

July 15, 2024 作成

I 著書

1. R. Saito, T. Ohno and H. Kamimura: Orbital susceptibility of graphite intercalation compounds, in “Graphite Intercalation Compounds”, eds. S. Tanuma and H. Kamimura, pp. 147-156, World Scientific Publishing Co., Singapore, (1985).
2. H. Kamimura, S. Matsuno, and R. Saito: Spin-polaron pairing mechanism in the high T_c copper oxides, in “Mechanisms of High Temperature Superconductivity”, eds. H. Kamimura and A. Oshiyama, Springer Series in Material Science 11, pp. 8-19, Springer-Verlag, Heidelberg, (1989).
3. M. S. Dresselhaus, G. Dresselhaus, R. Saito, and P. C. Eklund: C_{60} -related balls and Fibers, in “Elementary Excitations in Solids”, eds. J. L. Birman and C. Sébenne and R. F. Wallis, pp. 387-417, Elsevier Science Publishers, B.V., (1992).
4. M. S. Dresselhaus, G. Dresselhaus, and R. Saito: Superconducting properties of fullerenes, in “Physical Properties of High Temperature Superconductors IV”, ed. D. M. Ginsberg, pp. 471-564, World Scientific Publishing Co., Singapore, (1994).
5. 齋藤 理一郎: 「量子物理学」, 電子工学初歩シリーズ (山下 栄吉、安永 均編)、No.7, 単著 (172 頁), 培風館, (1995).
6. M. S. Dresselhaus, G. Dresselhaus, P. C. Eklund, R. Saito, and M. Endo: Introduction to carbon materials, in “Carbon Nanotubes”, ed. T. Ebbesen, Chapter I, pp. 1-33, CRC Press, Inc., Florida, USA, (1996).
7. M. Endo, R. Saito, M. S. Dresselhaus, and G. Dresselhaus: From carbon fibers to nanotube, in “Carbon Nanotubes”, ed. T. Ebbesen, Chapter II, pp. 35-110, CRC Press, Inc., Florida, USA, (1996).
8. M. S. Dresselhaus, R. Saito: Nanostructure in “The 1998 McGraw-Hill Yearbook of Science & Technology”, ed. S. P. Parker, pp. 263-265, McGraw-Hill Book. Co., (1997).
9. R. Saito, M. S. Dresselhaus, and G. Dresselhaus: “Physical Properties of Carbon Nanotubes”, pp. 1-258, Imperial College Press, UK, (1998).
10. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Phonon Structure and Raman Effect of Single-Wall Carbon Nanotubes in “Science and Technology of Carbon Nanotube”, eds. K. Tanaka, T. Yamabe, and K. Fukui, Chapter 6, pp. 51-62, Elsevier Science Ltd, Oxford, UK, (1999).
11. M. S. Dresselhaus, G. Dresselhaus, P. C. Eklund and R. Saito: Electrons and Phonons in Fullerenes and Carbon Nanotubes in “Optical and Electronic Properties of Fullerenes and Fullerene-Based Materials”, eds. J. Shinar, Z. V. Vardeny and Z. H. Kafafi, chapter 8, pp. 217-260, Marcel Dekker, Inc, New York, (2000).
12. G. Dresselhaus, M. A. Pimenta, R. Saito, J.-C. Charlier, S. D. M. Brown, P. Corio, A. Marucci, and M. S. Dresselhaus: On the $\pi - \pi$ overlap energy in carbon nanotubes in “Science and Applications of Nanotubes”, eds. D. Tománek and R. J. Enbody, pp. 275-295, Kluwer Academic, New York, (2000).
13. M. S. Dresselhaus, G. Dresselhaus, and R. Saito: “Electronic Band Structure of Graphites” in “Graphite and Precursors”, ed. Pierre Delhaès, Vol. 1, pp.25-43, Gordon and Breach, Paris, France, (2000).
14. R. Saito and H. Kataura: Optical Properties and Raman Spectroscopy of Carbon Nanotubes in “Carbon Nanotubes”, Springer Series in Materials Science, eds. M. S. Dresselhaus and G. Dresselhaus and Ph. Avouris, pp. 213-246, Springer-Verlag, Berlin, (2001).
15. 齋藤 理一郎: カーボンナノチューブ – 期待される材料開発 – , 齋藤 理一郎 編集, pp. 2-15, シーエムシー出版, (2001).
16. R. Saito: Hybrid Orbital Control in Carbon Alloys in “Carbon Alloys”, eds. E. Yasuda, M. Inagaki, K. Kaneko, M. Endo, A. Oya, Y. Tanabe, pp. 15-40, Elsevier Science, Oxford, (2003).
17. 齋藤 理一郎: カーボンナノチューブの基礎と応用, 齋藤 理一郎, 篠原 久典 編集, pp. 2-22, 培風館, (2004).

18. R. Saito, M. S. Dresselhaus, G. Dresselhaus, A. Jorio, A. G. Souza Filho, M. A. Pimenta: Carbon Nanotubes: Optical Properties, Encyclopedia of Nanoscience and Nanotechnology, Eds. J. A. Schwarz, C. L. Contescu, K. Putyera, pp.575-586, Marcel Dekker, New York, (2004).
19. 齋藤 理一郎: カーボンナノチューブ -立体構造と物性-, ナノマテリアルハンドブック, pp.532-537, (株) エヌ・ティー・エス, (2005).
20. 齋藤 理一郎: ナノチューブ, 物理学大事典 21.2.2 章, pp.789-795, 朝倉書店, (2005).
21. 齋藤 理一郎: CNT の分光学 (5.3 章), ナノカーボンハンドブック, pp.825-831, (株) エヌ・ティー・エス, (2007).
22. M. S. Dresselhaus, G. Dresselhaus, A. Jorio, R. Saito: Raman Spectroscopy of Carbon Nanotubes, Vol. Eds. S. Saito and A. Zettl, Series Eds. E. Burstein, M.L. Cohen, D.L. Mills and P.J. Stiles, Contemporary Concepts of Condensed Matter Science, Vol. 3, Carbon Nanotubes: Quantum Cylinders of Graphene, pp83-108, Elsevier, Netherlands, (2008).
23. R. Saito, C. Fantini, J. Jiang: Excitonic States and Resonance Raman Spectroscopy of Single-Wall Carbon Nanotubes, Carbon Nanotubes, Topics Appl. Phys. 111, Eds. A. Jorio, G. Dresselhaus, M. S. Dresselhaus, 251-286, Springer Verlag Berlin Heidelberg, (2008).
24. 齋藤 理一郎: 基礎固体物性, 現代物理学『基礎シリーズ』No. 6, 174 pages, 朝倉書店, (2009).
25. R. Saito, A. Jorio, J. Jiang, K. Sasaki, G. Dresselhaus, M. S. Dresselhaus: Optical Properties of Carbon Nanotubes and Nano-graphene, Oxford handbook of Nanoscience and Technology, Volume II: Materials, Eds. A. Narlikar, Y. Y. Fu, pp. 1-30, Oxford University Press, UK, (2010).
26. M. S. Dresselhaus, A. Jorio, R. Saito: Electrons and phonons in monolayer and few layer graphene, Giuseppe Franco Bassani: Uomo e Scienziato / Man and Scientist, Eds. G. Grosso and G. La Rocca, pp. 281-292, Societa Italiana di Fisica, Bologna, Italy, (2010).
27. A. Jorio, R. Saito, G. Dresselhaus, M. S. Dresselhaus: “Raman spectroscopy of graphene related systems”, pp. 1-354, Wiley-VCH, Weinheim Germany, (2011).
28. R. Saito: Raman spectroscopy of graphene edges, in ”Graphene and its fascinating attributes, Eds. S. K. Pati, T. Enoki, C. N. R. Rao, pp 91-103, World Scientific, Singapore, (2011).
29. M. Endo, Y. A. Kim, T. Hayashi, H. Muramatsu, R. Saito, M. Terrones, M. S. Dresselhaus: Double-walled carbon nanotubes: Synthesis, Characterization and Applications, Encyclopedia of Nanoscience and Nanotechnology, Ed. H. S. Nalwa, Vol. 13, pp. 113-158, American Scientific Publishers, Valencia, CA, USA, (2011).
30. 齋藤 理一郎: CNT の光吸収と発光, カーボンナノチューブ・グラフェンハンドブック, 齋藤弥八他編, pp 167-172, コロナ社, (2011).
31. 齋藤 理一郎: 13.6.2 カイラルインデックス (n,m) と電子状態, 炭素学, 田中一義, 東原秀和, 篠原久典編, pp.358-365, 化学同人, (2011).
32. M.S. Dresselhaus, A. Jorio, L. G. Cançado, R. Saito: Raman spectroscopy: Characterization of edges, defects and the Fermi energy of Graphene and sp^2 carbons, Graphene Nanoelectronics: Springer, Ed. Hassan Raza, pp 15-55, Springer Verlag, Germany, (2012).
33. 齋藤 理一郎: グラフェンの光電子物性, グラフェンの最先端技術と広がる応用, pp. 37-46, フロンティア出版, (2012).
34. 齋藤 理一郎: 1.1 ナノカーボン技術の現状と動向, 2.1 カーボンナノチューブの基礎、2.2 カーボンナノチューブの製造技術、2.3 カーボンナノチューブの応用, 2013 ナノカーボン技術大全, pp. 10-13, and pp. 20-31, 電子ジャーナル, (2012).
35. R. Saito, G. Dresselhaus, M. S. Dresselhaus, A. Jorio, A. G. Souza Filho, M. A. Pimenta: Carbon Nanotubes: Optical properties, Dekker Encyclopedia of Nanoscience and Nanotechnology, Third Edition, pp.715-729, Eds. J. A. Schwarz, C. L. Contescu, K. Putyera, CRC Press, New York, (2014).
36. 齋藤 理一郎: フラーレン・ナノチューブ・グラフェンの科学ーナノカーボンの世界ー, 基礎法則から読み解く物理学最前線 No. 5, pp. 1-163, (須藤彰三、岡真監修), 共立出版, (2015).
37. 齋藤 理一郎: 苗の育て方、育ち方、先生、物理っておもしろいんですか? (パリティ編集委員会編), pp. 179-182, 丸善出版, (2015).

38. R. Saito, A. R. T. Nugraha, E. H. Hasdeo, N. T. Hung, W. Izumida: Electronic and optical properties of single wall carbon nanotubes, *Single-Walled Carbon Nanotubes: Preparation, Property and Application*, Ed. Y. Li and S. Maruyama, Springer, Beijing, *Topic in Current Chemistry*, **375**, 1-24 (2017).
39. 齋藤 理一郎: グラフェンの基礎, 二次元物質の科学 グラフェンなどの分子シートが生み出す新世界 (日本化学会編), pp. 14-24, 化学同人, (2017).
40. R. Saito, Y. Tatsumi, T. Yang, H. Guo, L. Zhou, M.S. Dresselhaus: Double resonance Raman spectroscopy of two dimensional materials, *Raman Spectroscopy of Two-Dimensional Materials*, Springer Series in Materials Science, Springer Beijing, Ed. P. H. Tan, **276**, 131-162 (2019).
41. R. Saito: Resonance Raman spectroscopy of graphene and carbon nanotubes, *Optical Properties of Carbon Nanotubes*, A Volume dedicated to the memory of Professor Mildred S. Dresselhaus, *Handbook of Carbon Nanomaterials*, World Scientific, Singapore, Eds. R. B. Weisman and J. Kono **10**, 113-142 (2019).
42. 齋藤 理一郎: ラマン分光法による二次元材料の構造・電子状態解析, グラフェンから広がる二次元物質の新技术と応用 (監修 吾郷浩樹、齋藤 理一郎), pp. 305-313, エヌ・ティー・エス, (2020).
43. 齋藤 理一郎: 低次元ナノ材料の熱電変換における閉じ込め効果, マイクロ・ナノ熱工学の進展 (監修 丸山茂夫), pp. 432-436, エヌ・ティー・エス, (2021).
4. R. Saito and H. Kamimura: Vibronic states of bond alternation defect in polyacetylene and ESR spectrum, *Synthetic Metals* **17**, 81-86 (1987).
5. R. Saito, M. Tsukada, K. Kobayashi, and H. Kamimura: Nuclear magnetic resonance in higher stage graphite intercalation compounds, *Phys. Rev. B* **35**, 2963-2971 (1987).
6. K. Shiraiishi, A. Oshiyama, N. Shima, T. Nakayama, R. Saito and H. Kamimura: LSD calculation of electronic structure of high Tc superconductor: La-Sr-Cu-O systems, *Jpn. J. Appl. Phys.* **26 Supplement 26-3**, 983-984 (1987).
7. R. Saito and K. Murayama: A universal distribution function of relaxation in amorphous materials, *Solid State Commun.* **63**, 625-627 (1987).
8. R. Saito, K. Kobayashi, M. Tsukada and H. Kamimura: Theory of nuclear magnetic resonance in graphite and graphite intercalation compounds, *Synthetic Metals* **23**, 265-270 (1988).
9. R. Saito, N. Shima and H. Kamimura: Positron annihilation in graphite and graphite intercalation compounds, *Synthetic Metals* **23**, 217-222 (1988).
10. H. Kamimura, S. Matsuno, and R. Saito: Spin-polaron pairing and high-temperature superconductivity, *Solid State Commun.* **67**, 363-367 (1988).
11. C. Fretigny, R. Saito, and H. Kamimura: Electronic structures of unoccupied bands in graphite, *J. Phys. Soc. Japan* **58**, 2098-2108 (1989).
12. M. Eto, R. Saito, and H. Kamimura: Cluster simulation of correlation effect in hole-doped high-temperature superconductors, *Solid State Commun* **71**, 425-429 (1989).

II 学術雑誌 (査読を受けたもの)

1. R. Saito, and H. Kamimura: Vibronic states of polyacetylene, $(\text{CH})_x$, *J. Phys. Soc. Japan* **52**, 407-416 (1983).
2. R. Saito and H. Kamimura: Orbital susceptibility of higher stage GICs, *Synthetic Metals* **12**, 295-300 (1985).
3. R. Saito and H. Kamimura: Orbital susceptibility of higher stage graphite intercalation compounds, *Phys. Rev. B* **33**, 7218-7227 (1986).
13. R. Saito: Possible permutation symmetry in two dimensional Heisenberg model, *Solid State Commun.* **72**, 517-521 (1989).
14. R. Saito: A proof of the completeness of the non crossed diagrams in spin 1/2 Heisenberg model, *J. Phys. Soc. Japan.* **59**, 482-491 (1990).
15. M. Eto, R. Saito, H. Kamimura: Electronic structures of Nd_2CuO_4 and its electron-doped cluster systems, *Material Science and Engineering B* **6**, L1-L4 (1990).

16. T. Ishino, R. Saito, H. Kamimura: Symmetry studies of antiferromagnetic Heisenberg model, *J. Phys. Soc. Japan* **59**, 3886-3897 (1990).
17. H. Isshiki, R. Saito, T. Kimura and T. Ikoma: Characteristics of the electroluminescence and photoluminescence emissions of erbium ions doped in InP and energy transfer mechanism, *J. Appl. Phys.* **70**, 6993-6998 (1991).
18. R. Saito, and K. Kusakabe: A complete set of spin 1/2 functions by Young's diagrams, *J. Phys. Soc. Japan* **60**, 2388-2393 (1991).
19. R. Saito, H. Kamimura and K. Nagamine: Theory of positive muon spin rotation in La_2CuO_4 , *Physica C* **185-189**, 1217-1218 (1991).
20. R. Saito, and T. Kimura: Cluster calculation of rare-earth ions in semiconductors, *Phys. Rev. B* **46**, 1423-1428 (1992).
21. M. S. Dresselhaus, G. Dresselhaus, and R. Saito: Carbon fibers based on C_{60} and their symmetry, *Phys. Rev. B* **45**, 6234-6242 (1992).
22. R. Saito, M. Fujita, G. Dresselhaus, and M. S. Dresselhaus: Electronic structures of carbon fibers based on C_{60} , *Phys. Rev. B* **46**, 1804-1811 (1992).
23. R. Saito, M. Fujita, G. Dresselhaus, and M. S. Dresselhaus: Electronic structure of chiral graphene tubules, *Appl. Phys. Lett.* **60**, 2204-2206 (1992).
24. M. Fujita, R. Saito, G. Dresselhaus and M. S. Dresselhaus: Formation of general Fullerenes by their projection on a honeycomb lattice, *Phys. Rev. B* **45**, 13834-13836 (1992).
25. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Topological defects in large fullerenes, *Chem. Phys. Lett.* **195**, 537-542 (1992).
26. M. S. Dresselhaus, G. Dresselhaus, and R. Saito: C_{60} -related tubules, *Solid State Commun.* **84**, 201-204 (1992).
27. R. Saito, G. Dresselhaus and M. S. Dresselhaus: Ground states of large icosahedral fullerenes, *Phys. Rev. B* **46**, 9906-9909 (1992).
28. R. Saito, G. Dresselhaus and M. S. Dresselhaus: Electronic structure of double-layered graphene tubules, *J. Appl. Phys.* **73**, 494-500 (1993).
29. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Multiplet structures of C_{60} ions, *Chem. Phys. Lett.* **210**, 159-164 (1993).
30. S. Itoh, R. Saito, T. Kimura, and S. Yabushita: Ab initio calculations of the multiplets terms of Tm^{3+} , *J. Phys. Soc. Jpn.* **62**, 2924-2933 (1993).
31. R. Saito, M. Fujita, G. Dresselhaus, and M. S. Dresselhaus: Electronic structure and growth mechanism of carbon tubules, *Material Science and Engineering B* **19**, 185-191 (1993).
32. M.S. Dresselhaus, G. Dresselhaus and R. Saito: Group theoretical concept for C_{60} and other fullerenes, *Material Science and Engineering B* **19**, 122-128 (1993).
33. S. Yamamura, T. Kimura, S. Yugo, R. Saito, M. Murata, T. Kamiya: Electrical and optical characterization of defect levels caused in InGaAs by boron ion implantation, *Nuclear Instrument and Methods in Physics Research B* **80/81**, 632-635 (1993).
34. S. Itoh, R. Saito, T. Kimura, and S. Yabushita: Relativistic effect on multiplet terms of rare earth ions, *J. Phys. Soc. Jpn.* **63**, 807-813 (1994).
35. S. Yamamura, R. Saito, S. Yugo, T. Kimura: Defect-enhanced interdiffusion at the InGaAs/InAlAs interface due to Si ion implantation, *J. Appl. Phys.* **75**, 2410-2414 (1994).
36. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Thermodynamic model of ordering transition in solid C_{60} , *Phys. Rev B* **49**, 2143-2147 (1994).
37. M. S. Dresselhaus, R. A. Jishi, G. Dresselhaus, D. Inomata, K. Nakao and R. Saito: Group theoretical concepts for carbon nanotubes, *Molecular Materials*, 27-40 (1994).
38. P. C. Eklund M. S. Dresselhaus, G. Dresselhaus, and R. Saito: Application of molecular concepts to the vibrational spectroscopy of solid C_{60} , *Molecular Materials*, 177-183 (1994).
39. T. Kimura, H. Isshiki, H. Ishida, S. Yugo, R. Saito, and T. Ikoma: Time-resolved study on the impact excitation and quenching processes of the $1.54\mu\text{m}$ electroluminescence emission of Er ions in InP, *J. Appl. Phys.* **76**, 3714-3719 (1994).

40. T. Kimura, A. Yokoi, H. Horiguchi, R. Saito, T. Ikoma and A. Sato: Electrochemical Er doping of porous silicon and its room-temperature luminescence at $\sim 1.54\mu\text{m}$, Appl. Phys. Lett. **65**, 983-985 (1994).
41. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Hindered rotation of solid $^{12}\text{C}_{60}$ and $^{13}\text{C}_{60}$, Phys. Rev B **50**, 5680-5688 (1994).
42. Y. Shinohara, R. Saito, T. Kimura, G. Dresselhaus, and M. S. Dresselhaus: Infrared-active modes of C_{70} , Chem. Phys. Lett. **227**, 365-370 (1994).
43. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Magnetic energy bands of carbon nanotubes, Phys. Rev B **50**, 14698-14701 [Erratum B 53 10408 (1996)] (1994).
44. M. S. Dresselhaus, G. Dresselhaus, and R. Saito: Physics of Carbon nanotubes, Carbon **33**, 883-891 (1995).
45. T. Kimura, A. Yokoi, Y. Nishida, R. Saito, S. Yugo and T. Ikoma: Photoluminescence of ytterbium doped porous silicon, Appl. Phys. Lett. **67**, 2687-2689 (1995).
46. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Tunneling conductance of connected carbon nanotubes, Phys. Rev B **53**, 2044-2050 (1996).
47. S. Ito, N. Nameda and R. Saito: Multiplet Structure calculation for Rare Earth Ions, J. Light and Visual Environment **20**, 15-19 (1996).
48. M. Nakadaira, R. Saito, T. Kimura, G. Dresselhaus, and M. S. Dresselhaus: Excess Li Ions in a Small Graphite Cluster, J. Mater. Res. **12**, 1367-1375 (1997).
49. T. Kimura, M. Saito, S. Tachi, R. Saito, M. Murata, and T. Kamiya: Mechanism for Implantation Induced Interdiffusion at $\text{In}_{0.53}\text{Ga}_{0.47}\text{As}/\text{In}_{0.52}\text{Al}_{0.48}\text{As}$ Heterointerfaces, Mat. Sci. Eng., B **44**, 28-32 (1997).
50. R. Saito, T. Takeya, T. Kimura, G. Dresselhaus, M. S. Dresselhaus: Raman Intensity of Single-Wall Carbon Nanotubes, Phys. Rev. B **57**, 4145-4153 (1998).
51. M. S. Dresselhaus, G. Dresselhaus, P. C. Eklund, and R. Saito: Carbon Nanotubes, Physics World **11**, 33-38 (1998).
52. T. Kimura, Y. Nishida, A. Yokoi, and R. Saito: Enhanced Yb^{3+} -related $0.98\mu\text{m}$ emission in porous silicon and its time decay characteristics, J. Appl. Phys. **83**, 1005-1008 (1998).
53. T. Ando, T. Nakanishi, and R. Saito: Berry's Phase and Absence of Back Scattering in Carbon Nanotubes, J. Phys. Soc. Japan **67**, 2857-2862 (1998).
54. T. Dejima, R. Saito, S. Yugo, H. Isshiki, and T. Kimura: Effects of hydrogen plasma treatment on the $1.54\mu\text{m}$ luminescence of erbium-doped porous silicon, J. Appl. Phys. **84**, 1036-1040 (1998).
55. R. Saito, T. Takeya, T. Kimura, G. Dresselhaus and M. S. Dresselhaus: Finite Size Effect on the Raman Spectra of Carbon Nanotubes, Phys. Rev. B **59**, 2388-2392 (1999).
56. S. Roche and R. Saito: Effects of magnetic field and disorder on electronic properties of carbon nanotubes, Phys. Rev. B **59**, 5242-5246 (1999).
57. T. Kimura, T. Nakanose, W. Wang, H. Isshiki, and R. Saito: Energy transfer efficiency of the $1.54\mu\text{m}$ luminescence of Er-implanted silicon in relation to post-implantation annealing and impurity coimplantation, Nuclear Instrument and Methods in Physics Research B **148**, 486-491 (1999).
58. R. Saito, M. Yagi, T. Kimura, G. Dresselhaus and M. S. Dresselhaus: Electronic Structure of Fluorine Doped Graphite Nanoclusters, J. Phys. Chem. Solid **60**, 715-721 (1999).
59. T. Ando, T. Nakanishi, and R. Saito: Conductance Quantization in Carbon Nanotubes: Neutrons on Cylinder Surface, Microelectronic Engineering **47**, 421-423 (1999).
60. M. Yagi, R. Saito, T. Kimura, G. Dresselhaus and M. S. Dresselhaus: Electronic States in Heavily Li-doped Graphite Nanoclusters, J. Mater. Res. **14**, 3799-3804 (1999).
61. T. Nakanose, T. Kimura, H. Isshiki, S. Yugo and R. Saito: Auger de-excitation of the $1.54\mu\text{m}$ emission of Er- and O- implanted silicon, Nuclear Instrument and Methods in Physics Research B **161-163**, 1080-1084 (1999).

62. R. Saito, G. Dresselhaus and M. S. Dresselhaus: Trigonal warping effect of carbon nanotubes, Phys. Rev. B **61**, 2981-2990 (2000).
63. A. M. Rao, A. Jorio, M. A. Pimenta, M. S. S. Dantas, R. Saito, G. Dresselhaus and M. S. Dresselhaus: Polarized Raman Study of Aligned Multiwalled Carbon Nanotubes, Phys. Rev. Lett. **84**, 1820-1823 (2000).
64. R. Saito, M. Yagi, T. Kimura, G. Dresselhaus and M. S. Dresselhaus: Chemical Reaction of Intercalated Atoms at the Edge of Nano-Graphene Cluster, Mol. Cryst. Liq. Cryst. **340**, 71-76 (2000).
65. W. Wang, H. Isshiki, S. Yugo, R. Saito, and T. Kimura: Site of the Er^{3+} optical centers of the $1.54\mu\text{m}$ room-temperature emission in Er-doped porous silicon and the excitation mechanism, Journal of Luminescence **87-89**, 319-322 (2000).
66. A. Jorio, G. Dresselhaus, M. S. Dresselhaus, M. Souza, M. S. S. Dantas, M. A. Pimenta, A. M. Rao, R. Saito, C. Liu and H. M. Cheng: Polarized Raman study of Single-Wall Semiconducting Carbon Nanotubes, Phys. Rev. Lett. **85**, 2617-2620 (2000).
67. S. Roche, G. Dresselhaus, M. S. Dresselhaus, and R. Saito: Aharonov-Bohm spectral features and coherence lengths in carbon nanotubes, Phys. Rev. B **62**, 16092-16099 (2000).
68. K. Kneipp, A. Jorio, H. Kneipp, S. D. M. Brown, K. Shafer, J. Motz, R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Polarization effects in surface-enhanced Raman scattering of single-wall carbon nanotubes on colloidal silver clusters, Phys. Rev. B **63**, 081401-1-4 (2001).
69. A. Jorio, R. Saito, J. Hafner, C. M. Lieber, G. Dresselhaus, and M. S. Dresselhaus: Structural (n, m) determination of isolated single wall carbon nanotubes by resonant Raman scattering, Phys. Rev. Lett. **86**, 1118-1121 (2001).
70. S. D. M. Brown, A. Jorio, P. Corio, M. S. Dresselhaus, G. Dresselhaus, R. Saito, K. Kneipp: Origin of the Breit-Wigner-Fano lineshape of the tangential G-band feature of metallic carbon nanotubes, Phys. Rev. B **63**, 155414-1-8 (2001).
71. M. A. Pimenta, A. Jorio, S. D. M. Brown, A. G. Souza Filho, G. Dresselhaus, J. H. Hafner, C. M. Lieber, R. Saito, and M. S. Dresselhaus: Diameter dependence of the Raman D-band in isolated single-wall carbon nanotubes, Phys. Rev. B **63**, 041401-1-4 (2001).
72. A. G. Souza Filho, A. Jorio, J. H. Hafner, C. M. Lieber, R. Saito, M. A. Pimenta, G. Dresselhaus and M. S. Dresselhaus: Electronic Transition Energy E_{ii} for an Isolated (n, m) Single-Wall Carbon Nanotube Obtained by anti-Stokes/Stokes Resonant Raman Intensity Ratio, Phys. Rev. B **63**, 241404-1-4 (2001).
73. A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, R. Saito, J. H. Hafner, C. M. Lieber, F. M. Matinaga, M. S. S. Dantas, and M. A. Pimenta: Joint density of electronic states for one isolated single wall carbon nanotube studied by resonant Raman scattering, Phys. Rev. B **63**, 245416-1-4 (2001).
74. T. Kimura, H. Toda, T. Ishida, H. Isshiki, and R. Saito: Study of the radiative and nonradiative processes of rare earth implanted semiconductors at low temperatures, Nucl. Instr. and Meth. in Phys. Res. B **175-177**, 286-291 (2001).
75. R. Saito, A. Jorio, J. Hafner, C. M. Lieber, M. Hunter, T. McClure, G. Dresselhaus, and M. S. Dresselhaus: Chirality Dependent G-band Raman Intensity of Carbon Nanotubes, Phys. Rev. B **64**, 085312-1-7 (2001).
76. Z. M. Li, Z. K. Tang, H. J. Liu, N. Wang, C. T. Chan, R. Saito, S. Okada, G. D. Li, J. S. Chen, N. Nagasawa, and S. Tsuda: Polarized Absorption Spectra of Single-Walled 4\AA Carbon Nanotubes aligned in Channels of $\text{AlPO}_4\text{-5}$ Single Crystal, Phys. Rev. Lett. **87**, 127401-1-4 (2001).
77. R. Saito, J. Sano, N. Ishigaki, T. Kimura and S. Yugo: Theoretical analysis of the diffusive ion in biased plasma enhanced diamond chemical vapor deposition, J. Appl. Phys. **90**, 2559-2564 (2001).
78. R. Saito, R. Matsuo, T. Kimura, G. Dresselhaus, and M. S. Dresselhaus: Anomalous Potential Barrier of Double-Wall Carbon Nanotube, Chem. Phys. Lett. **348**, 187-193 (2001).
79. S. Roche and R. Saito: Magnetoresistance of carbon nanotubes: from molecular to mesoscopic fingerprints, Phys. Rev. Lett. **87**, 246803-1-4 (2001).

80. A. G. Souza Filho, A. Jorio, G. Dresselhaus, M. S. Dresselhaus, R. Saito, A. K. Swan, M. S. Ünlü, B. B. Goldberg, J. H. Hafner, C. M. Lieber, and M. A. Pimenta: Effect of quantized electronic states on the dispersive Raman features in individual single wall carbon nanotubes, *Phys. Rev. B* **65**, 035404-1-6 (2001).
81. R. Saito, A. Jorio, A. G. Souza-Filho, G. Dresselhaus, M. S. Dresselhaus and M. A. Pimenta: Probing phonon dispersion relations of graphite by double resonance Raman scattering, *Phys. Rev. Lett* **88**, 027401-1-4 (2002).
82. A. G. Souza Filho, A. Jorio, G. Dresselhaus, M. S. Dresselhaus, A. K. Swan, B. Goldberg, R. Saito, J. H. Hafner, C. M. Lieber, and M. A. Pimenta: Anomalous two-peak G' -band Raman in individual isolated single-wall carbon nanotubes, *Phys. Rev. B* **65**, 085417-1-7 (2002).
83. A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, A. Righi, F. M. Matinaga, M. S. S. Dantas, M. A. Pimenta, Z. M. Li, Z. K. Tang and R. Saito: Raman studies on 0.4 nm diameter single wall carbon nanotubes, *Chem. Phys. Lett.* **351**, 27-34 (2001).
84. A. G. Souza Filho, A. Jorio, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, A. K. Swan, B. B. Goldberg, M. S. Ünlü, R. Saito, J. H. Hafner, C. M. Lieber and M. A. Pimenta: Probing the electronic trigonal warping effect in individual single-wall carbon nanotubes using phonon spectra, *Chem. Phys. Lett.* **354**, 62-68 (2002).
85. A. Jorio, A. G. Souza-Filho, G. Dresselhaus, and M. S. Dresselhaus, A. K. Swan, M. S. Ünlü, B. Goldberg, M. A. Pimenta, J. H. Hafner, C. M. Lieber, R. Saito: G-band resonant Raman study of 62 isolated single-wall carbon nanotubes, *Phys. Rev. B* **65**, 155412-1-9 (2002).
86. A. Jorio, A. G. Souza-Filho, V. W. Brar, A. K. Swan, M. S. Ünlü, B. Goldberg, A. Righi, J. H. Hafner, R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Polarized resonant Raman study of isolated single-wall carbon nanotubes: Symmetry selection rules, dipolar and multipolar antenna effects, *Phys. Rev. B* **65**, 121402(R)-1-4 (2002).
87. A. Grüneis, R. Saito, T. Kimura, L. G. Cançado, M. A. Pimenta, A. Jorio, A. G. Souza Filho, G. Dresselhaus and M. S. Dresselhaus: Determination of two dimensional phonon dispersion relation of graphite by Raman spectroscopy, *Phys. Rev. B* **65**, 155405-1-7 (2002).
88. R. Saito, A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, A. Grüneis^a, L. G. Cançado, M. A. Pimenta: First and second-order resonance Raman process in graphite and single wall carbon nanotubes, *Jpn. J. Appl. Phys.* **41**, 4878-4882 (2002).
89. L. G. Cançado, M. A. Pimenta, R. Saito, A. Grüneis, A. A. Jorio, A. G. Souza Filho, G. Dresselhaus and M. S. Dresselhaus: Stokes and anti-Stokes double resonance Raman scattering in two-dimensional graphite, *Phys. Rev. B* **66**, 035415-1-5 (2002).
90. M. S. Dresselhaus, G. Dresselhaus, A. Jorio, A. G. Souza Filho, and R. Saito: Raman spectroscopy on isolated single wall carbon nanotubes, *Carbon* **40**, 2043-2061 (2002).
91. M. S. Dresselhaus, A. Jorio, A. G. Souza Filho, G. Dresselhaus, and R. Saito: Raman spectroscopy on one isolated carbon nanotube, *Physica B* **323**, 15-20 (2002).
92. R. Saito, A. Jorio, A. G. Souza Filho, A. Grüneis, M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus: Dispersive Raman spectra observed in graphite and single wall carbon nanotubes, *Physica B* **323**, 100-106 (2002).
93. X. Zhao, Y. Ando, L.-C. Qin, H. Kataura, Y. Maniwa, and R. Saito: Characteristic Raman spectra of multiwalled carbon nanotubes, *Physica B* **323**, 265-266 (2002).
94. A. Jorio, C. Fantini, M. S. S. Dantas, M. A. Pimenta, A. G. Souza Filho, Ge. G. Samsonidze, V. W. Brar, G. Dresselhaus, M. S. Dresselhaus, A. K. Swan, M. S. Ünlü, B. B. Goldberg, and R. Saito: Linewidth of the Raman features of individual single-wall carbon nanotubes, *Phys. Rev. B* **66**, 115411-1-8 (2002).
95. X. Zhao, Y. Ando, L.-C. Qin, H. Kataura, Y. Maniwa, R. Saito: Radial breathing modes of multiwalled carbon nanotubes, *Chem. Phys. Lett.* **361**, 169-174 (2002).

96. X. Zhao, Y. Ando, L-C. Qin, H. Kataura, Y. Maniwa, R. Saito: Multiple splitting of G-band modes from individual multiwalled carbon nanotubes, *Appl. Phys. Lett.* **81**, 2550-2552 (2002).
97. V. W. Brar, Ge. G. Samsonidze, M. S. Dresselhaus, G. Dresselhaus, R. Saito, A. K. Swan, M. S. Ünlü, B. B. Goldberg, A. G. Souza Filho, A. Jorio: Second-order harmonic and combination modes in graphite, single wall carbon nanotube bundles, and isolated single wall carbon nanotubes, *Phys. Rev. B* **66**, 155418-1-10 (2002).
98. M. S. Dresselhaus, A. Jorio, A.G. Souza Filho, G. Dresselhaus, R. Saito and M. A. Pimenta: Raman spectroscopy of nanoscale carbons and of an isolated carbon nanotube,, *Mol. Cryst. Liq. Cryst.* **387**, 21-29 (2002).
99. R. Saito, A. Grueneis, L. G. Cancado, M. A. Pimenta, A. Jorio, A. G. Souza Filho, G. Dresselhaus and M. S. Dresselhaus: Double resonance Raman spectra in disordered graphite and single wall carbon nanotubes, *Mol. Cryst. Liq. Cryst.* **387**, 63-72 (2002).
100. M. S. Dresselhaus, G. Dresselhaus, A. Jorio, A. G. Souza Filho and R. Saito: Single Nanotube Raman Spectroscopy, *Accounts of Chemical Research* **35**, 1070-1078 (2002).
101. A. Jorio, F. M. Matinaga, A. Righi, M. S. S. Dantas, M. A. Pimenta, A. G. Souza Filho, J. Mendes Filho, J. H. Hafner, C. M. Lieber, R. Saito, G. Dresselhaus and M. S. Dresselhaus: Resonance Raman scattering: non-destructive and non-invasive technique for structural and electronic characterization of isolated single wall carbon nanotubes, *Brazilian J. Phys.* **32**, 921-924 (2002).
102. M. S. Dresselhaus, Y.-M. Lin, O. Rabin, A. Jorio, A. G. Souza Filho, M. A. Pimenta, R. Saito, Ge. G. Samsonidze and G. Dresselhaus: Nanowires and Nanotubes, *Mater. Sci. Eng. C* **23**, 129-140 (2003).
103. A. G. Souza Filho, A. Jorio, Ge. G. Samsonidze, G. Dresselhaus, M. A. Pimenta, M. S. Dresselhaus, A. K. Swan, M. S. Ünlü, B. B. Goldberg, R. Saito: Competing spring constant versus double resonance effects on the properties of dispersive modes in isolated single-wall nanotubes, *Phys. Rev. B* **67**, 035427-1-7 (2003).
104. J. T. Ye, Z. M. Li, Z. K. Tang and R. Saito: Raman spectra of lithium doped single-walled 0.4nm carbon nanotubes, *Phys. Rev. B* **67**, 113404 (2003).
105. Ge. G. Samsonidze, R. Saito, A. Jorio, A. G. Souza Filho, A. Grueneis, M. A. Pimenta, G. Dresselhaus, M. S. Dresselhaus: Phonon trigonal warping effect in graphite and carbon nanotubes, *Phys. Rev. Lett* **90**, 027403-1-4 (2003).
106. T. Kimura, H. Isshiki, S. Ide, T. Shimizu, T. Ishida, R. Saito: Suppression of Auger deexcitation and temperature quenching of the Er-related 1.54 μm emission with an ultrathin oxide interlayer in an Er/SiO₂/Si structure, *J. Appl. Phys.* **93**, 2595-2601 (2003).
107. A. Jorio, M. A. Pimenta, A. G. Souza Filho, Ge. G. Samsonidze, A. K. Swan, M. S. Ünlü, B. B. Goldberg, R. Saito, G. Dresselhaus, M. S. Dresselhaus: Resonance Raman Spectra of Carbon Nanotubes by Cross-Polarized Light, *Phys. Rev. Lett* **90**, 107403-1-4 (2003).
108. A. Grueneis, R. Saito, Ge. G. Samsonidze, T. Kimura, M. A. Pimenta, A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus: Inhomogeneous optical absorption around the K point in graphite and carbon nanotubes, *Phys. Rev. B* **67**, 165402-1-7 (2003).
109. M. S. Dresselhaus, G. Dresselhaus, A. M. Rao, A. Jorio, A. G. Souza Filho, Ge. G. Samsonidze, R. Saito: Resonance Raman scattering on one-dimensional systems, *Indian Journal of Physics* **77B**, 75-99 (2003).
110. T. Fukudome, A. Kaminaka, H. Isshiki, R. Saito, S. Yugo, T. Kimura: Optical characterization of Er-implanted ZnO films formed by sol-gel method, *Nucl. Instr. and Meth. in Phys. Res. B* **206**, 287-290 (2003).
111. M. S. Dresselhaus, G. Dresselhaus, A. Jorio, A. G. Souza Filho, Ge. G. Samsonidze, R. Saito: Science and Applications of Single Nanotube Raman Spectroscopy, *J. Nanoscience and Nanotechnology* **3**, 19-37 (2003).
112. A. G. Souza Filho, A. Jorio, Ge. G. Samsonidze, G. Dresselhaus, R. Saito, M. S. Dresselhaus: Raman spectroscopy for probing chemically/physically induced-phenomena in carbon nanotubes, *Nanotechnology* **14**, 1130-1139 (2003).

113. A. Jorio, M. A. Pimenta, A. G. Souza Filho, R. Saito, G. Dresselhaus, M. S. Dresselhaus: Characterizing carbon nanotube samples with resonance Raman scattering, *New J. Phys.* **5**, 139.1-17 (2003).
114. R. Saito, A. Grüeneis, Ge. G. Samsonidze, V. W. Brar, G. Dresselhaus, M. S. Dresselhaus, A. Jorio, L. G. Cançado, C. Fantini, M. A. Pimenta, A. G. Souza Filho: Double resonance Raman spectroscopy of single wall carbon nanotubes, *New J. Phys.* **5**, 157.1-157.15 (2003).
115. Ge. G. Samsonidze, R. Saito, A. Jorio, M. A. Pimenta, A. G. Souza Filho, and A. Grüeneis, G. Dresselhaus, M. S. Dresselhaus: The concept of cutting lines in carbon nanotube science, *J. Nanoscience Nanotechnology* **3**, 431-458 (2003).
116. K. Sasaki, Y. Kawazoe, R. Saito: Aharonov-Bohm effect in higher genus materials, *Phys. Lett. A* **321**, 369-375 (2004).
117. R. Saito, A. Grüeneis, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, A. Jorio, L. G. Cançado, M. A. Pimenta, A. G. Souza Filho: Optical absorption of graphite and single wall carbon nanotubes, *Appl. Phys. A* **78**, 1099-1105 (2004).
118. A. Grüeneis, R. Saito, J. Jiang, Ge. G. Samsonidze, M. A. Pimenta, A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus: Resonance Raman spectra of carbon nanotube bundles observed by perpendicular polarized light, *Chem. Phys. Lett.* **387**, 301-306 (2004).
119. A. Jorio, R. Saito, T. Hertel, R. B. Weisman, G. Dresselhaus, M. S. Dresselhaus: Carbon Nanotube Photophysics, *Bulletin of Materials Science* **29**, 276-280 (2004).
120. A. G. Souza Filho, S. G. Chou, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, L. An, J. Liu, A. K. Swan, M. S. Ünlü, B. B. Goldberg, A. Jorio, A. Grüeneis, R. Saito: Stokes and anti-Stokes Raman spectra of small diameter isolated carbon nanotubes, *Phys. Rev. B* **69**, 115428-1-8 (2004).
121. Ge. G. Samsonidze, A. Grüeneis, R. Saito, A. Jorio, M. A. Pimenta, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus: Interband optical transitions in left and right handed single wall carbon nanotubes, *Phys. Rev. B* **69**, 205402-1-11 (2004).
122. A. Jorio, M. A. Pimenta, C. Fantini, M. Souza, A. G. Souza Filho, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, R. Saito: Advances in single nanotube spectroscopy: Raman spectra from cross-polarized light and chirality dependence of Raman frequencies, *Carbon* **42**, 1067-1069 (2004).
123. K. Sasaki, Y. Kawazoe, R. Saito: Fractional flux periodicity in tori composed of square lattice, *Prog. Theor. Phys.* **111**, 763-780 (2004).
124. J. Jiang, R. Saito, A. Grüeneis, G. Dresselhaus, M. S. Dresselhaus: Electron-phonon interaction and relaxation time in graphite, *Chem. Phys. Lett.* **392**, 383-389 (2004).
125. L. G. Cançado, M. A. Pimenta, A. Jorio, R. A. Neves, G. Medeiros-Ribeiro, T. Enoki, Y. Kobayashi, K. Takai, K. Fukui, M. S. Dresselhaus, R. Saito: Anisotropy of the Raman spectra of nanographite ribbons, *Phys. Rev. Lett.* **93**, 047403-1-4 (2004).
126. C. Fantini, A. Jorio, M. Souza, L. O. Ladeira, M. A. Pimenta, A. G. Souza Filho, R. Saito, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: One-dimensional character of combination modes in the resonance Raman scattering of carbon nanotubes, *Phys. Rev. Lett.* **93**, 087401-1-4 (2004).
127. M. Souza, A. Jorio, C. Fantini, B. R. A. Neves, M. A. Pimenta, R. Saito, A. Ismach, E. Joselevich, V. W. Brar, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: Single and double resonance Raman G-band processes in carbon nanotubes, *Phys. Rev. B* **69**, 241403-1-4 (2004).
128. K. Sasaki, Y. Kawazoe, R. Saito: Fractional flux periodicity of a twisted planar square lattice, *Phys. Lett. A* **329**, 148-154 (2004).
129. J. Jiang, R. Saito, A. Grüeneis, G. Dresselhaus, M. S. Dresselhaus: Optical absorption matrix element in single-wall carbon nanotubes, *Carbon* **42**, 3169-3176 (2004).
130. G. S. Chou, H. B. Ribeiro, E. Barros, A. P. Santos, D. Nazich, Ge. G. Samsonidze, C. Fantini, M. A. Pimenta, A. Jorio, F. Plentz Filho, M. S. Dresselhaus, G. Dresselhaus, R. Saito, M. Zheng, G. B. Onoa, E. D. Semke, A. K. Swan, M. S. Ünlü, B. B. Goldberg: Optical characterization of DNA wrapped

- Carbon Nanotube Hybrids, *Chem. Phys. Lett.* **397**, 296-301 (2004).
131. S. Murakami, K. Sasaki, R. Saito: Re-parametrization Invariance in Fractional Flux Periodicity, *J. Phys. Soc. Japan* **73**, 3231-3234 (2004).
 132. Ge. G. Samsonidze, R. Saito, N. Kobayashi, A. Grüneis, J. Jiang, A. Jorio, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus: Family behavior of the optical transition energies in single-wall carbon nanotubes of smaller diameters, *Appl. Phys. Lett.* **85**, 5703-5705 (2004).
 133. K. Sasaki, S. Murakami, R. Saito: Fractional Flux Periodicity in doped carbon nanotubes, *Phys. Rev. B* **70**, 233406-1-4 (2004).
 134. A. Jorio, R. Saito, G. Dresselhaus, M. S. Dresselhaus: Determination of nanotubes properties by Raman spectroscopy, *Phil. Trans. R. Soc. Lond. A* **362**, 2311-2336 (2004).
 135. J. Jiang, R. Saito, A. Grüneis, S. G. Chou, Ge. G. Samsonidze, A. Jorio, G. Dresselhaus, and M. S. Dresselhaus: Photoexcited electron relaxation processes in single wall carbon nanotubes, *Phys. Rev. B* **71**, 045417-1-9 (2005).
 136. T. Kimura, K. Ueda, R. Saito, K. Masaki, H. Isshiki: Erbium-silicon-oxide nano-crystallite waveguide formation based on nano-porous silicon, *Optical Materials* **27**, 880-883 (2005).
 137. A. Jorio, C. Fantini, M.A. Pimenta, R.B. Capaz, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, J. Jiang, N. Kobayashi, A. Grüneis, R. Saito: (n,m) dependent effects on the Resonance Raman Spectroscopy for small diameter single-wall carbon nanotubes, *Phys. Rev. B* **71**, 075401-1-11 (2005).
 138. T. Shimada, T. Sugai, C. Fantini, M. Souza, L. G. Cançado, A. Jorio, M. A. Pimenta, R. Saito, A. Grüneis, G. Dresselhaus, M. S. Dresselhaus, Y. Ohno, T. Mizutani, H. Shinohara: Origin of 2450cm^{-1} Raman bands in HOPG, single-wall and double-wall carbon nanotubes, *Carbon* **43**, 1049-1054 (2005).
 139. M. S. Dresselhaus, G. Dresselhaus, R. Saito, A. Jorio: Raman Spectroscopy of Carbon Nanotubes, *Physics Reports* **409**, 47-99 (2005).
 140. S. G. Chou, F. Plentz Filho, J. Jiang, R. Saito, D. Nezich, H. B. Ribeiro, A. Jorio, M. A. Pimenta, Ge. G. Samsonidze, A. P. Santos, M. Zheng, G. B. Onoa, E. D. Semke, G. Dresselhaus, M. S. Dresselhaus: Phonon-assisted excitonic recombination channels observed in DNA-wrapped carbon nanotubes using Photoluminescence spectroscopy, *Phys. Rev. Lett.* **94**, 127402-1-4 (2005).
 141. K. Sasaki, Y. Kawazoe, R. Saito: Local energy gap in deformed carbon nanotubes, *Prog. Theor. Phys.* **113**, 463-480 (2005).
 142. K. Sasaki, S. Murakami, R. Saito, Y. Kawazoe: Controlling edge states of zigzag carbon nanotubes by the Aharonov-Bohm flux, *Phys. Rev. B* **71**, 195401-1-5 (2005).
 143. J. Jiang, R. Saito, A. Grüneis, S. G. Chou, Ge. G. Samsonidze, A. Jorio, G. Dresselhaus and M. S. Dresselhaus: Intensity of the resonance Raman excitation spectra of single-wall carbon nanotubes, *Phys. Rev. B* **71**, 205420-1-13 (2005).
 144. Y. Maeda, S. Kimura, M. Kanda, Y. Hirashima, T. Hasegawa, T. Wakahara, Y. Lian, T. Nakahodo, T. Tsuchiya, T. Akasaka, J. Lu, S. Nagase, S. Kazouoi, N. Minami, T. Shimizu, H. Tokumoto, R. Saito: Large-scale separation of metallic and semiconducting single-wall carbon nanotubes, *J. Amer. Chem. Soc.* **127**, 10287-10290 (2005).
 145. M. S. Dresselhaus, Ge. G. Samsonidze, S. G. Chou, G. Dresselhaus, J. Jiang, R. Saito, A. Jorio: Recent Advances in Carbon Nanotube Photophysics, *Physica E* **29**, 443-446 (2005).
 146. S. Roche, J. Jiang, F. Triozon, R. Saito: Quantum Decoherence in carbon nanotubes due to electron-phonon coupling, *Phys. Rev. Lett* **95**, 076803-1-4 (2005).
 147. A. Jorio, A. P. Santos, H. B. Ribeiro, C. Fantini, M. Souza, J. P. M. Viera, C. A. Furutado, J. Jiang, R. Saito, L. Balzano, D. E. Resasco, M. A. Pimenta: Quantifying carbon nanotube species with resonance Raman scattering, *Phys. Rev. B* **72**, 075207-1-5 (2005).
 148. C. Fantini, A. Jorio, M. Souza, R. Saito, Ge. G. Samsonidze, M. S. Dresselhaus, and M. A. Pimenta: Step-like dispersion of the intermediate frequency Raman

- modes in semiconducting and metallic carbon nanotubes, *Phys. Rev. B* **72**, 085446-1-5 (2005).
149. S. Roche, J. Jiang, F. Triozon, R. Saito: Conductance and Coherence Lengths in Disordered Carbon Nanotubes : Role of Lattice Defects and Phonon Vibrations, *Phys. Rev. B* **72**, 113410-1-4 (2005).
 150. U. J. Kim, X. M. Liu, C. A. Furtado, G. Chen, R. Saito, J. Jiang, M. S. Dresselhaus, P. C. Eklund: Infrared-active Vibrational Modes of Single-Walled Carbon Nanotubes, *Phys. Rev. Lett.* **95**, 157402-1-4 (2005).
 151. R. Saito, K. Sato, Y. Oyama, J. Jiang, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: Cutting lines near the Fermi energy of single wall carbon nanotubes, *Phys. Rev. B* **72**, 153413-1-4 (2005).
 152. S. G. Chou, M. F. DeCamp, J. Jiang, Ge. G. Samsonidze, E. B. Barros, F. Plentz Filho, A. Jorio, M. Zheng, G. B. Onoa, E. D. Semke, A. Tokmakoff, R. Saito, G. Dresselhaus, M. S. Dresselhaus: Phonon-assisted exciton relaxation dynamics for a (6,5)-enriched DNA-wrapped single-walled carbon nanotube sample, *Phys. Rev. B* **72**, 195415-1-8 (2005).
 153. A. G. Souza Filho, N. Kobayashi, J. Jiang, A. Gruneis, R. Saito, S. B. Cronin, J. Mendes Filho, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: Strain-induced quantum interference effects on the resonant Raman cross section of carbon nanotubes, *Phys. Rev. Lett.* **95**, 217403-1-4 (2005).
 154. Q. H. Yang, P. X. Hou, M. Unno, S. Yamauchi, R. Saito, T. Kyotani: Dual Raman features of double coaxial carbon nanotubes with N-doped and B-doped multiwalls, *Nano Letters* **5**, 2465-2469 (2005).
 155. J. Jiang, R. Saito, Ge. G. Samsonidze, S. G. Chou, A. Jorio, G. Dresselhaus and M. S. Dresselhaus: Electron-phonon matrix elements in single-wall carbon nanotubes, *Phys. Rev. B* **72**, 235408-1-11 (2005).
 156. Y. Oyama, R. Saito, K. Sato, J. Jiang, Ge. G. Samsonidze, A. Grüneis, Y. Miyauchi, S. Maruyama, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: Photoluminescence intensity of single-wall carbon nanotubes, *Carbon* **44**, 873-879 (2006).
 157. A. Jorio, C. Fantini, M. A. Pimenta, D. A. Heller, M. S. Strano, M. S. Dresselhaus, Y. Oyama, J. Jiang, R. Saito: Carbon nanotube population analysis from Raman and photoluminescence intensities, *Appl. Phys. Lett.* **88**, 023109-1-3 (2006).
 158. K. Sasaki, M. Murakami, R. Saito: Stabilization mechanism of edge states in graphene, *Appl. Phys. Lett.* **88**, 113110-1-3 (2006).
 159. T. Okazaki, T. Saito, K. Matsuura, S. Ohshima, M. Yumura, Y. Oyama R. Saito, S. Iijima: Photoluminescence and population analysis of single walled carbon nanotubes produced by CVD and pulsed-laser vaporization methods, *Chem. Phys. Lett.* **420**, 286-290 (2006).
 160. S. Latil, S. Roche, F. Triozon, J. Jiang, R. Saito: Mesoscopic transport in carbon nanotubes: novel features, *Phys. Stat. Sol. (a)* **203**, 1100-1104 (2006).
 161. C. Fantini, E. Cruz, A. Jorio, M. Terrones, H. Terrones, G. Van Lier, J-C Charlier, M. S. Dresselhaus, R. Saito, Y. A. Kim, T. Hayashi, H. Muramatsu, M. Endo, and M. A. Pimenta: Resonance Raman Study of Linear Carbon Chains Formed by the Heat Treatment of Double-Wall Carbon Nanotubes, *Phys. Rev. B* **73**, 193408-1-4 (2006).
 162. Stimulated Raman scattering from individual single-wall carbon nanotubes: B. P. Zhang, K. Shimazaki, T. Shiokawa, M. Suzuki, K. Ishibashi, R. Saito, *Appl. Phys. Lett.* **88**, 241101-1-3 (2006).
 163. A. G. Souza Filho, M. Endo, H. Muramatsu, T. Hayashi, Y. A. Kim, E. B. Barros, N. Akuzawa, Ge. G. Samsonidze, R. Saito, M. S. Dresselhaus: Resonance Raman scattering in Br₂-adsorbed double wall carbon nanotubes, *Phys. Rev. B* **73**, 235413-1-12 (2006).
 164. R. Saito, J. Jiang, A. Grüneis, K. Sato, Y. Oyama, Ge. G. Samsonidze, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus, L. G. Cançado, C. Fantini, A. Jorio, M. A. Pimenta: Trigonal anisotropy in Graphite and Carbon nanotubes, *Mol. Cryst. Liq. Cryst.* **455**, 287-294 (2006).
 165. M. Endo, M. Terrones, Y. A. Kim, T. Hayashi, H. Muramatsu, R. Saito, F. Villapando, S. G. Chou, M. S. Dresselhaus: Nanotube Coalescence-Inducing Mode:

- A Novel Vibrational Mode in Carbon Systems, *Small* **2**, 1031-1036 (2006).
166. K. Sasaki, S. Murakami, R. Saito: Gauge field for edge state in graphene, *J. Phys. Soc. Japan* **75**, 074713-1-8 (2006).
167. D-band Raman intensity of graphitic materials as a function of laser energy and crystallite size: K. Sato, R. Saito, Y. Oyama, J. Jiang, L. G. Cancado, M. A. Pimenta, A. Jorio, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, *Chem. Phys. Lett.* **427**, 117-121 (2006).
168. H. Son, A. R. Cecco, Ge. G. Samsonidze, R. Saito, A. Jorio, M. S. Dresselhaus, J. Kong: Raman characterization of electronic transition energies of metallic single-wall carbon nanotubes, *Phys. Rev. B* **74**, 073406 (2006).
169. High energy-resolution electron energy-loss spectroscopy study of the electric structure of double-walled carbon nanotubes: Y. Sato, M. Terauchi, Y. Saito, R. Saito, *J. Electron Microscopy* **55**, 137-142 (2006).
170. J. S. Park, Y. Oyama, R. Saito, W. Izumida, J. Jiang, K. Sato, C. Fantini, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: Raman resonance window of single wall carbon nanotubes, *Phys. Rev. B* **74**, 165414-1-6 (2006).
171. J. Jiang, R. Saito, K. Sato, J. S. Park, Ge. G. Samsonidze, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: Exciton-photon, Exciton-phonon matrix elements and Resonance Raman Intensity of single wall carbon nanotubes, *Phys. Rev. B* **75**, 035405-1-10 (2007).
172. J. Jiang, R. Saito, Ge. G. Samsonidze, A. Jorio, S. G. Chou, G. Dresselhaus M. S. Dresselhaus: Chirality dependence of exciton effects in single-wall carbon nanotubes, *Phys. Rev. B* **75**, 035407-1-13 (2007).
173. K. Sasaki, J. Jiang, R. Saito, S. Onari, Y. Tanaka: Theory of superconductivity of carbon nanotubes and graphene, *J. Phys. Soc. Japan* **76**, 033702-1-4 (2007).
174. M. A. Pimenta, A. Jorio, L. G. Cancado, G. Dresselhaus, M. S. Dresselhaus, R. Saito: Studying Disorder in Graphite-based Systems by Raman Spectroscopy, *Phys. Chem. Chem. Phys.* **9**, 1276-1291 (2007).
175. M. S. Dresselhaus, F. Villalpando-Paez, Ge. G. Samsonidze, S. G. Chou, G. Dresselhaus, J. Jiang, R. Saito, A. G. Souza-Filho, A. Jorio, M. Endo, Y. A. Kim: Raman scattering from one-dimensional carbon systems, *Physica E* **37**, 81-87 (2007).
176. S. G. Chou, H. Son, A. Jorio, R. Saito, M. Zheng, G. Dresselhaus, M. S. Dresselhaus: Length characterization of DNA-wrapped carbon nanotubes using Raman spectroscopy, *Appl. Phys. Lett.* **90**, 131109-1-3 (2007).
177. S. Roche, J. Jiang, L. E. F. Foa Torres, R. Saito: Charge transport in carbon nanotubes: quantum effects of electron-phonon coupling, *J. Phys. Cond. Matter* **19**, 183203-1-21 (2007).
178. M. S. Dresselhaus, G. Dresselhaus, R. Saito, A. Jorio: Exciton Photophysics of Carbon Nanotubes, *Annu. Rev. Phys. Chem.* **58**, 719-747 (2007).
179. Ge. G. Samsonidze, E. B. Barros, R. Saito, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: Electron-phonon coupling mechanism in two-dimensional graphite and single-wall carbon nanotubes, *Phys. Rev. B* **75**, 155420-1-8 (2007).
180. K. Sasaki, K. Sato, R. Saito, J. Jiang, S. Onari, Y. Tanaka: Local density of states at zigzag edge of carbon nanotubes and graphene, *Phys. Rev. B* **75**, 235430-1-7 (2007).
181. Y. Miyauchi, R. Saito, K. Sato, Y. Ohno, S. Iwasaki, T. Mizutani, J. Jiang, S. Maruyama: Dependence of exciton transition energy of single-walled carbon nanotubes on surrounding dielectric materials, *Chem. Phys. Lett.* **442**, 394-399 (2007).
182. E. B. Barros, H. Son, Ge. G. Samsonidze, A. G. Souza Filho, R. Saito, Y. A. Kim, H. Muramatsu, T. Hayashi, M. Endo, J. Kong, M. S. Dresselhaus: Raman spectroscopy on double-wall carbon nanotubes treated with H₂SO₄, *Phys. Rev. B* **76**, 045425-1-11 (2007).
183. S. G. Chou, H. Son, M. Zheng, R. Saito, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: Finite length effects in DNA-wrapped carbon nanotubes, *Chem. Phys. Lett.* **443**, 328-332 (2007).
184. Q. H. Yang, N. Gale, C. J. Oton, F. Li, A. Vaughan, R. Saito, I. S. Nandhakumar, H. M. Cheng, T. Brown,

- W. H. Loh: Raman probe for selective-wrapping of single-walled carbon nanotubes by DNA, *Nanotechnology* **18**, 405706-1-5 (2007).
185. K. Sato, R. Saito, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: Chirality dependence of many body effects of single wall carbon nanotubes, *Vibrational Spectroscopy* **45**, 89-94 (2007).
 186. K.K. Kim, J. S. Park, S. J. Kim, H. Z. Geng, K. H. An, C. M. Yang, K. Sato, R. Saito, Y. H. Lee: Dependence of the G'-band intensity in Raman spectra on the metallicity of single wall carbon nanotubes, *Phys. Rev. B* **76**, 205426-1-8 (2007).
 187. K. Sato, R. Saito, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: Discontinuity in the family pattern of single wall carbon nanotubes, *Phys. Rev. B* **76**, 195466-1-7 (2007).
 188. L. M. Malard, D. Nishide, L. G. Dias, R. B. Capaz, A. P. Gomes, A. Jorio, C. A. Achete, R. Saito, Y. Achiba, H. Shinohara, M. A. Pimenta: Resonance Raman study of polyyenes encapsulated in single-wall carbon nanotubes, *Phys. Rev. B* **76**, 233412-1-4 (2007).
 189. K. Sasaki, M. Suzuki, R. Saito: Aharonov-Bohm effect for the edge states of zigzag carbon nanotubes, *Phys. Rev. B* **77**, 045138-1-6 (2008).
 190. K. Sasaki, R. Saito: Magnetism as a mass term of the edge states in graphene, *J. Phys. Soc. Japan* **77**, 054703-1-7 (2008).
 191. K. Sasaki, R. Saito, G. Dresselhaus, M. S. Dresselhaus, H. Farhat, J. Kong: Curvature induced optical phonon energy shift in metallic carbon nanotubes, *Phys. Rev. B* **77**, 245441-1-8 (2008).
 192. Z. K. Tang, J. P. Zhai, Y. Y. Tong, X. J. Hu, R. Saito, C. T. Chan, P. Sheng: Resonant Raman scattering of the smallest single-walled carbon nanotubes, *Phys. Rev. Lett.* **101**, 047402-1-4 (2008).
 193. K. Kato, K. Ishioka, M. Kitajima, J. Tang, R. Saito, H. Petek: Coherent phonon anisotropy in aligned single-walled carbon nanotubes, *Nano Lett.* **8**, 3102-3108 (2008).
 194. Y. Sato, M. Terauchi, Y. Saito, K. Sato, R. Saito: Relation between peak structures of loss functions of single double-walled carbon nanotubes and interband transition energies, *J. Electron Microsc.* **57**, 129-132 (2008).
 195. A. Gruneis, C. Attaccalite, L. Wirtz, H. Shiozawa, R. Saito, T. Pichler, A. Rubio: Tight-binding description of the quasiparticle dispersion of graphite and few-layer graphene, *Phys. Rev. B* **78**, 205425-1-16 (2008).
 196. K. Sasaki, R. Saito, G. Dresselhaus, M. S. Dresselhaus, H. Farhat, J. Kong: Chirality dependent frequency shift of radial breathing mode in metallic carbon nanotubes, *Phys. Rev. B* **78**, 235405-1-11 (2008).
 197. K. Sasaki, R. Saito: Pseudospin and deformation-induced gauge field in graphene, *Prog. Theor. Phys. Suppl.* **176**, 253-278 (2008).
 198. D. Shimamoto, H. Muramatsu, T. Hayashi, Y. A. Kim, M. Endo, J. S. Park, R. Saito, M. Terrones, M. S. Dresselhaus: Strong and stable photoluminescence from the semiconducting inner tubes within double walled carbon nanotubes, *Appl. Phys. Lett.* **94**, 083106-1-3 (2009).
 199. H. Nishihara, Q. H. Yang, P. X. Hou, M. Unno, S. Yamauchi, R. Saito, J. I. Paredes, A. Martinez-Alonso, J. M. D. Tascon, Y. Sato, T. Kyotani: A Possible Buckyball-Like Structure of Zeolite Templated Carbon, *Carbon* **47**, 1220-1230 (2009).
 200. J. S. Park, A. Reina, R. Saito, J. Kong, G. Dresselhaus, M.S. Dresselhaus: G' band Raman spectra of single, double and triple layer graphene, *Carbon* **47**, 1303-1310 (2009).
 201. H. Farhat, K. Sasaki, M. Kalbac, M. Hofmann, R. Saito, M. S. Dresselhaus, J. Kong: Softening of the Radial Breathing Mode in Metallic Carbon Nanotubes, *Phys. Rev. Lett.* **126804-1-4**, 102 (2009).
 202. L. Gao, W. Ren, B. Liu, R. Saito, Z. Wu, S. Li, C. Jiang, F. Li, H. Cheng: Surface and interference co-enhanced Raman scattering of graphene, *ACS Nano* **3**, 933-939 (2009).
 203. G. D. Sanders, C. J. Stanton, J.-H. Kim, K.-J. Yee, Y.-S. Lim, E. H. Haroz, L. G. Booshehri, J. Kono, R. Saito: Resonant Coherent Phonon Spectroscopy of Single-Walled Carbon Nanotubes, *Phys. Rev. B* **79**, 205434-1-19 (2009).

204. W. Izumida, K. Sato, R. Saito: Spin-orbit interaction in single wall carbon nanotubes: symmetry adapted tight-binding calculation and effective model analysis, *J. Phys. Soc. Japan* **78**, 074707-1-13 (2009).
205. F. Zheng, K. Sasaki, R. Saito, W. Duan, B. Gu: Edge states of zigzag boron nitride nanoribbons, *J. Phys. Soc. Japan* **78**, 074713-1-6 (2009).
206. M. Kalbac, H. Farhat, L. Kavan, J. Kong, K. Sasaki, R. Saito, M. S. Dresselhaus: Electrochemical charging of individual single-walled carbon nanotubes, *ACS Nano* **3**, 2320-2328 (2009).
207. J. S. Park, K. Sasaki, R. Saito, W. Izumida, M. Kalbac, H. Farhat, G. Dresselhaus, M. S. Dresselhaus: Fermi Energy dependence of the G band resonance Raman spectra of single wall carbon nanotubes, *Phys. Rev. B* **80**, 081402(R)-1-4 (2009).
208. P. T. Araujo, A. Jorio, M. S. Dresselhaus, K. Sato, R. Saito: Diameter dependent dielectric constant for the excitonic transition energy of single wall carbon nanotube, *Phys. Rev. Lett.* **103**, 146802-1-4 (2009).
209. R. Saito, K. Sato, P. T. Araujo, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: Exciton energy calculations for single wall carbon nanotubes, *phys. stat. sol. B* **246**, 2581-2585 (2009).
210. K. Sasaki, M. Yamamoto, S. Murakami, R. Saito, M. S. Dresselhaus, K. Takai, T. Mori, T. Enoki, K. Wakabayashi: Kohn Anomalies in Graphene Nanoribbons, *Phys. Rev. B* **80**, 155450-1-11 (2009).
211. W. Ren, R. Saito, L. Gao, F. Zheng, Z. Wu, B. Liu, M. Furukawa, J. Zhao, Z. Chen, H. M. Cheng: Edge phonon state of mono- and few-layer graphene nanoribbons observed by surface and interference co-enhanced Raman spectroscopy, *Phys. Rev. B* **81**, 035412-1-7 (2010).
212. P. T. Araujo, P. B. C. Pesce, M. S. Dresselhaus, K. Sato, R. Saito, A. Jorio: Resonance Raman spectroscopy of the radial breathing modes in carbon nanotubes, *Physica E* **42**, 1251-1261 (2010).
213. M. S. Dresselhaus, A. Jorio, M. Hofmann, G. Dresselhaus, R. Saito: Perspectives on carbon nanotubes and graphene Raman spectroscopy, *Nano Lett.* **10**, 751-758 (2010).
214. W. Song, C. Jeon, Y. S. Kim, Y. T. Kwon, D. S. Jung, S. W. Jang, W. C. Choi, J. S. Park, R. Saito, C. Y. Park: Synthesis of bandgap-controlled semiconducting single-walled carbon nanotubes, *ACS Nano* **4**, 1012-1018 (2010).
215. J. H. Kim, M. Kataoka, D. Shimamoto, H. Muramatsu, Y. C. Jung, T. Hayashi, Y. A. Kim, M. Endo, J. S. Park, R. Saito, M. Terrones, M. S. Dresselhaus: Raman and fluorescence spectroscopic studies of DNA-dispersed double walled carbon nanotube solution, *ACS Nano* **4**, 1060-1066 (2010).
216. P. B. C. Pesce, P. T. Araujo, P. Nikolaev, S. K. Doorn, K. Hata, R. Saito, M. S. Dresselhaus, A. Jorio: Calibrating the single-wall carbon nanotube resonance Raman intensity by high resolution transmission electron microscopy for a spectroscopy-based diameter distribution determination, *Appl. Phys. Lett.* **96**, 051910-1-3 (2010).
217. K. Sasaki, H. Farhat, R. Saito, M. S. Dresselhaus: Kohn anomaly in Raman spectroscopy of single wall carbon nanotubes, *Physica E* **42**, 2005-2015 (2010).
218. K. Sasaki, R. Saito, K. Wakabayashi, T. Enoki: Identifying the orientation of edge of graphene using G band Raman spectra, *J. Phys. Soc. Japan* **79**, 044603-1-8 (2010).
219. L. C. Yin, H. M. Cheng, R. Saito: Triangle defect states of hexagonal boron nitride atomic layer, *Phys. Rev. B* **81**, 153407-1-4 (2010).
220. M. S. Dresselhaus, A. Jorio, R. Saito: Characterizing graphene, graphite and carbon nanotubes by Raman spectroscopy, *Annual Review of Condensed Matter Physics* **1**, 89-108 (2010).
221. D. G. Vercosa, E. B. Barros, A. G. Souza Filho, J. Mendez Filho, Ge. G. Samsonidze, R. Saito, M. S. Dresselhaus: Torsional instability of chiral carbon nanotubes, *Phys. Rev. B* **81**, 165430-1-5 (2010).
222. R. Saito, M. Furukawa, G. Dresselhaus, M. S. Dresselhaus: Raman spectra at graphene edges, *J. Phys. Cond. Matt.* **22**, 334203 (2010).
223. L. C. Yin, R. Saito, M. S. Dresselhaus: The Fermi level dependent electronic properties of the smallest (2,2) carbon nanotube, *Nano Lett.* **10**, 3290-3296 (2010).

224. A. R. T. Nugraha, R. Saito, K. Sato, P. T. Araujo, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: Dielectric constant model for environmental effects on the exciton energies of single wall carbon nanotubes, *Appl. Phys. Lett.* **97**, 091905-1-3 (2010).
225. K. Sato, R. Saito, A. R. T. Nugraha, S. Maruyama: Excitonic effects on radial breathing mode intensity of single wall carbon nanotubes, *Chem. Phys. Lett.* **497**, 94-98 (2010).
226. K. Sato, A. R. T. Nugraha, R. Saito: Excitonic effects on Raman intensity of single wall carbon nanotubes, *e-J. Surf. Sci. Nanotechn.* **8**, 358-361 (2010).
227. K. Sasaki, R. Saito, M. S. Dresselhaus, K. Wakabayashi, T. Enoki: Soliton Trap in Strained Graphene Nanoribbons, *New J. Phys.* **12**, 103015-1-12 (2010).
228. M. S. Dresselhaus, A. Jorio, A. G. Souza Filho, R. Saito: Defect characterization in graphene and carbon nanotubes using Raman spectroscopy, *Phil. Trans. R. Soc. A* **368**, 5355-5377 (2010).
229. A. R. T. Nugraha, K. Sato, R. Saito: Confinement of excitons for the lowest optical transition energies of single wall carbon nanotubes, *e-J. Surf. Sci. Nanotechnology* **8**, 367-371 (2010).
230. P. T. Araujo, A. R. T. Nugraha, K. Sato, M. S. Dresselhaus, R. Saito, A. Jorio: Chirality dependence of the Dielectric constant for the excitonic transition energy of single-wall carbon nanotubes, *phys. stat. solidi* **247**, 2847-2850 (2010).
231. C. Cong, Y. Ting, R. Saito, G. Dresselhaus, M. S. Dresselhaus: Second-order Overtone and Combinational Raman Modes of Graphene Layers in the Range of 1690 cm^{-1} to 2150 cm^{-1} ., *ACS Nano* **5**, 1600-1605 (2011).
232. Md. M. Haque, L. C. Yin, A. R. T. Nugraha, R. Saito: Vibrational and NMR properties of polyynes, *Carbon* **49**, 3340-3345 (2011).
233. E. B. Barros, K. Sato, Ge. G. Samsonidge, M. S. Dresselhaus, R. Saito: D band Raman intensity calculation in armchair edged graphene nanoribbons, *Phys. Rev. B* **83**, 245435-1-8 (2011).
234. R. Saito, M. Hofman, G. Dresselhaus, A. Jorio, M. S. Dresselhaus: Raman spectroscopy of Graphene and Carbon Nanotubes, *Advances in Physics* **60**, 413-550 (2011).
235. K. Sato, J. S. Park, R. Saito, C. Cong, Y. Ting, C. Hung, T. F. Heinz, G. Dresselhaus, M. S. Dresselhaus: Raman spectra of out-of-plane phonons in bilayer graphene, *Phys. Rev. B* **84**, 035419-1-5 (2011).
236. S. Costa, C. Fantini, A. Righi, A. Backmatiuk, R. Schohfelder, M. H. Ruemmeli, R. Saito, M. A. Pimenta: Resonant Raman spectroscopy on enriched ^{13}C carbon nanotubes, *Carbon* **49**, 4719-4723 (2011).
237. L. C. Yin, H. M. Cheng, R. Saito, M. S. Dresselhaus: Fermi level dependent optical transition energy in metallic single-walled carbon nanotubes, *Carbon* **49**, 4774-4780 (2011).
238. R. Endo, R. Saito: Tunneling time of optical pulse in photonic band gap, *J. Opt. Soc. Am. B* **28**, 2537-2542 (2011).
239. H. Farhat, S. Berciaud, M. Kalbac, R. Saito, T. F. Heinz, M. S. Dresselhaus, J. Kong: Observation of electronic Raman scattering in metallic carbon nanotubes, *Phys. Rev. Lett. (Editor's Suggestion)* **107**, 157401-1-4 (2011).
240. L. C. Yin, R. Saito: First principles calculations of the electronic structure of hexagonal ZrN allotropes, *J. Phys. Soc. Japan* **80**, 114707-1-6 (2011).
241. X. Wang, L. C. Yin, G. Liu, L. Wang, R. Saito, G. Q. Lu, H. M. Cheng: Polar interface-induced higher photocatalytic hydrogen evolution over ZnO-CdS heterostructures, *Energy Env. Sci.* **4**, 3976-3979 (2011).
242. A. R. T. Nugraha, G. D. Sanders, K. Sato, C. J. Stanton, M. S. Dresselhaus, R. Saito: Chirality dependence of coherent phonon amplitudes in single wall carbon nanotubes, *Phys. Rev. B* **84**, 174302-1-6 (2011).
243. C. Cong, T. Yu, K. Sato, J. Shang, R. Saito, G. Dresselhaus, M. S. Dresselhaus: Raman characterization of ABA and ABC stacked trilayer graphene, *ACS Nano* **11**, 8760-8768 (2011).
244. T. Chowdury, R. Saito, M. S. Dresselhaus: Polarization dependence of X-ray absorption spectra in graphene, *Phys. Rev. B* **85**, 115410-1-8 (2012).

245. S. Cambre, S. M. Santos, W. Wenseleers, A. R. T. Nugraha, R. Saito, L. Cognet, B. Lounis: Luminescence properties of individual empty and water-filled single-walled carbon nanotubes, *ACS Nano* **6**, 2649-2655 (2012).
246. W. Izumida, A. Vikström, R. Saito: Asymmetric velocities of Dirac particles and vernier spectrum in metallic single-wall carbon nanotubes, *Phys. Rev. B* **85**, 165430-1-8 (2012).
247. G. D. Sanders, A. R. T. Nugraha, R. Saito, C. J. Stanton: Coherent radial-breathing-like phonons in graphene nanoribbons, *Phys. Rev. B* **85**, 205401-1-17 (2012).
248. J. F. Rodriguez-Nieva, R. Saito, S. D. Costa, M. A. Pimenta, M. S. Dresselhaus: Effect of ^{13}C isotope doping on the optical phonon modes in graphene, *Phys. Rev. B* **85**, 245406-1-8 (2012).
249. D. L. Mafra, P. T. Araujo, K. Sato, R. Saito, M. S. Dresselhaus, J. Kong: Using the G' Raman cross-section to understand the phonon dynamics in bilayer graphene systems, *Nano Lett.* **12**, 2883-2887 (2012).
250. Y. A. Kim, K. Fujisawa, H. Muramatsu, T. Hayashi, M. Endo, T. Fujimori, K. Kaneko, M. Terrones, J. Behrends, A. Eckmann, C. Casiraghi, K. S. Novoselov, R. Saito, M. S. Dresselhaus: Raman spectroscopy of boron-doped single-layer graphene, *ACS Nano* **6**, 6293-6300 (2012).
251. P. T. Araujo, D. L. Mafra, K. Sato, R. Saito, J. Kong, M. S. Dresselhaus: Phonon self-energy corrections to nonzero wave-vector phonon modes in single-layer graphene, *Phys. Rev. Lett.* **109**, 046801-1-5 (2012).
252. K. Sato, R. Saito, C. Cong, T. Yu, M. S. Dresselhaus: Zone folding effect in Raman G-band intensity of twisted bilayer graphene, *Phys. Rev. B* **86**, 125414-1-6 (2012).
253. A. M. Dimiev, S. M. Bachilo, R. Saito, J. M. Tour: Reversible formation of ammonium persulfate/sulfuric acid graphite intercalation compounds and their peculiar Raman spectra, *ACS Nano* **6**, 7842-7849 (2012).
- submitted 2012.7.08 report 2012.9.05 accepted 2012.9.11
254. C. H. Lui, L. M. Malard, S. H. Kim, G. Lantz, F. E. Laverge, R. Saito, T. F. Heinz: Observation of layer-breathing mode vibration in few-layer graphene through combination Raman scattering, *Nano Lett.* **12**, 5539-5544 (2012).
255. M. A. Bisset, W. Izumida, R. Saito, H. Ago: Effect of domain boundaries on the Raman spectra of mechanically strained graphene, *ACS Nano* **6**, 10229-10238 (2012).
256. D. L. Mafra, J. Kong, K. Sato, R. Saito, M. S. Dresselhaus, P. T. Araujo: Using gate-modulated Raman scattering and electron-phonon interactions to probe single layer graphene: a new technique to assign phonon combination modes, *Phys. Rev. B (Editor's choice)* **86**, 195434-1-8 (2012).
257. P. T. Araujo, D. L. Mafra, K. Sato, R. Saito, J. Kong, M. S. Dresselhaus: Unraveling the interlayer-related phonon self-energy renormalization in bilayer graphene, *Scientific Report* **2**, 1017 (2012).
258. J. H. Kim, A. R. T. Nugraha, L. G. Booshehri, E. H. Haroz, K. Sato, G. D. Sanders, K. J. Yee, Y. S. Lim, C. J. Stanton, R. Saito, J. Kono: Coherent phonons in carbon nanotubes and graphene, *Chem. Phys.* **413**, 55-80 (2013).
259. D. M. Andrada, H. S. Vieira, M. M. Oliveira, A. P. Santos, L. C. Yin, R. Saito, M. A. Pimenta, C. Fantini, C. A. Furtado: Dramatic increase in the Raman signal of functional groups on carbon nanotube surfaces, *Carbon* **56**, 235-242 (2013).
260. G. Sanders, A. R. T. Nugraha, K. Sato, J.-H. Kim, J. Kono, R. Saito, C. J. Stanton: Theory of coherent phonons in carbon nanotubes and graphene nanoribbons, *J. Phys. Cond. Matt.* **25**, 144201-1-32 (2013).
261. A. Dimiev, G. Ceriotti, N. Behabtu, D. Zakhidov, M. Pasquali, R. Saito, J. M. Tour: Direct real-time monitoring of stage transitions in graphite intercalation compounds, *ACS Nano* **7**, 2773-2780 (2013).
262. D. Yoon, D. Jeong, H. J. Lee, R. Saito, Y. W. Son, H. C. Lee, H. Cheong: Fano resonance in Raman scattering of graphitic systems, *Carbon* **61**, 373-378 (2013).
263. A. R. T. Nugraha, E. Rosenthal, E. H. Hasdeo, C. D. Sanders, C. J. Stanton, M. S. Dresselhaus, R. Saito: Exciton effects on coherent phonon dynamics in single

- wall carbon nanotubes, *Phys. Rev. B* **88**, 075440-1-8 (2013).
264. E. H. Hasdeo, A. R. T. Nugraha, K. Sato, M. S. Dresselhaus, R. Saito: Electronic Raman scattering and the Fano resonance in metallic carbon nanotubes, *Phys. Rev. B* **88**, 115107-1-8 (2013).
265. C. Qiu, X. Shen, B. Cao, C. Cong, R. Saito, J. Yu, M. S. Dresselhaus, T. Yu: Strong magnetophonon resonance induced triple G mode splitting in graphene on graphite probed by micro-magneto Raman spectroscopy, *Phys. Rev. B* **88**, 165407-1-12 (2013).
266. S. W. Chang, R. Dhall, M. Amer, K. Sato, R. Saito, S. Cronin: Evidence for Structural Phase Transitions in Quasi-Metallic Ultra Clean Suspended Carbon Nanotubes, *Nano Research* **6**, 736-744 (2013).
267. R. Saito, K. Sato, P. T. Araujo, D. L. Mafra, M. S. Dresselhaus: Gate modulated Raman spectroscopy of graphene and carbon nanotubes, *Solid State Comm.* **175-176**, 18-34 (2013).
268. Y. S. Lim, A. R. T. Nugraha, S. J. Cho, M. Y. Noh, E. J. Yoon, H. Liu, J. H. Kim, H. Telg, E. H. Haroz, G. D. Sanders, S. H. Baik, H. Kataura, S. K. Doorn, C. J. Stanton, R. Saito, J. Kono, T. Joo: Ultrafast generation of fundamental and multiple-order phonon excitations in highly-enriched (6,5) single-wall carbon nanotubes, *Nano Lett.* **14**, 1426-1432 (2014).
269. J. F. Rodriguez-Nieva, E. B. Barros, R. Saito, M. S. Dresselhaus: Disorder-induced double resonant Raman process in graphene, *Phys. Rev. B* **90**, 235410-1-9 (2014).
270. Brite-Wigner-Fano lineshapes in Raman spectra of graphene: E. H. Hasdeo, A. R. T. Nugraha, M. S. Dresselhaus, R. Saito, *Phys. Rev. B* **90**, 245140-1-8 (2014).
271. Deep-ultraviolet Raman scattering studies of monolayer graphene thin films : H. L. Liu, S. Siregar, E. H. Hasdeo, Y. Kumamoto, C. C. Shen, C. C. Cheung, L. J. Li, R. Saito, S. Kawata, *Carbon* **81**, 807-813 (2015).
272. Origin of coherent G band phonon spectra in single wall carbon nanotubes: A. R. T. Nugraha, E. H. Hasdeo, G. D. Sanders, C. Stanton, R. Saito, *Phys. Rev. B* **91**, 045406-1-6 (2015).
273. Origin of van Hove singularities in twisted bilayer graphene: H. B. Ribeiro, K. Sato, G. S. N. Eliel, E. A. T. de Souza, C. C. Lu, P. W. Chiu, R. Saito, M. A. Pimenta, *Carbon* **90**, 138-145 (2015).
274. Fermi energy dependence of electromagnetic wave absorption in graphene: M. S. Ukhtary, E. H. Hasdeo, A. R. T. Nugraha, R. Saito, *Appl. Phys. Exp.* **8**, 055102 (2015).
275. Double resonance Raman modes in mono- and few-layer MoTe₂: H. Guo, T. Yang, M. Yamamoto, L. Zhou, R. Ishikawa, K. Ueno, K. Tsukagoshi, Z. Zhang, M. S. Dresselhaus, R. Saito, *Phys. Rev. B* **91**, 205415-1-8 (2015).
276. Anomalous lattice vibrations of monolayer MoS₂ probed by ultraviolet Raman scattering: H. L. Liu, H. Guo, T. Yang, Z. Zhang, Y. Mumamoto, C. C. Shen, Y. T. Hsu, L. J. Li, R. Saito, S. Kawata, *Phys. Chem. Chem. Phys.* **17**, 14561-14568 (2015).
277. Valley coupling in finite-length metallic single-wall carbon nanotubes: W. Izumida, R. Okuyama, R. Saito, *Phys. Rev. B* **91**, 235442-1-18 (2015).
278. Large-Area Synthesis of High-Quality Uniform Few-Layer MoTe₂: L. Zhou, K. Xu, A. Zubair, A. Liao, W. Fang, F. Ouyang, Y. H. Lee, K. Ueno, R. Saito, J. Kong, M. S. Dresselhaus, *J. Amer. Chem. Soc.* **137**, 11892-11895 (2015).
279. N. T. Hung, A. R. T. Nugraha, E. H. Hasdeo, M. S. Dresselhaus, R. Saito: Diameter dependence of thermoelectric power of semiconducting carbon nanotubes, *Phys. Rev. B.* **92**, 165426-1-7 (2015).
280. Ultraviolet Raman spectroscopy of graphene and transition metal dichalcogenides: R. Saito, A. R. T. Nugraha, E. H. Hasdeo, S. Siregar, H. Guo, T. Yang, *Phys. Stat. Solidi (B)* **252**, 2363-2374 (2015).
281. Photon energy dependence of angle-resolved photoemission spectroscopy in graphene: A. Pourya, A. R. T. Nugraha, T. R. Czank, E. H. Hasdeo, S. Tanaka, R. Saito, *Phys. Rev. B* **92**, 195148-1-7 (2015).
282. N. T. Hung, D. V. Truong, V. V. Thanh, R. Saito: Ab initio study of mechanical properties of small diameter single-walled carbon nanotubes, *Com. Mat. Sci.* **114**, 167-171 (2016).

283. C. B. Reynolds, M. S. Ukhtary, R. Saito: Absorption of THz Electromagnetic Wave in Two Mono-layers of Graphene, *J. Phys. D* **49**, 195306-1-5 (2016).
284. X. Ling, S. Huang, E. H. Hasdeo, L. Liang, W. M. Parkin, Y. Tatsumi, A. R. T. Nugraha, A. A. Peretzky, P. M. Das, B. G. Sumpter, D. B. Geohegan, J. Kong, R. Saito, M. Drndic, V. Meunier, M. S. Dresselhaus: Anisotropic electron-photon and electron-phonon interactions in black phosphorus, *Nano Lett.* **16**, 2260-2267 (2016).
285. L. C. Yin, J. Liang, G. M. Zhou, F. Li, R. Saito, H. M. Cheng: Understanding the interactions between lithium polysulfides and N-doped graphene using density functional theory calculations, *Nano Energy* **25**, 203-210 (2016).
286. W. Izumida, R. Okuyama, A. Yamakage, R. Saito: Angular momentum and topology in semiconducting single-wall carbon nanotubes, *Phys. Rev. B* **93**, 195442-1-18 (2016).
287. D. Zhang, J. Yang, E. H. Hasdeo, C. Liu, K. Liu, R. Saito, Y. Li: Multiple electronic Raman scatterings in a single metallic carbon nanotubes, *Phys. Rev. B* **93**, 245428-1-6 (2016).
288. R. Saito, Y. Tatsumi, S. Huang, X. Ling, M. S. Dresselhaus: Raman spectroscopy of transition metal dichalcogenides, *J. Phys. Cond. Matt.* **28**, 353002-1-16 (2016).
289. N. T. Hung, E. H. Hasdeo, A. R. T. Nugraha, M. S. Dresselhaus, R. Saito: Quantum effects on thermoelectric power factor of low-dimensional semiconductors, *Phys. Rev. Lett.* **117**, 036602 (2016).
290. E. H. Hasdeo, A. R. T. Nugraha, M. S. Dresselhaus, R. Saito: Fermi energy dependence of first- and second-order Raman spectra in graphene: Kohn anomaly and quantum interference effect, *Phys. Rev. B* **94**, 075104-1-9 (2016).
291. M. S. Ukhtary, A. R. T. Nugraha, E. H. Hasdeo, R. Saito: Broadband Transverse Electric Surface Wave in Silicene, *Appl. Phys. Lett.* **109**, 063103-1-4 (2016).
292. P. Ayria, S. Tanaka, A. R. T. Nugraha, M. S. Dresselhaus, R. Saito: Phonon-assisted indirect transitions in angle-resolved photoemission spectra of graphite and graphene, *Phys. Rev. B* **94**, 075429-1-12 (2016).
293. S. Huang, Y. Tatsumi, X. Ling, H. Guo, Z. Wang, G. Watson, A. Puzos, D. Geohegan, J. Kong, J. Li, T. Yang, R. Saito, M. S. Dresselhaus: In-plane optical anisotropy of layered gallium telluride, *ACS Nano* **10**, 8964-8972 (2016).
294. X. Wei, T. Tanaka, Y. Yomogida, N. Sato, R. Saito, H. Kataura: Experimental determination of excitonic band structures of single-wall carbon nanotubes using circular dichroism spectra, *Nat. Comm.* **7**, 12899-1-9 (2016).
295. Y. Tatsumi, K. Ghahramani, R. Saito: Laser energy dependence of valley polarization in transition metal dichalcogenides, *Phys. Rev. B* **94**, 235408-1-10 (2016).
296. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: Selective coherent phonon mode generation in single wall carbon nanotubes, *J. Phys. Condens. Matter.* **29**, 055302-1-8 (2017).
297. J. Wang, B. Dong, H. Guo, T. Yang, Z. Zhu, G. Hu, R. Saito, Z. Zhang: Stability and electronic properties of few-layer indium iodide, *Phys. Rev. B* **95**, 045404-1-7 (2017).
298. Y. Harada, M. S. Ukhtary, M. Wang, S. Srinivasan, E. H. Hasdeo, A. R. T. Nugraha, W. Gao, G. Noe, Y. Sakai, R. Vajtai, P. M. Ajayan, R. Saito, J. Kono: Giant terahertz-wave absorption by monolayer graphene in a total internal reflection geometry, *ACS Photonics* **4**, 121-126 (2017).
299. T. Kaneko, M. Koshino, R. Saito: Quantum interference on electron scattering in graphene by carbon impurities in underlying h-BN, *Phys. Rev. B* **95**, 125421-1-7 (2017).
300. N. T. Hung, A. R. T. Nugraha, R. Saito: Charge-induced electrochemical actuation of armchair carbon nanotube bundles, *Carbon* **118**, 278-284 (2017).
301. N. Sato, Y. Tatsumi, R. Saito: Circular dichroism of single wall carbon nanotubes, *Phys. Rev. B* **95**, 155436-1-11 (2017).
302. L. Zhou, S. Huang, Y. Tatsumi, L. Wu, H. Guo, Y. Q. Bie, K. Ueno, T. Yang, Y. Zhu, J. Kong, R. Saito, M. S. Dresselhaus: Sensitive phonon-based probe for structure identification of 1T' MoTe₂, *J. Amer. Chem. Soc.* **139**, 8396-8399 (2017).

303. T. Kaneko, R. Saito: First-principles study on inter-layer state in alkali and alkaline earth metal atoms intercalated bilayer graphene, *Surf. Sci.* **665**, 1-9 (2017).
304. N. T. Hung, A. R. T. Nugraha, R. Saito: Two-dimensional InSe as a potential thermoelectric material, *Appl. Phys. Lett.* **111**, 092107-1-4 (2017).
305. M. S. Ukhtary, A. R. T. Nugraha, R. Saito: Negative refraction in Weyl semimetals, *J. Phys. Soc. Japan* **86**, 104703-1-6 (2017).
306. N. T. Hung, A. R. T. Nugraha, R. Saito: Designing three-dimensional carbon archimedean lattices for high-performance electromechanical actuators, *Carbon* **125**, 472-479 (2017).
307. H. Liu, M. S. Ukhtary, R. Saito: Hidden symmetries in N-layer dielectric stacks, *J. Phys. Cond. Mat.* **29**, 455303-1-18 (2017).
308. G. S. N. Eliel, R. Henrique, K. Sato, R. Saito, C. C. Lu, W. Chiu, C. Fantini, A. Righi, M. Pimenta: Raman excitation profile of the G-band enhancement in twisted bilayer graphene, *Braz. J. Phys.* **47**, 589-593 (2017).
309. Y. Hasegawa, T. Aoyama, K. Sasaki, Y. Ikemoto, T. Moriwaki, T. Shirakura, R. Saito, Y. Imai, K. Ohgushi: Two-phonon absorption spectra in a layered honeycomb compound α -RuCl₃, *J. Phys. Soc. Jpn* **86**, 123709-1-5 (2017).
310. N. H. Tung, A. R. T. Nugraha, R. Saito: Two-dimensional MoS₂ electromechanical actuators, *J. Phys. D: Appl. Phys.* **51**, 075306-1-6 (2018).
311. K. Ghalamkari, Y. Tatsumi, R. Saito: Energy band gap dependence of valley polarization of the hexagonal lattice, *J. Phys. Soc. Jpn.* **87**, 024710-1-6 (2018).
312. S. A. Nulli, M. S. Ukhtary, R. Saito: Significant enhancement of light absorption in undoped graphene using dielectric multilayer system, *Appl. Phys. Lett.* **112**, 073101-1-4 (2018).
313. R. Saito, M. Mizuno, M. S. Dresselhaus: Ballistic and diffusive thermal conductivity of graphene, *Phys. Rev. Applied* **9**, 024017-1-12 (2018).
314. N. H. Tung, A. R. T. Nugraha, R. Saito: A universal curve of optimum thermoelectric figures of merit for bulk and low-dimensional semiconductors, *Phys. Rev. Applied* **9**, 024019-1-7 (2018).
315. Y. Tatsumi, R. Saito: Interplay of valley-selection and helicity-exchange of light in Raman scattering for graphene and MoS₂, *Phys. Rev. B* **97**, 115407-1-8 (2018).
316. T. Kaneko, R. Saito: Origin of band bending at domain boundaries of MoS₂: First-principles study, *Jpn. J. Appl. Phys.* **57**, 04FP09-1-6 (2018).
317. B. Dong, H. Guo, Z. Liu, T. Yang, P. Tao, S. Tang, R. Saito, Z. Zhang: Spontaneous antiferromagnetic order and strain effect on electronic properties of α -graphyne, *Carbon* **131**, 223-228 (2018).
318. K. Ghalamkari, Y. Tatsumi, R. Saito: Perfect circular dichroism in the Haldane model, *J. Phys. Soc. Jpn.* **87**, 063708-1-4 (2018).
319. Y. Tatsumi, T. Kaneko, R. Saito: Conservation law of angular momentum in helicity-dependent Raman and Rayleigh scattering, *Phys. Rev. B* **97**, 195444-1-7 (2018).
320. H. S. Liu, T. Yang, Y. Tatsumi, Y. Zhang, B. Dong, H. Guo, Z. D. Zhang, Y. Kumamoto, M. Y. Li, L. J. Li, R. Saito, S. Kawata: Deep-ultraviolet Raman scattering spectroscopy of monolayer WS₂, *Sci. Rep.* **8**, 11398-1-10 (2018).
321. L. Ding, M. S. Ukhtary, M. Chubarov, T. H. Choudhury, F. Zhang, R. Yang, A. Zhang, J. Fan, M. Terrones, J. M. Redwing, T. Yang, M. Li, R. Saito, S. Huang: Understanding interlayer coupling in TMD-hBN heterostructure by Raman spectroscopy, *IEEE Trans. Electron Devices* **65**, 4059-4067 (2018).
322. M. G. Hell, N. Ehlen, B. V. Senkovskiy, E. H. Hasdeo, A. Fedorov, D. Dombrowski, C. Busse, T. Michely, G. di Santo, L. Petaccia, R. Saito, A. Gruneis: Resonance Raman spectrum of doped epitaxial graphene at the Lifshitz transition, *Nano Lett.* **18**, 6045-6056 (2018).
323. Q. D. Truong, N. Hung, Y. Nakayasu, K. Nayuki, Y. Sasaki, K. Murukanahally, L. Yin, T. Tomai, R. Saito, I. Honma: Inversion domain boundaries in MoSe₂ Layers, *RCS Adv.* **8**, 33391-33397 (2018).

324. M. S. Ukhtary, R. Saito: Quantum description of surface plasmon excitation by light in graphene, *Phys. Stat. Solidi B* **255**, 1800181-1-9 (2018).
325. J. Blumberg, M. S. Ukhtary, R. Saito: Enhancement of the electric field and diminishment of the group velocity of light in dielectric multilayer systems: a general description, *Phys. Rev. Appl.* **10**, 064015-1-14 (2018).
326. N. T. Hung, A. R. T. Nugraha, T. Yang, Z. D. Zhang, R. Saito: Thermoelectric performance of monolayer InSe improved by convergence of multivalley bands, *J. Appl. Phys.* **125**, 082502-1-8 (2019).
327. B. Dong, Z. Wang, N. T. Hung, A. R. Oganov, T. Yang, R. Saito, Z. Zhang: New two-dimensional phase of tin chalcogenides: candidates for high-performance thermoelectric materials, *Phys. Rev. Mater.* **3**, 013405-1-9 (2019).
328. D. Satco, A. R. T. Nugraha, M. S. Ukhtary, D. Kopylova, A. G. Nasibulin, R. Saito: Intersubband plasmon excitations in doped carbon nanotubes, *Phys. Rev. B* **99**, 075403-1-13 (2019).
329. N. T. Hung, A. R. T. Nugraha, R. Saito: Designing high-performance thermoelectrics in two-dimensional tetradymites, *Nano Energy* **58**, 743-749 (2019).
330. M. Vila, N. T. Hung, S. Roche, R. Saito: Tunable circular dichroism and valley polarization in the modified Haldane model, *Phys. Rev. B* **99**, 161404(R)-1-5 (2019).
331. P. Fenda, M. S. Ukhtary, R. Saito: Non-vertical optical transition in tip-enhanced Raman spectroscopy of graphene, *J. Phys. Cond. Matt.* **31**, 265701-1-8 (2019).
332. M. S. Ukhtary, M. Maruyama, R. Saito: Planar rotation of electric field induced by edge-plasmon, *Phys. Rev. B* **100**, 155432-1-10 (2019).
333. N. T. Hung, A. R. T. Nugraha, R. Saito: Thermoelectric properties of carbon nanotubes, *Energies* **12**, 4561-1-27 (2019).
334. N. T. Hung, L. C. Yin, P. D. Tran, R. Saito: Simultaneous anionic and cationic redox in Mo_3S_{11} polymer electrode of sodium-ion battery, *J. Phys. Chem.* **123**, 30856-30862 (2019).
335. F.R. Pratama, M. S. Ukhtary, R. Saito: Circular dichroism and Faraday and Kerr rotation in two-dimensional materials with intrinsic Hall conductivity, *Phys. Rev. B* **101**, 045426-1-13 (2020).
336. Q. D. Truong, L. C. Yin, N. T. Hung, D. N. Nguyen, Y. Gambe, K. Nayuki, Y. Sasaki, H. Kobayashi, R. Saito, P. D. Tran, I. Honma: Anionic redox in a $(\text{Mo}_3\text{S}_{11})_n$ polymer cathode for all-solid-state Li-ion battery, *Electrochimica Acta* **332**, 135218-1-8 (2020).
337. K. Zhang, X. Pang, T. Wang, F. Han, S. L. Shang, N. T. Hung, A. R. T. Nugraha, Z. K. Liu, M. Li, R. Saito, S. Huang: Anomalous phonon-mode dependence in polarized Raman spectroscopy of the topological Weyl semimetal TaP, *Phys. Rev. B* **101**, 014308-1-9 (2020).
338. N. Ehlen, M. Hell, G. Marini, E. H. Hasdeo, R. Saito, Y. Falke, G. Di Santo, L. Petaccia, G. Profeta, A. Gruneis: Origin of the flat band in heavily Cs doped graphene, *ACS Nano* **14**, 1055-1069 (2020).
339. D. Satco, D. Kopylova, F. Fedorov, T. Kallio, R. Saito, A. Nasibulin: Intersubband plasmon observation in electrochemically gated carbon nanotube films, *ACS App. Elec. Mater.* **2**, 195-203 (2020).
340. S. Wang, F. R. Pratama, M. S. Ukhtary, R. Saito: Independent degrees of freedom in two-dimensional materials, *Phys. Rev. B* **101**, 081414(R)-1-5 (2020).
341. N. T. Hung, A. R. T. Nugraha, T. Yang, R. Saito: Confinement Effect in Thermoelectric Properties of Two-Dimensional Materials, *MRS Advance* **5**, 469-479 (2020).
342. J. Gresik, M. S. Ukhtary, R. Saito: Scaling laws in synchronization of metronomic oscillatory systems, *J. Phys. Soc. Japan* **89**, 054002-1-9 (2020).
343. V. V. Thanh, N. D. Van, D. V. Truong, R. Saito, N. T. Hung: First-principles study of mechanical, electrical, and optical properties of Janus structure in transition metal dichalcogenides, *Appl. Surf. Sci.* **526**, 146730-1-8 (2020).
344. M. S. Ukhtary, R. Saito: Surface plasmon in graphene and carbon nanotubes, *Carbon* **167**, 455-474 (2020).
345. M. S. Ukhtary, R. Saito: Step-like conductance of a silicene pseudospin junction, *J. Phys. Cond. Matt.* **32**, 425301-1-8 (2020).

346. Y. Zhao, S. Zhang, Y. Shi, Y. Zhang, R. Saito, J. Zhang, L. Tong: Characterization of excitonic nature in Raman spectra using circularly polarized light, *ACS Nano* **14**, 10527-10535 (2020).
347. Y. Zhang, H. Guo, W. Sun, H. Sun, S. Ali, Z. Zhang, R. Saito, T. Yang: Scaling law for strain dependence of Raman spectra in transition-metal dichalcogenides, *J. Raman Spectrosc.* **51**, 1353-1361 (2020).
348. S. Wang, M. S. Ukhtary, R. Saito: Strain effect on circularly-polarized electroluminescence in transition metal dichalcogenides, *Phys. Rev. Res.* **2**, 033340-1-7 (2020).
349. H. L. Liu, T. Yang, J. H. Chen, H. W. Chen, H. Guo, R. Saito, M. Y. Li, L. J. Li: Temperature-dependent optical constants of monolayer MoS₂, MoSe₂, WS₂, and WSe₂: spectroscopic ellipsometry and first-principles calculations, *Sci. Rep.* **10**, 15282-1-11 (2020).
350. R. Saito, M. S. Ukhtary, S. Wang, Y. Iwasaki: Circular dichroism of doped carbon nanotubes, *J. Appl. Phys.* **128**, 164301-1-11 (2020).
351. K. Zhang, T. Wang, X. Pang, F. Han, S.-L. Shang, N. T. Hung, A. R. T. Nugraha, Z.-K. Liu, M. Li, R. Saito, S. Huang: Anisotropic Fano resonance in a Weyl semimetal candidate LaAlSi, *Phys. Rev. B* **102**, 235162-1-8 (2020).
352. A. Jorio, R. Saito: Raman Spectroscopy for Carbon Nanotube Applications, *J. Appl. Phys.* **129**, 021102-1-27 (2021).
353. N. T. Hung, R. Saito: The origin of quantum effects in low-dimensional thermoelectric materials, *Adv. Quantum Tech.* **4**, 2000115-1-12 (2021).
354. M. S. Ukhtary, R. Saito: Effective impedance of two-dimensional metal with retardation effect, *J. Phys. Cond. Matt.* **33**, 185302-1-9 (2021).
355. F. R. Pratama, M. S. Ukhtary, R. Saito: Magnitizations and de Haas-van Alphen oscillations in massive Dirac fermions, *Phys. Rev. B* **103**, 245408-1-14 (2021).
356. Y. Tian, M. S. Ukhtary, R. Saito: Optimized enhancement of electric field in a metallic hollow cylinder, *J. Phys. D: Appl. Phys.* **54**, 325303-1-9 (2021).
357. N. Mao, Y. Lin, Y. Q. Bie, T. Palacios, L. Liang, R. Saito, X. Ling, J. Kong, W. Tisdale: Resonance-enhanced excitation of interlayer vibrations in atomically thin black phosphorus, *Nano Lett.* **21**, 4809-4815 (2021).
358. M. S. Ukhtary, Y. Tian, R. Saito: Spin current generation by edge plasmon in graphene ribbon, *Phys. Rev. B* **103**, 245428-1-8 (2021).
359. S. Wang, N. T. Hung, H. Tian, M. S. Islam, R. Saito: Switching behavior in a heterostructure of periodically doped graphene nanoribbon, *Phys. Rev. Appl.* **16**, 024030-1-10 (2021).
360. R. Saito, M. S. Ukhtary, S. Wang, N. T. Hung: Selection rule for Raman spectra of two-dimensional materials using circularly-polarized vortex light, *Phys. Chem. Chem. Phys.* **23**, 17271-17278 (2021).
361. S. Han, Y. Zhao, N. T. Hung, B. Xu, R. Saito, J. Zhang, L. Tong: Complex Raman tensor in helicity-changing Raman spectra of Black phosphorus by circularly polarized light, *J. Phys. Chem. Lett.* **13**, 1241-1248 (2022).
362. N. T. Hung, J. M. Adhidewata, A. R. T. Nugraha, R. Saito: Enhanced thermoelectric performance of type-II nodal-line semimetals by van Hove singularities in density of states, *Phys. Rev. B* **105**, 115142-1-5 (2022).
363. J. Huang, H. Guo, L. Zhou, S. Zhang, L. Tong, R. Saito, T. Yang, Z. Zhang: First principles calculations of double resonance Raman spectra for monolayer MoTe₂, *Phys. Rev. B* **105**, 235401-1-8 (2022).
364. D. P. Gulo, N. T. Hung, T. J. Yang, G. J. Shu, R. Saito, H. Liu: Exploring unusual temperature-dependent optical properties of graphite single crystal by spectroscopic ellipsometry, *Carbon* **197**, 485-493 (2022).
365. Y. Tian, M. S. Ukhtary, R. Saito: Switching performance of optically-generated spin current at the graphene edge, *Phys. Rev. B* **106**, 045420-1-7 (2022).
366. F. R. Pratama, R. Saito, N. T. Hung: Magneto-Seebeck coefficient of Fermi-liquid in three-dimensional Dirac/Weyl semimetal, *Phys. Rev. B* **106**, L081304-1-7 (2022).

367. R. Natsui, H. Shimizu, Y. Nakanishi, Z. Liu, N. T. Hung, Y. C. Lin, A. Shimamura, T. Endo, J. Pu, I. Kikuchi, T. Takenobu, S. Okada, K. Suenaga, R. Saito, Y. Miyata: Vapor-Phase Indium Intercalation in van der Waals Nanofibers of Atomically Thin W₆Te₆ Wires, *ACS Nano* **17**, 5561-5569 (2023).
368. D. P. Gulo, N. T. Hung, R. Sankar, R. Saito, H. Liu: Exploring optical properties of 2H- and 1T'-MoTe₂ single crystals by spectroscopic ellipsometry, *Phys. Rev. Mat.* **7**, 044001-1-13 (2023).
369. H. Liu, B. D. Annawati, N. T. Hung, D. Gulo, P. Solis-Fernandez, K. Kawahara, H. Ago, R. Saito: Interference of excitons and surface plasmons in the optical absorption spectra of monolayer and bilayer graphene, *Phys. Rev. B* **107**, 165421-1-10 (2023).
370. R. Nadas, A. C. Cadelha, T. C. Barbosa, C. Rabelo, T. L. Vasconcelos, V. Monken, A. V. R. Portes, K. Watanabe, T. Taniguchi, J. C. Ramirez, L. C. Campos, R. Saito, L. G. Cancado, A. Jorio: Nano-Raman measurements of ballistic optical phonons in a graphene device, *Nano Lett.* **23**, 8827-8832 (2023).
371. S. Han, N. T. Hung, Y. Xie, R. Saito, J. Zhang, L. Tong: Observing Axial Chirality of Chiral Single-Wall Carbon Nanotube by Helicity-Dependent Raman Spectra, *Nano Letters* **23**, 8454-8459 (2023).
372. N. T. Hung, J. Huang, Y. Tatsumi, T. Yang, R. Saito: QERaman: An open-source program for calculating resonance Raman spectra based on Quantum ESPRESSO, *Comp. Phys. Comm.* **295**, 108967-1-9 (2023).
373. N. T. Hung, K. Zhang, V. V. Thanh, Y. Guo, A. Puzetzy, D. Geohegan, J. Kong, S. Huang, R. Saito: Nonlinear Optical Responses of Janus MoSSe/MoS₂ Heterobilayers Optimized by Stacking Order and Strain, *ACS Nano* **17**, 19877-19886 (2023).
374. J. Doumani, M. Lou, O. Dewey, N. Hong, J. Fan, A. Baydin, K. Zahn, Y. Yomogida, K. Yanagi, M. Pasquali, R. Saito, J. Kono, W. Gao: Engineering chirality at wafer scale with ordered carbon nanotube architectures, *Nature Comm.* **14**, 7380-1-11 (2023).
375. D. P. Gulo, N. T. Hung, W-L. Chen, S. Wang, M. Liu, E. I. Kauppinen, S. Maruyama, Y-M. Chang, R. Saito, H. Liu: Interacting phonons between layers in Raman spectra of carbon nanotubes inside boron-nitride nanotubes, *J. Phys. Chem. Lett.* **14**, 10263-10270 (2023).
376. T. A. Freitas, P. Machado, L. Valente, D. Sier, R. Correa, R. Saito, C. Galland, M. F. Santos, C. H. Monken, A. Jorio: Microscopic origin of polarization-entangles Stokes-anti-Stokes photons in diamond, *Phys. Rev. A* **108**, L051501-1-5 (2023).
377. R. Saito, N. T. Hung, T. Yang, J. Huang, H. L. Liu, D. P. Gulo, S. Han, L. Tong: Deep-Ultraviolet and Helicity-Dependent Raman Spectroscopy for Carbon Nanotubes and Two-dimensional Materials, *Small* , 42847408-1-17 (2024).
378. A. Jorio, R. Nadas, A. G. Pereira, C. Rabelo, A. C. Gadelha, T. L. Vasconcelos, W. Zhang, Y. Miyata, R. Saito, M. D. D. Costa, L. G. Cancado: Nano-Raman spectroscopy of 2D materials, *2D materials* **11**, 033003-1-18 (2024).
379. N. T. Hung, T. Nguyen, V. V. Thanh, S. Wang, R. Saito, M. Li: Symmetry breaking in 2D materials for optimizing second-harmonic generation, *J. Phys. D* **57**, 333002-1-16 (2024).
380. H. L. Liu, H. W. Chen, N. T. Hung, Y. C. Chen, H. J. Liu, C. T. Chen, Y. L. Chueh, Y. H. Chu, R. Saito: Temperature-dependent indirect gaps for two-dimensional bismuth oxychalcogenides probed by spectroscopic ellipsometry, *2D Materials* **11**, 035029-1-11 (2024).

III 国際、国内会議招待講演

1. R. Saito: Magnetic and optical properties associated with graphite interlayer bands, "Symposium on Graphite Intercalation Compounds", Material Research Society, Boston (U.S.A), (1988.11.29-12.5).
2. R. Saito, M. Fujita, G. Dresselhaus and M. S. Dresselhaus: Electronic Structure and Growth Mechanism of Carbon Tubules, "Physics and Chemistry of Nanometer-Scale Materials", The 4th NEC symposium on fundamental approaches to new material phases, Karuizawa (Japan), (1992.10.11-15).

3. M.S. Dresselhaus, G. Dresselhaus and R. Saito: Group theoretical concept for C_{60} and other fullerenes, "Physics and Chemistry of Nanometer-Scale Materials", The 4th NEC symposium on fundamental approaches to new material phases, Karuizawa (Japan), (1992.10.11-15).
4. G. Dresselhaus, M. S. Dresselhaus, and R. Saito: A molecular model for the optical properties of C_{60} and higher fullerenes, Symposium of fullerenes and related materials, 1993 spring meeting, Material Research Society, San Francisco (USA), (1993.4.12-16).
5. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: Energy bands of carbon nanotubes in high magnetic fields, Symposium of fullerenes, fullerene-polymer composites, carbon nanotubes and their applications, 1995 spring meeting, Material Research Society, San Francisco (USA), (1995.4.17-21).
6. 齋藤 理一郎: "カーボンナノチューブの立体構造と電子状態", 新炭素材料研究会 (平成 7 年度学術振興会産学共同研究支援事業研究会), (招待講演) 基礎化学研究所、京都, (1996 年 3 月).
7. R. Saito: Electrical Conductance of Metal-Semiconductor Nanotube Junction, International Symposium on Fullerene Chemistry, Jerusalem Israel, (1996.5.5-10).
8. R. Saito: Raman Spectra of Carbon Nanotubes and Graphite Nanoclusters, 1997 Science of Carbon Nanotubes Workshop, Lexington, Kentucky, USA, (1997.7.10-11).
9. R. Saito: Phonon structure and Raman spectra of carbon nanotubes, Microscopies of nanotubular structures, Joint workshop of the NAMITECH European network and NEDO network, Nantes, France, (1997.10.27-28).
10. R. Saito: Raman Intensity of Carbon Nanotubes, CECAM Workshop on Simulation of Carbon and BxCyNz Nanotubes, Lyon, France, (1998.9.1-3).
11. R. Saito: Absence of Back Scattering and Berry's Phase in Carbon Nanotube, CECAM Workshop on Simulation of Carbon and BxCyNz Nanotubes, Lyon, France, (1998.9.1-3).
12. G. Dresselhaus, M.A. Pimenta, P.C. Eklund and M. S. Dresselhaus and R. Saito: Raman modes of metallic carbon nanotubes, CECAM Workshop on Simulation of Carbon and BxCyNz Nanotubes, Lyon, France, (1998.9.1-3).
13. R. Saito, T. Ando and T. Nakanishi: Berry's Phase of Carbon Nanotube and Graphite, Keynote Talk, Internal Symposium on Carbon, Science and Technology for New Carbon, Surugadai Memorial Hall, Chuo University, Tokyo, (1998.11.8-12).
14. R. Saito: Quantum Properties of Single Wall Carbon Nanotube, The 3rd Symposium on Structure and Properties of NanoSize Molecular Systems, Institute of Fundamental Chemistry, Kyoto, (1998.11.20).
15. R. Saito: Electronic and Phonon Properties of Carbon Nanotubes, The 6th NIRIM International Symposium on Advanced Material, National Institute for Research in Inorganic Material, Tsukuba, (1999.2.28-3.3).
16. 齋藤 理一郎: カーボンナノチューブに叶う技術, (特別講演) 日本材料科学会 平成 11 年度学術講演大会プログラム, 工学院大学, 東京, (1999.5.28).
17. R. Saito: Finite Size and Impurity Effect of Raman Spectra of Carbon Nanotubes, International Symposium of Fullerene and Nanotubes, ISFN99, Yuya Onsen, Aichi, (1999.6.3-6.6).
18. 齋藤 理一郎, S. Roche, G. Dresselhaus, M. S. Dresselhaus: "カーボンナノチューブの磁場効果", 第 17 回フラーレン総合シンポジウム (特別講演), 長良川国際会議場, 岐阜, (1999.8.9-10).
19. R. Saito: Quantum Properties of Carbon Nanotubes, Applied Diamond Conference / Frontier Carbon Technology Joint Conference 1999, Tsukuba, (1999.8.31-9.3).
20. 齋藤 理一郎: 理論からみたカーボンナノチューブ, 日本物理学会秋の分科会 シンポジウム 岩手大学, (1999.9.24-27).
21. 齋藤 理一郎: Physical Properties of Single Wall Carbon Nanotubes, TCSC Workshop Tukuba, (1999.11.19).
22. 齋藤 理一郎: カーボンナノチューブの量子物性, 第 12 回佐々木シンポジウム 筑波大学, (1999.12.1-2).
23. 齋藤 理一郎: "カーボンナノチューブの理論的研究", 第 13 回日本 IBM 科学賞授賞式講演, 学士会館, (1999.12.10).

24. 齋藤 理一郎: “カーボンナノチューブのラマン散乱”, 理研シンポジウム「極限微小構造の物理と制御(8) – ナノチューブエレクトロニクス –, 理化学研究所, (1999.12.15).
25. 齋藤 理一郎: “Solid State Properties of Carbon Nanotubes”, 日台科学交流 フラーレンセミナー, 岡崎グランドホテル, (2000.1.11-12).
26. 齋藤 理一郎: “カーボンナノチューブの量子物性”, 岡山大学理学部化学教室講演会, 岡山大学, (2000.4.13).
27. 齋藤 理一郎: “カーボンナノチューブの電子物性と応用”, 上智大学理学部物理学教室コロキウム, 上智大学, (2000.5.18).
28. 齋藤 理一郎: “カーボンナノチューブ – 製法、物性、応用 –, 炭素材料学会先端技術講習会, 化学会館, (2000.7.25).
29. 齋藤 理一郎: “21世紀の量子材料: カーボンナノチューブ”, 早稲田大学理工学研究科量子材料学セミナー(招待講演), 早稲田大学, (2000.10.24).
30. 齋藤 理一郎: “Shrine of Physics”, Symposium in Honor of MILDRED DRESSELHAUS’ 70TH BIRTHDAY (invited), MIT, Bartos Theater, Boston, (2000.12.1).
31. 齋藤 理一郎: “Resonant Raman Spectroscopy of Isolated Single Wall Carbon Nanotubes”, Taiwan-Japan Corporate Meeting of Fullerene Science and Technology (invited), Westlake Resort Garden at San-Yih, Taiwan, (2000.12.21-23).
32. R. Saito: “Solid State Properties and Applications of Carbon Nanotubes”, Seminar of Physics Department, The Hong Kong University of Science and Technology(invited), The Hong Kong University of Science and Technology, Hong Kong, (2001.2.8).
33. R. Saito: “Single Nanotube Raman Spectroscopy and Current Progress of Carbon Nanotubes”, Panel Discussion with Professor R. E. Smalley(invited), Auditorium of Department of Chemistry, The University of Tokyo, (2001.2.22).
34. R. Saito, A. Jorio, J. H. Hafner, C. Lieber, M. Hunter, T. McClure, M. A. Pimenta, A. M. Rao, G. Dresselhaus and M. S. Dresselhaus: “Micro-Raman Spectroscopy of Isolated Single Wall Carbon Nanotubes”, XVth International Winterschool On Electronic Properties Of Novel Materials (Invited Talk), Hotel Sonnalp, Kirchberg, Austria, (2001.3.3-10).
35. 齋藤 理一郎: “孤立チューブのスペクトロスコピー”, 日本物理学科 第56回(2001年)年次大会 領域7/9 合同シンポジウム(招待講演), 中央大学多摩校舎, (2001.3.27-30).
36. 齋藤 理一郎: “カーボンナノチューブ – 最近の科学と応用技術の進歩 –, (株)テクノシステム, ナノチューブ講習会(招待講演), 中央大学駿河台記念館, (2001.5.30).
37. 齋藤 理一郎: “カーボンナノチューブ科学の最近の進展”, 日本複合材料学会 特別講演(招待講演), 東大山上会館, (2001.6.5).
38. M. S. Dresselhaus, A. Jorio, and R. Saito: “Single Carbon Nanotube Raman Spectroscopy”, Plenary talk on CARBON ’01 Conference, Lexington, Kentucky, USA, (2001.7.15-20).
39. M. S. Dresselhaus, A. Jorio, A.G. Souza Filho, G. Dresselhaus, R. Saito, and M.A. Pimenta: “Single Carbon Nanotube Raman Spectroscopy”, Invited talk on Nanotec01, Sussex, UK, (2001.8.29-31).
40. 齋藤 理一郎: “単層カーボンナノチューブの共鳴ラマン効果”, 日本化学会 第80秋期年会, (依頼講演), 千葉大西千葉キャンパス, (2001.9.20-23).
41. R. Saito, A. Jorio, A. G. Souza Filho, A. Grueneis, M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus: “Dispersive Raman spectra observed in graphite and single wall carbon nanotubes (invited)”, Tsukuba Symposium on Carbon Nanotube, Tsukuba International Congress Center, Tsukuba, (2001.10.3-5).
42. M. S. Dresselhaus, A. Jorio, A.G. Souza Filho, M.A. Pimenta, G. Dresselhaus, and R. Saito: “Raman spectroscopy of one isolated carbon nanotube (invited)”, Tsukuba Symposium on Carbon Nanotube, Tsukuba International Congress Center, Tsukuba, (2001.10.3-5).
43. R. Saito: “Nano-technology of carbon nanotubes (invited)”, The 9th annual conference of Hong Kong Institute of Science, “New frontiers in Science and Technology in Hong-Kong-Nano-technology as an example”, Hong Kong University, Hong Kong, (2001.11.10).
44. R. Saito, A. Grueneis, L. G. Cancado, M. A. Pimenta, A. Jorio, A.G. Souza Filho, G. Dresselhaus, and M. S. Dresselhaus: “Double resonance Raman spectra in disordered graphite and single wall carbon

- nanotubes (invited)”, International Symposium on Nanocarbon, Nagano Metropolitan Hotel, Nagano, (2001.11.14-16).
45. M. S. Dresselhaus, A. Jorio, A.G. Souza Filho, G. Dresselhaus, R. Saito, and M. A. Pimenta: “Raman spectroscopy of nanoscale carbons and of an isolated carbon nanotube (invited)”, International Symposium on Nanocarbon, Nagano Metropolitan Hotel, Nagano, (2001.11.14-16).
 46. 齋藤 理一郎: “単一カーボンナノチューブのラマン分光 (招待)”, 東北大学多元物質科学研究所セミナー, 東北大学多元物質科学研究所表面機能解析部門, 仙台, (2001.11.21).
 47. A. Jorio, A. G. Souza Filho, Ge. G. Samsonidze, M. A. Pimenta, G. Dresselhaus, R. Saito, M.S. Dresselhaus: “New effects on the resonance Raman features in one-dimensional systems: isolated single wall carbon nanotube studies”, XVIth International Winterschool on Electronic Properties of Novel Materials (Invited Talk), Hotel Sonnalp, Kirchberg, Austria, (2002.3.2-9).
 48. R. Saito: “Raman spectroscopy of single carbon nanotube”, Japan India meeting on molecular and supramolecular materials (invited talk), 東京ファッションタウンビル内会議室、東京・台場, (2002.3.14-16).
 49. R. Saito, A. Grueneis, A. Jorio, A. G. Souza Filho, M. S. Dresselhaus, G. Dresselhaus, Ge. G. Samsonidze, L. G. Cancado, M. A. Pimenta: “Optical properties and Resonant Raman spectroscopy of Carbon Nanotubes (invited)”, International Conference on the Science and Application of Nanotubes(NT02), Boston College, Boston, USA, (2002.7.6-11).
 50. M. S. Dresselhaus, R. Saito, A. Jorio, A. G. Souza Filho, G. Dresselhaus, Ge. G. Samsonidze, M. A. Pimenta: “Single carbon nanotube spectroscopy (keynote)”, International Conference on the Science and Application of Nanotubes(NT02), Boston College, Boston, USA, (2002.7.6-11).
 51. 齋藤 理一郎: “ナノチューブ入門 – 生成・構造・電子状態・応用 – (招待講演)”, 第一回ナノサイエンス・サマー道場『ナノチューブ・フラーレンのカーボン・ナノサイエンス』, 未踏科学技術協会, 長野県飯綱高原ホテルアルカディア, (2002.8.18-20).
 52. 齋藤 理一郎: “ナノチューブの電子格子物性 (招待講演)”, 第40回 茅コンファレンス『ナノ構造炭素の科学とその応用』, 八幡平ロイヤルホテル, 岩手県松尾村, (2002.8.21-24).
 53. R. Saito, A. Grueneis, A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, M. A. Pimenta, L. G. Cancado, V. W. Brar, Ge. G. Samsonidze (invited): “Theory of Raman scattering in single wall carbon nanotubes”, XVIIIth International Conference on Raman Spectroscopy (ICORS 2002), Budapest, Hungary, (2002.8.25-30).
 54. A. Jorio, A. G. Souza Filho, R. Saito, G. Dresselhaus, M. S. Dresselhaus: “General aspect of Raman spectroscopy in one-dimensional systems: the study of isolated single wall carbon nanotubes (invited)”, XVII-Ith International Conference on Raman Spectroscopy (ICORS 2002), Budapest, Hungary, (2002.8.25-30). ナノチューブの2重共鳴ラマン (招待講演) 日本物理学会 2002年秋季大会領域7シンポジウム: ナノチューブ状物質の最近の話題 – これから始める人へのチュートリアルも兼ねて – 2002.9.6-9 中部大学
 55. 齋藤 理一郎: “ナノチューブの電子状態と光物性の理論 (招待講演)”, 2002年秋 応用物理学会「カーボンナノチューブ・エレクトロニクス」シンポジウム, 新潟大学 (五十嵐キャンパス), (2002.9.24-27).
 56. 齋藤 理一郎: “ナノチューブが拓くナノサイエンス (招待講演)”, 表面技術協会 材料機能ドライプロセス部会 第54回例会, 工学院大学, (2002.12.6).
 57. 齋藤 理一郎: “ナノチューブの基礎と機械的特性 (招待講演)”, 日本機械学会特別セミナー『カーボンナノチューブの基礎と応用』 - ナノテク新素材の機械工学へのインパクトと展開 -, 日本機械学会 会議室 信濃町, (2003.2.24).
 58. 齋藤 理一郎: “ナノチューブの共鳴ラマン分光の進展 (招待講演)”, 日本学術振興会第167ナノプローブテクノロジー委員会, 川崎サイエンスアカデミー, 川崎市高津区, (2003.4.22).
 59. 齋藤 理一郎: “カーボンナノ材料の構造と電子状態 (招待講演)”, 応用物理学会第119回結晶工学分科会研究会, 名古屋大学ベンチャービジネスラボラトリー, (2003.6.13).
 60. 齋藤 理一郎: “ナノチューブの物性 (招待講演)”, 青山学院大学理工学部第3回ナノサイエンスセミナー, 青山学院大学相模原キャンパス, (2003.6.20).

61. M. S. Dresselhaus, R. Saito, A. Jorio, A. G. Souza-Filho, G. Dresselhaus: “Single Carbon Nanotube Spectroscopy (invited)”, International Conference on the Science and Application of Nanotubes, NT03, Culture Building, Seoul National University, Seoul, Korea, (2003.7.7-11).
62. R. Saito, A. Grueneis, G. Ge. Samsonidze, A. Jorio, A. G. Souza-Filho, M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus(招待講演): “Resonance Raman Spectra of Single Wall Carbon Nanotubes Bundle”, 第一回ナノカーボン研究会, 龍名館本店、神田、東京, (2003.7.13).
63. 齋藤 理一郎: “カーボンナノチューブ入門、電子構造、フォノン構造 (招待講演)”, 2003 年物性若手夏の学校, 京都ゼミナールハウス、京都府北桑田郡京北町, (2003.8.11-14).
64. 齋藤 理一郎: “カーボンナノチューブが拓く世界 (招待講演)”, 平成 15 年度泉秋会講演会・総会, KKR ホテル仙台, (2003.10.24).
65. 齋藤 理一郎: “ナノチューブを操る一寸法師たち (招待講演)”, 日本物理学会公開講座, 中央大学理工学部, (2003.10.25).
66. 齋藤 理一郎: “カーボンナノチューブの電子状態と物性 (招待講演)”, 大阪大学基礎工学研究科 COE セミナー, 大阪大学基礎工学研究科, (2003.11.20).
67. R. Saito: “Resonance Raman Spectroscopy of Single Wall Carbon Nanotubes (plenary lecture)”, The symposium on Nanotubes and Nanostructures, Hong Kong University of Science and Technology, Hong Kong, (2004.1.6).
68. 齋藤 理一郎: “Optical absorption and double resonance spectroscopy of graphite and carbon nanotubes (invited talk)”, 未来開拓推進事業『ナノカーボン』最終報告会, 長野メトロポリタン Hotel, (2004.1.21).
69. 齋藤 理一郎, J. Jiang, A. Gruneis: “Electron-phonon coupling in graphite (invited talk)”, 第 3 回 ナノカーボン研究会, アルカディア市ヶ谷, (2004.3.3).
70. R. Saito, A. Gruneis, J. Jiang, G. Ge. Samsonidze, A. Jorio, A. G. Souza-Filho, M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus: “Double Resonance Raman Spectroscopy and optical properties of carbon nanotubes (invited talk)”, International Winterschools on Electronic Properties of Novel Materials (IWEPNM2004), Kirchberg, Austria, (2004.3.6-3.13).
71. 齋藤 理一郎: “ナノチューブの電子状態と光物性の理論”, 2004 年秋季 応用物理学会 学術講演会 シンポジウム (招待講演), 東北学院大学 泉キャンパス, (2004.9.1-4).
72. R. Saito: “Optical properties of carbon nanotubes; photo-luminescence, Raman and IR spectroscopy”, 1st Japan-Korea Symposium on Carbon Nanotubes, Seogwipo KAL Hotel, Jejudo, Korea, (2004.10.13-16).
73. 齋藤 理一郎: “共鳴ラマン分光によるナノチューブの評価”, 学術振興会 117 委員会 (招待講演), 東工大百年記念館, (2004.9.17).
74. 齋藤 理一郎: “ラマン分光による炭素材料 (グラファイト, ナノチューブ) の評価”, 第 25 回炭素材料基礎講習会 (招待講演), 化学会館、お茶の水, (2004.10.29).
75. 齋藤 理一郎: “DNA を巻きつけたカーボンナノチューブ - 技術と応用への挑戦 -”, 物理学最前線 (招待講演), 東北大学理学研究科物理学専攻, (2004.11.12).
76. R. Saito, A. Gruneis, J. Jiang, G. Ge. Samsonidze, S. G. Chou, L. G. Cancado, A. Jorio, M. A. Pimenta, G. Dresselhaus, M. S. Dresselhaus: “Relaxation processes of photo-excited electron-hole pair and Raman intensity of graphite and single wall carbon nanotubes”, International symposium on nanocarbons 2004 (invited), Hotel Metropolitan Nagano, (2004.11.15-18).
77. 齋藤 理一郎: “単層カーボンナノチューブの光学的特性”, 第 28 回フラーレン・ナノチューブ総合シンポジウム, 3S-6 (特別講演), 名城大学 天白キャンパス, (2005.1.7-9).
78. 齋藤 理一郎: “ナノカーボンの共鳴ラマン分光と発光”, 第 3 回ナノカーボン研究会 (招待講演), 長野メトロポリタンホテル, (2005.3.2).
79. 齋藤 理一郎: “蛍光分光、ラマン分光はナノチューブの評価の決定打か? - part1”, 日本物理学会第 60 回年次大会 領域 7 シンポジウム (招待講演), 東京理科大学野田キャンパス, (2005.3.24-27).
80. 齋藤 理一郎: “金属カーボンナノチューブの特異な電子状態と物性”, 日本金属学会 2005 年春期 (第 136 回) 大会シンポジウム『エキゾチックな化合物の電子論と相安定性および物性～新機能材料としての可能性と今

- 後の展望〜』(基調講演), 横浜国立大学保土ヶ谷キャンパス, (2005.3.29).
81. 齋藤 理一郎: “カーボンナノチューブの物理学 (招待講演)”, 物理に夢中, 東北大学川内キャンパス, 仙台, (2005.5.13).
 82. 齋藤 理一郎: “カーボンナノチューブの共鳴ラマン分光と発光分光 (招待講演)”, 物性セミナー, 東京大学大学院理学系研究科物理, 東京, (2005.5.17).
 83. 齋藤 理一郎: “カーボンナノチューブの基礎と応用”, 物性談話会, 名古屋大学大学院工学研究科量子工学, 名古屋, (2005.6.9).
 84. 齋藤 理一郎: “カーボンナノチューブのラマン分光、蛍光分光による評価 (招待講演)”, CPC 研究会, 総評会館, お茶の水, 東京, (2005.6.17).
 85. R. Saito: “Raman and Photoluminescence intensity of single wall carbon nanotubes (invited)”, Nanotube lunch at the RLE House, MIT, Boston, USA, (2005.7.17).
 86. M. S. Dresselhaus, A. Jorio, R. Saito: “Carbon nanotube physics from Raman and photoluminescence processes (keynote)”, 1st Workshop on Nanotube Optics and Nanospectroscopy (WONTON 2005), Telluride Science Research Center, Telluride, Colorado, USA, (2005.7.17-20).
 87. R. Saito, K. Sato, Y. Oyama, J. Jiang, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “Optical response of carbon nanotubes (invited)”, 第54回 藤原セミナー, グランドホテルニュー王子, 苫小牧, (2005.9.1-9.4).
 88. R. Saito, K. Sato, Y. Oyama, J. Jiang, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “Optical properties of carbon nanotubes (invited)”, 5th NSF-MEXT international symposium on nano-technology, Stanford University, USA, (2005.9.12-9.15).
 89. 齋藤 理一郎: “ナノチューブ欠陥に起因するラマンスペクトル (招待講演)”, 領域10 シンポジウム: カーボンナノチューブの欠陥と物性, 日本物理学会 2005 年秋季大会, 同志社大学 京田辺キャンパス, (2005.9.19-22).
 90. 齋藤 理一郎: “「ナノチューブの科学」— ナノテクノロジーはシリコンから炭素へ— (招待講演)”, 平成基礎科学財団講演会, 楽しむ科学教室, 東京大学, (2005.10.22).
 91. 齋藤 理一郎: “カーボンナノチューブのラマン分光を主とした物性 (招待講演)”, カーボンナノチューブを利用した複合材の開発研究会, 愛知県科学技術交流財団, 名城大学, (2005.11.17).
 92. 齋藤 理一郎: “カーボンナノチューブの科学 (招待講演)”, 麗和セミナー, 埼玉県立浦和高等学校, 埼玉, (2005.12.16).
 93. R. Saito, J. Jiang, S. Roche, K. Sasaki, S. Murakami, K. Sato, Y. Oyama: “Magnetic properties of carbon nanotubes and nanographite (invited)”, International Workshop on High Magnetic Field Research, National Institute for Materials Science, Tsukuba, (2006.1.17-20).
 94. 齋藤 理一郎: “カーボンナノチューブの単分子分光と光励起電子の緩和機構 (招待講演)”, 平成18年春季応用物理学会シンポジウム「ナノサイエンスとしてのカーボンナノチューブ研究」, 武蔵工業大学, (2006.3.22).
 95. R. Saito, J. Jiang, J. S. Park, K. Sato: “Photoluminescence and resonance Raman intensity of single wall carbon nanotubes”, Symposium at HKUST (invited), HKUST, Hong Kong, (2006.4.11-14).
 96. R. Saito, J. Jiang, K. Sato, J. S. Park, A. Jorio, G. Ge. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: “Excitonic effect on resonance Raman spectroscopy of single wall carbon nanotubes (invited)”, Workshop of Foundations and Applications of Raman Spectroscopy, Fortaleza, Brazil, (2006.9.24-26).
 97. 齋藤 理一郎: “カーボンナノチューブの科学 (招待講演)”, 仙台第三高等学校理数科研修会および日本物理学会東北支部出前授業, エスポワール宮城 仙台, (2006.10.4).
 98. 齋藤 理一郎: “Excitonic states and resonance Raman spectroscopy of single wall carbon nanotubes (invited)”, HsunLee lecture, 中国科学院金属材料研究所, 瀋陽, 中国, (2006.10.25).
 99. 齋藤 理一郎: “ナノチューブの励起子と共鳴ラマンスペクトル (招待講演)”, 東京工業大学 COE21 量子ナノ物理学研究会「カーボンナノチューブの光学応答」, 東京工業大学百年記念館, (2007.3.22).
 100. 齋藤 理一郎: “カーボンナノチューブ (招待講演)”, 宮城野高等学校特別講座および日本物理学会東北支部出前授業, 宮城野高等学校 仙台, (2007.5.26).

101. R. Saito, J. Jiang, K. Sato, J. S. Park, G. Dresselhaus, M. S. Dresselhaus: “Exciton-phonon interaction and Raman intensity of carbon nanotubes (invited)”, 2nd Workshop on Nanotube Optics and Nanospectroscopy, Wonton 2007, Lord Elgin Hotel, Ottawa, Canada, (2007.6.4-7).
102. A. Jorio, P. T. Araujo, I. O. Maciel, P. B. C. Pesce, L. M. Moreira, M. A. Pimenta, M. S. Dresselhaus, J. Jiang, R. Saito, S. Tretiak, S. Doorn: “The optical transitions for single wall carbon nanotubes up to 4nm diameter (invited)”, 2nd Workshop on Nanotube Optics and Nanospectroscopy, Wonton 2007, Lord Elgin Hotel, Ottawa, Canada, (2007.6.4-7).
103. 齋藤 理一郎: “Exciton in single wall carbon nanotubes (invited)”, Semiconductor science and technology forum, 中国科学院半导体研究所, (2007.7.26).
104. R. Saito, K. Sato, J. Jiang, J. S. Park, W. Izumida, Y. Miyauchi, G. Dresselhaus, M. S. Dresselhaus: “Excitonic properties of single wall carbon nanotubes (invited)”, A3 Foresight Program (Meeting and Summer School) in Beijing, Tsinghua University, Beijing, China, (2007.7.25-29).
105. 齋藤 理一郎: “カーボンナノチューブの科学 (招待講演)”, 仙台第三高等学校理数科研修会および日本物理学会東北支部出前授業, 仙台第三高等学校 仙台, (2007.10.3).
106. 齋藤 理一郎: “カーボンナノチューブの励起子とラマン分光 (招待講演)”, Nano Structured Materials Seminar, 名古屋大学理学部, (2007.11.2).
107. R. Saito: “Excitonic properties of single wall carbon nanotubes (invited)”, YKIS 2007 “Interaction and Nanostructural Effects in Low-Dimensional Systems, Shiran Kaikan, Kyoto University, (2007.11.16).
108. 齋藤 理一郎: “カーボンナノチューブの科学 (招待講演)”, 第 45 回東北地区高等学校物理教育研究会, 仙台第二高等学校北陵館, (2007.12.16).
109. 齋藤 理一郎: “ナノチューブとグラフェン (招待講演)”, 第 20 回佐々木シンポジウム, 東京大学山上会館, (2007.12.21-22).
110. R. Saito: “Exciton and resonance Raman spectroscopy of single wall carbon nanotubes”, India-Japan Cooperative Science Programme: Recent Trends in Molecular Materials Research (invited), Hotel Smudra, Kovalam, Kerala, India, (2008.1.20-22).
111. 齋藤 理一郎, K. Sato, J.S. Park, K. Sasaki, G. Dresselhaus, M. S. Dresselhaus: “Excitonic properties and Raman spectroscopy of single wall carbon nanotubes (invited)”, International Carbon Nanotube Conference in NU, Nagoya University, Nagoya, (2008.2.14-15).
112. 齋藤 理一郎: “カーボンナノチューブの科学によるこそ - 円筒形物質の発見と使い方 - (招待講演)”, 第 33 回東北大学サイエンスカフェ, 仙台メディアテーク, 仙台, (2008.4.25).
113. 齋藤 理一郎: “カーボンナノチューブの世界 (招待講演)”, 宮城県高等学校理科研究会講演会, 青年文化センター, 仙台, (2008.5.9).
114. 齋藤 理一郎: “カーボンナノチューブのラマン分光による試料評価と最近の研究動向 (招待講演)”, カーボンナノ材料研究会, 大阪科学技術センター, 大阪, (2008.5.19).
115. R. Saito: “Carbon Nanotubes (Invited Talk)”, Nano Japan Program, 2008, 百年記念館 東工大 大岡山キャンパス 東京, (2008.5.22).
116. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (招待講演)”, 分子科学フォーラム, 自然科学研究機構 分子科学研究所 岡崎, (2008.6.11).
117. R. Saito, K. Sato, J. S. Park, K. Sasaki, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: “Dark and bright exciton energies of carbon nanotubes (keynote Lecture)”, Carbon 2008, Hotel Metropolitan Nagano, (2008.7.13-18).
118. 齋藤 理一郎: “ラマン分光を用いたナノカーボンの評価と応用 (招待講演)”, ATI 第 3 回合同研究会, メトロポリタン長野, (2008.10.31).
119. R. Saito, K. Sato: “Dark Excitons of Single Wall Carbon Nanotubes (invited)”, The 5th Japan-Korea Symposium on Carbon Nanotubes, Haeundae Grand Hotel, Busan, Korea, (2008.11.9-12).
120. R. Saito: “Edge states, Electron-phonon interaction and Raman spectroscopy of graphene and carbon nanotubes (invited talk)”, International Symposium on Graphene Devices, ISGD2008, Aizu University, (2008.11.17-19).

121. R. Saito: “Exciton states and phonon softening phenomena in single wall carbon Nanotubes (invited)”, International Winterschool on Electronic Properties of Novel Materials, Kirchberg, Austria, (2009.3.7-14).
122. 齋藤 理一郎: “物理学の世界 - カーボンナノチューブの世界 - (招待講演)”, 学問の世界, 宮城野高校, (2009.5.23).
123. R. Saito: “Welcome to Nanotube World (invited lecture)”, Seminar at Nano Japan Project 2009, Tokyo Sanuki Club, (2009.5.28).
124. R. Saito: “Exciton effect and phonon softening effect in the Raman spectroscopy of single wall carbon nanotubes (invited)”, 3rd workshop on nanotube optics and nanospectroscopy, WONTON09, Matsushima, Japan, (2009.6.7-6.10).
125. R. Saito: “Welcome to Nanotube World (invited)”, Tohoku University Summer Program, Tohoku University International Exchange Center, (2009.8.4).
126. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (招待講演)”, 岩手県教員免許状更新講習, 岩手県立総合教育センター, 花巻市, (2009.8.19).
127. R. Saito: “Exciton environmental effect on Raman spectroscopy of single wall carbon nanotubes”, 11th International Conference on Advanced Materials (ICAM 2009, invited), Rio de Janeiro, Brazil, (2009.9.20-25).
128. R. Saito: “Phonon softening phenomena in graphene and carbon nanotubes”, 2009 RIEC Cooperative Research Project on “Control and Elucidation of Growth Mechanism of Graphene for device applications in the next generation (invited)”, Research Institute of Electron Communications, Tohoku University, (2009.10.6).
129. R. Saito: “グラフェン・ナノカーボンのラマン分光”, 物性研短期研究会 (招待講演), 物性研究所、東京大学, (2009.10.22-24).
130. R. Saito: “Phonon softening effect and exciton environmental effect in Raman spectroscopy of single wall carbon nanotubes (invited)”, The 6th Korea-Japan symposium on carbon nanotubes (KJ6), Culture Resort Festone, Ginowan, Okinawa, (2009.10.25-28).
131. R. Saito: “Kohn anomaly effect in Raman spectroscopy of graphene and metallic single wall carbon nanotubes”, The DST/JSPS workshop on Physics and Chemistry of Graphene (invited), Bangalore, India, (2009.11.17-20).
132. R. Saito: “東北大学理学部, 大学院で活躍するための黄金率とカーボンナノチューブの世界 (招待講演)”, 平成 21 年度東北大学学部学科説明会, 仙台第一高校, (2009.12.4).
133. R. Saito: “Carbon Nanotubes; Physical properties and its applications”, Shanghai nanocarbon forum (invited), Shanghai Univ., (2009.12.7-8).
134. 齋藤 理一郎: “ナノチューブ、ナノカーボンの共鳴ラマン分光 (チュートリアル, invited)”, 第 38 回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2010.3.2-4).
135. R. Saito: “Welcome to Nanotube World (invited lecture)”, Seminar at Nano Japan Project 2009, Tokyo Sanuki Club, (2010.6.4).
136. 齋藤 理一郎: “ナノカーボン研究の展開 - グラフェンからナノチューブまで - (招待講演)”, 新世代研究所研究報告会, お茶の水, (2010.6.9).
- Optical properties of nanotubes and graphene (invited) 第 3 回東北大学光科学技術フォーラム 2010.6.16 電気通信研究所ナノ・スピン棟
137. R. Saito, A. R. T. Nugraha, K. Sato, A. Jorio, P. T. Araujo, G. Dresselhaus, M. S. Dresselhaus: “Exciton environmental effect of single wall carbon nanotubes (invited)”, Eleventh International Conference on the Science and Application of Nanotubes (NT10), Hilton Bonaventure, Montreal, Canada, (2010.6-27-7.2).
138. R. Saito: “Raman spectroscopy of graphene and single wall carbon nanotubes (invited)”, Nanocarbon Photonics and Optoelectronics, Koli, North Karelia, Finland, (2010.08.01-06).
139. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (招待講演)”, 岩手県教員免許状更新講習, 岩手県立総合教育センター, 花巻市, (2009.8.10).
140. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (招待講演)”, 出前講座『ユニバーサイエンス』2010, 青森県立三本木高等学校, 十和田市, 青森県, (2010.10.20).

141. R. Saito: “Characterization of graphene edge by Raman spectroscopy (invited)”, International Symposium on Graphene Devices (ISGD2010), Tohoku Univ. Sendai, (2010.10.27-29).
142. R. Saito: “Raman spectroscopy of graphene edge and carbon nanotubes (invited)”, A3 Symposium on Emerging Materials 2010: Nanocarbons and Nanowires for Energy, Core Riviera Hotel, Chonju, Korea, (2010.11.7-11).
143. 齋藤 理一郎: “カーボンナノチューブの世界によろこそ (招待講演)”, 情報工学専攻特別講義, 仙台高等専門学校、愛子, (2010.11.24).
144. R. Saito, A. R. T. Nugraha, K. Sato, K. Sasaki, P. T. Araujo, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “Exciton and phonon softening phenomena of carbon nanotubes and graphene (invited)”, 2010.12.15-20, (Hawaii Convention center, Hawaii, USA).
145. R. Saito, K. Sato, K. Sasaki, C. Cong, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Raman spectroscopy of graphene (invited)”, Graphene Workshop in Tsukuba, Okura Frontier Hotel, Tsukuba, (2011.1.17-18).
146. R. Saito, A. R. T. Nugraha, K. Sato, G. Dresselhaus, M. S. Dresselhaus: “Coherent Phonon Spectroscopy of Carbon nanotubes (invited)”, The 3rd Nano Carbon meeting, Advanced Technology Institution, Ochanomizu, (2011.1.21).
147. 齋藤 理一郎, A. R. T. Nugraha, K. Sato, K. Sasaki, C. Conxiao, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Raman and coherent phonon spectroscopy of nanotube and edge of graphene (invited)”, 4th Workshop on Nanotube optics and nanospectroscopy (Wonton’11), University of Bordeaux, Talence, France, (2011.5.29-6.1).
148. R. Saito, A. R. T. Nugraha, K. Sato, K. Sasaki, C. Conxiao, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Electron and phonon of graphene related materials (invited talk)”, Tutorial in 2011 International Conference on Solid State Devices and Materials (SSDM 2011), Nagoya University, Nagoya, (2011.9.27).
149. R. Saito: “Coherent phonon spectroscopy of single wall carbon nanotubes (invited talk)”, PIRE kick-off meeting, Rice University, USA, (2011.10.7).
150. R. Saito, A. R. T. Nugraha, K. Sato, K. Sasaki, C. Conxiao, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Raman and coherent phonon spectroscopy of nanotube and graphene (invited)”, 2011 A3 Symposium of Emerging Materials: Nanomaterials for energy and environments, Ruihao International Hotel, Urumqi, China, (2011.10.13-15).
151. R. Saito: “Raman spectroscopy of graphene (invited talk)”, Seminar at Key Laboratory for Anisotropy and Texture of Materials, North Eastern University(東北大学), ShenYang, China, (2011.11.2).
152. R. Saito: “Raman spectroscopy of graphene (invited talk)”, IMR Seminar, Institute of Metal Institute, ShenYang, China, (2011.11.2).
153. R. Saito, A. R. T. Nugraha, K. Sato, R. Endo: “Electron-phonon Interaction for Coherent Phonon Modes and Delay of Optical Pulse in Fibonacci Multi-layers (invited talk)”, International Symposium on Terahertz Nanoscience (TeraNano 2011), Nakanoshima Center, Osaka, (2011.11.24-25).
154. 齋藤 理一郎: “ナノカーボン研究 25 年とグラフェン研究の切り口 (招待講演)”, ATI 第 6 回合同研究会及び 25 周年記念会, 新世代研究所, (2011.12.9).
155. R. Saito: “Progress of Raman spectroscopy of carbon nanotubes (invited)”, Workshop on Carbon Nanotube in Commemoration of the 20th Anniversary of its Discovery (“2011-CNT20”), The International House of Japan, Tokyo, (2011.12.12-13).
156. 齋藤 理一郎: “カーボンナノチューブの世界によろこそ (招待講演)”, 東北活性化研究センター出前授業, 青森県立三沢高校, (2011.12.21).
157. 齋藤 理一郎: “単層カーボンナノチューブにおける電子ラマン分光スペクトル (招待講演)”, 新世代研究所 第 3 回ナノカーボン研究会, 福島県高湯温泉玉子湯, (2012.1.30-31).
158. R. Saito, K. Sato, K. Sasaki, C. Cong, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Raman spectroscopy of few-layered graphenes and their edges (Invited talk)”, JSPS/DST India-Japan SAympojium on Graphene, Tokyo Institute of Technology, (2012.2.29-3.2).
159. 齋藤 理一郎, 佐藤健太郎: “ラマン分光による複数層グラフェンの構造の決定 (招待講演)”, 通研共同プロジェ

- クト研究会「次世代デバイス応用を企図したグラフェン形成機構の解明及び制御の研究」, 東北大学電気通信研究所, (2012.2.23).
160. R. Saito: “Raman spectroscopy of double and triple layer graphene(invited)”, 2001 Material Research Society Spring meeting, Moscone West Convention Center, San Francisco, USA, (2012.4.9-13).
161. 齋藤 理一郎: “カーボンナノチューブの世界によろこそ(招待)”, 日本物理学会東北支部出前授業, 宮城県立宮城第一高等学校, (2012.5.28).
162. R. Saito: “Welcome to Nanotube World(invited)”, NSF Nano Japan Program, Sanuki Club, Tokyo, (2012.5.29).
163. R. Saito: “Raman spectroscopy of nanotube and graphene (invited talk)”, Department Seminar of Applied Physics, Aalto University, Nanotalo, Pumiehenkuja 2, Finland, (2012.6.7).
164. R. Saito: “Optical characterization of nanotube and graphene (invited)”, The 2nd Workshop on Nanoscience in Taiwan, Cheng Kung University, Tainan, Taiwan, (2012.7.4-7).
165. 齋藤 理一郎: “カーボンナノチューブの世界によろこそ(招待)”, 出前講座『ユニバーサイエンス』2012, 宮城県立名取北第一高等学校, (2012.7.13).
166. R. Saito, A. R. T. Nugraha, K. Sato, G. Sandaers, C. Stanton C. Conxiao, Y. Ting, G. Dresselhaus, M. S. Dresselhaus (invited lecture): “Raman and coherent phonon spectroscopy of nanotube and graphene”, The Third International Workshop on Nanocarbon Photonics and Optoelectronics, Huhmari, Polvijarvi, North Karelia, Finland, (2012.7.29-8.4).
167. 齋藤 理一郎: “ラマン分光によるナノカーボンの分析(招待講演・チュートリアル)”, 2012年秋季第73回応用物理学会学術講演会, 松山大学・愛媛大学, (2012.9.11).
168. R. Saito, K. Sato, A. R. T. Nugraha: “Optical properties of nanotubes and graphene (invited)”, 2012 A3 Symposium of Emerging Materials: Nanomaterials for Energy and Environments - ATI International Forum, Tohoku University, Sendai, Japan, (2012.10.29-31).
169. R. Saito: “Optical properties of carbon nanotubes and graphene (invited)”, 2012 MRS Fall meeting, Hynes Convention Center, Boston, USA, (2012.11.25-30).
170. 齋藤 理一郎: “グラフェンとカーボンナノチューブのラマン分光理論(招待講演)”, 日本物理学会第68回年次大会 領域7領域4合同シンポジウム, 広島大学, (2013.3.26-29).
171. R. Saito, K. Sato, H. Hasdeo, A. R. T. Nugraha: “Coherent phonon and Raman spectroscopy of single wall carbon nanotubes (invited)”, Building blocks for carbon-based electronics: from molecules to nanotubes, University of Regensburg, (2013.4.10-12).
172. R. Saito, H. Hasdeo, A. R. T. Nugraha: “Exciton effects on coherent phonon and electronic Raman spectroscopy of single wall carbon nanotubes (invited)”, 5th Workshop on Nanotube Optics and Nanospectroscopy, Eldorado Hotel, Santa Fe, NM, USA, (2013.6.16-20).
173. M. A. Pimenta, L. G. Moura, G. S. N. Eliel, S. D. Costa, C. Fantini, P. Venezuela, R. S. Ruoff, L. Colombo, R. Saito, Po-Wen Chiu, W. S. Bacsá, M. S. Strano: “Resonance Raman spectroscopy of single-chirality (n,m) carbon nanotubes and in twisted bilayer graphene (invited)”, 5th Workshop on Nanotube Optics and Nanospectroscopy, Eldorado Hotel, Santa Fe, NM, USA, (2013.6.16-20).
174. 齋藤 理一郎: “グラフェンと複合原子層系の動き(招待講演)”, (公財)新世代研究所第20回研究報告会, 御茶ノ水カンファレンスセンター, (2013.7.5).
175. R. Saito: “Welcome to Nanotube World (invited)”, Tohoku University Science Summer Projects, Tohoku University, (2013.7.10).
176. R. Saito, K. Sato, C. Qiu, T. Yu, P. Chiu, M. Pimenta, M. S. Dresselhaus: “Magneto Raman spectroscopy of single layer graphene and resonance Raman spectroscopy of twisted bilayer graphene (invited)”, 5th International Conference on Recent Progress in Graphene Research (ROGR 2013), Tokyo Institute of Technology, (2013.9.10).
177. R. Saito: “Raman spectroscopy in single and bilayer graphene (invited)”, Seminar at Institute Catala de Nanociencia i Nanotecnologia, ICN2 Building UAB, Barcelona, Spain, (2013.9.27).

178. R. Saito: “Raman spectroscopy in single-layer and twisted bilayer graphene (invited)”, IEEE Nanotechnology Materials and Devices Conference (NMDC 2013), Shangri-la Hotel, Tainan, Taiwan, (2013.10.7).
179. R. Saito, A. R. T. Nugraha, E. H. Hasdeo, K. Sato: “Raman spectroscopy of metallic single wall nanotubes and doped graphene (invited)”, 4th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Daemyung Resort, Jeju, Korea, (2013.11.10-14).
180. R. Saito: “Raman spectroscopy of graphene and nanotubes (invited)”, IAS/School of Science Joint Lecture, Hong Kong University of Science and Technology, HKUST, Hong Kong, (2014.3.17).
181. R. Saito, E. H. Hasdeo, K. Sato, H. H. Guo: “Raman spectroscopy of graphene and atomic layer materials (invited)”, RIEC symposium on Graphene, Tohoku University, (2014.6.11).
182. 齋藤 理一郎: “Graphene and Atomic Layer Semiconducting Materials (基調講演)”, 第 47 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 名古屋大学, (2014.9.3-5).
183. 齋藤 理一郎: “Graphene and beyond graphene: science of atomic layers (invited)”, 2014 年 第 75 回応用物理学会秋季学術講演会, 北海道大学札幌キャンパス, (2014.9.17-20).
184. R. Saito, A. R. T. Nugraha, E. H. Hasdeo, S. Siregar, M. S. Ukhtary: “Raman and coherent phonon spectroscopy of carbon nanotubes and graphene (invited)”, Materials Research Society of Indonesia Meeting 2014, Aston Denpasar Hotel and Convention Center, Bali, Indonesia, (2014.9.26-28).
185. R. Saito, E. H. Hasdeo, S. Siregar, H. Guo, T. Yang: “Raman spectra of Graphene and transition metal dichalcogenides (invited)”, The 5th A3 Symposium on Emerging Materials, Nankai University, China, (2014.10.19-21).
186. R. Saito, E. H. Hasde, K. Sato, S. Siregaar, H. H. Guo, T. Yang: “Raman spectroscopy of graphene and transition metal dichalcogenides atomic layer (invited)”, Physics and Chemistry of Atomic Films: Fundamental Science and Applications, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India, (2014.11.4-8).
187. R. Saito, E. H. Hasdeo, A. R. T. Nugraha, H. Guo, T. Yang, S. Siregar: “Raman spectroscopy of graphene and transition metal dichalcogenides (invited)”, 29th International Winterschool on Electronic Properties of Novel Materials: “Molecular nanostructures”, Kirchberg, Austria, (2015.3.7-14).
188. 齋藤 理一郎: “新しい原子層物質とその物性 (招待講演)”, 第 5 回フラーレン・ナノチューブ・グラフェンに関する若手研究会, 北九州国際会議場、小倉, (2015.9.6).
189. 齋藤 理一郎: “原子層科学の現状と応用に向けて (招待講演)”, 第 5 回ナノカーボン実用化推進研究会, 北九州国際会議場、小倉, (2015.9.10).
190. 齋藤 理一郎, M. S. Ukhtary, E. H. Hasdeo, A. R. T. Nugraha, C. Reynolds: “Tunable absorption of electromagnetic wave at graphene interface between two dielectric materials (invited)”, 6th RIEC-RLE meeting on research collaboration in photonics, Tohoku University, Sendai, (2015.10.26).
191. R. Saito: “Raman spectroscopy of Atomic layer materials (invited)”, 1st Japan-EU Workshop on Graphene and Related 2D Materials, Tohoku University, Tokyo Office, Tokyo, (2015.11.1).
192. R. Saito, Y. Tatsumi, A. R. T. Nugraha, E. H. Hasdeo, H. L. Liu, H. Guo, T. Yang: “Raman spectra of transition metal dichalcogenides and phosphorene (invited)”, 6th A3 symposium on Emerging Materials, Kyushu University, Fukuoka, (2015.11.9).
193. 齋藤 理一郎: “原子層科学 (グラフェン、2 次元物質) へようこそ (招待講演)”, 第 44 回薄膜・表面物理 基礎講座 (2015) 二次元層状物質の基礎物性と応用 (招待講演), 筑波大学東京キャンパス文京校舎, (2015.11.26).
194. 齋藤 理一郎: “カーボンナノチューブとグラフェンの世界へようこそ (招待講演)”, 出前授業 (1 日大学), 宮城県立仙台第二高等学校, (2015.12.10).
195. R. Saito, M. S. Uktahry, A. R. T. Nugraha, E. H. Hasdeo, C. Reynolds: “Tunable absorption of electromagnetic wave of graphene (invited)”, CEMS Topical meeting on Emergent 2D Materials, Riken, Wako, (2015.12.12).

196. R. Saito: “Tunable absorption of Tera-Hertz electromagnetic wave of graphene (invited)”, The International chemical congress of pacific Basin Societies 2015 (Pacifichem), Hawaii Convention Center, Hawaii, USA, (2015.12.15-20).
197. R. Saito: “Raman spectroscopy of atomic layer materials (invited)”, The 3rd Muju Winter school, Muju resort, Korea, (2016.1.17-20).
198. R. Saito, M. S. Ukhtary. C. Reynolds: “Tunable photo absorption of terahertz electromagnetic wave by double layer graphene (invited)”, Asia-Pacific Workshop (APW)-CEMS joint workshop, Highlights of modern condensed matter physics, Riken, Wako, (2016.1.25-27).
199. R. Saito, E. H. Hasdeo, Y. Tatsumi, A. R. T. Nugraha, H. Guo, T. Yang: “Raman spectroscopy of atomic layer materials (plenary talk)”, XXV International conference on Raman spectroscopy (ICORS 2016), Fortaleza, Brazil, (2016.8.14-19).
200. 齋藤 理一郎: “グラフェンと原子層科学 (招待講演)”, ポリマーフロンティア 21, カーボン材料の最前線 - グラフェンからカーボンファイバーまで, 東工大蔵前会館, 東京, (2016.9.2).
201. R. Saito, Y. Tatsumi, N. Sato: “Optical properties for circular polarized light in carbon nanotubes and transition metal dichalcogenides (invited)”, 7th A3 Symposium on Emerging Materials : Nanomaterials for Electronics, Energy and Environment, Lotte Buyeo Resort, Korea, (2016.10.30-11.3).
202. R. Saito, A. R. T. Nugraha, E. H. Hasdeo, Y. Tatsumi, N. T. Hung, N. Sato, M. S. Dresselhaus: “Thermoelectric power and circular dichroism of single wall carbon nanotubes (invited)”, International Symposium on Carbon Nanotube (CNT25), Kuramae-Kaikan, Tokyo Institute of Technology, (2016.11.15-18).
203. 齋藤 理一郎: “グラフェンと原子層物質の科学の現状と展望 (招待講演)”, 炭素材料学会 1 月セミナー, 化学会館, 東京お茶の水, (2017.1.20).
204. 齋藤 理一郎: “ナノチューブとグラフェンの世界にようこそ (招待講演)”, サイエンスカフェ, 表面科学会主催, 弘前大学, (2017.1.21).
205. R. Saito: “Thermoelectricity and THz optics of two dimensional materials (invited)”, EU Japan 2nd Workshop, Barcelona, Spain, (2017.5.6-8).
206. R. Saito: “Circular Dichroism of single wall carbon nanotubes (key note)”, 11th International Workshop on Metrology, Standardization and Industrial Quality of Nanotubes (MSIN17), Belo Horizonte, Brazil, (2017.6.30).
207. 齋藤 理一郎: “Mildred S. Dresselhaus 先生追悼講演 (特別講演)”, 第 53 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 京都大学, (2017.09.13-15).
208. R. Saito, M. Mizuno: “Diffusive and ballistic thermal conductivity of graphene (invited)”, The 8th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO), Suzhou, China, (2017.10.25-28).
209. R. Saito: “Controlling optical absorption of graphene in dielectric multilayers (invited)”, India-Japan symposium on Applications of Layered Materials: Advances and Perspective, Nagoya University, Nagoya, Japan, (2017.11.7-9).
210. R. Saito: “Early times of carbon nanotubes (invited)”, Celebrating Our Millie - The legacy and Impact of Mildred Dresselhaus, Room 10-250, Massachusetts Institute of Technology, USA, (2017.11.26).
211. R. Saito: “Controlling THz absorption of graphene in dielectric materials (invited)”, International Winterschool on Electronic Properties of Novel Materials (IWEPNM 2018), Kirchberg, Austria, (2017.3.20).
212. R. Saito, Y. Tatsumi, K. Ghalamkari: “Valley and pseudospin polarization in two-dimensional hexagonal lattice (keynote)”, Graphene 2018, Dresden, Germany, (2018.6.25-29).
213. R. Saito: “Conservation law of angular momentum in Raman spectroscopy using circularly polarized light (invited)”, 7th Workshop on Nanotube Optics and Nanospectroscopy, The Prince Hakone Lake Ashinoko, (2018.7.8-12).
214. R. Saito, Y. Tatsumi, K. Ghalamkari, T. Kaneko: “Conservation law of angular momentum in Raman spectra by circularly polarized light (invited)”, ATI Zao meeting, Yamagata Zao, (2018.8.1-2).

215. R. Saito, M. S. Ukhtary, M. Maruoka: “Enhancement of electric field for measuring optical response in two-dimensional materials (invited)”, The 9th Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Kyoto Univ. Uji Campus, (2018.10.29-31).
216. R. Saito: “Enhancement of electric field for measuring optical response in two-dimensional materials (invited)”, 3rd Japan-EU Flagship Workshop on Graphene and Related 2D materials, Tohoku Univ., Katahira Campus, (2018.10.19-21).
217. R. Saito: “Raman spectroscopy of two-dimensional materials (invited)”, Physics Colloquim of Zhejiang University, Zhejiang University, Hangzhou, China, (2019.3.22).
218. R. Saito: “Conservation law of angular momentum in helicity-changing Raman spectra (invited)”, The seventh Taiwan international symposium on Raman spectroscopy (TIRS), National Taiwan Normal University, Taipei, Taiwan, (2019.6.27-28).
219. R. Saito: “Raman spectroscopy of two-dimensional materials (invited)”, Taiwan association of Raman spectroscopy summer school (TARS), The Great Roots Forestry Spa Resort, Sanxia, New Taipei city, Taiwan, (2019.6.28-29).
220. R. Saito: “Controlling helicity of circularly polarized light in low-dimensional materials (invited)”, The 14th Symposium on Computational Challenges in Two-Dimensional Materials and Nanotubes (CCTN19), Congress Centrum Wuerzburg, Wuerzburg, Germany, (2017.07.21-26).
221. R. Saito: “Optical Properties of nanotubes and two-dimensional materials by using circularly polarized light (invited)”, The 57th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 57), Nagoya University, Nagoya, (2019.9.03-05).
222. R. Saito: “Tunable circular dichroism and valley polarization in two dimensional materials (invited)”, Recent progress in graphene and 2D materials research (RPGR2019), Kunibiki Messe, Matsue, (2019.10.6-10).
223. R. Saito: “Tunable spin-polarization, pseudo-spin-polarization, and valley-polarization in the two-dimensional materials (invited)”, The 10th A3 symposium on emerging materials: nanomaterials for electronics, energy and environment, Sungkyunkwan University, Korea, (2019.10.26-30).
224. R. Saito: “原子層材料における円偏光発光 (招待講演)”, 第 23 回 V B L シンポジウム, 名古屋大学, (2019.11.6-7).
225. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (出前授業)”, 秋田県立花輪高等学校大学模擬講義, 秋田県立花輪高等学校, (2019.11.13).
226. R. Saito: “Edge plasmon of two-dimensional materials (invited)”, The 4th Graphene Flagship EU-Japan Workshop on Graphene and related 2D materials, Palazzo della Carovana, Scuola Normale Superiore, Pisa, Italy, (2019.11.17-20).
227. R. Saito: “Helicity-changing Raman spectra in two-dimensional materials (Plenary)”, International symposium on physical properties for nano functional materials (ISNFM 2020), Liaoning Shihua University (on-line), (2020.7.4-5).
228. 齋藤 理一郎: “グラフェンと 2 次元物質の基礎と 2020 年代の重点課題 (招待講演)”, 2020 年第 81 回応用物理学会秋季学術講演会チュートリアル, Zoom による Online, (2020.9.8).
229. 齋藤 理一郎: “原子層物質における円偏光物性 (招待講演)”, 日本物理学会 2020 年秋季大会, シンポジウム『グラフェン物性科学の新展開』, Zoom による Online, (2020.9.10).
230. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (出前授業)”, 仙台市立仙台星陵中教育学校 一日大学, 仙台市立仙台星陵中教育学校, (2020.11.13).
231. R. Saito: “Optical properties of carbon nanotube and two-dimensional material (keynote)”, International Conference on the Science and Application of Nanotubes and Low-Dimensional Materials (NT21), On-line by Zoom, Rice University, (2021.6.6-11).
232. R. Saito: “30 years of Carbon Nanotubes with FNTG (invited)”, The 61st Fullerene Nanotube Graphene general symposium, On-line by Zoom, Osaka University, (2021.9.1-3).
233. 齋藤 理一郎: “ナノチューブ研究 30 年と展望 (招待講演)”, 日本物理学会 2021 年秋季大会, カーボンナノチューブ発見 30 周年記念シンポジウム, オンライン大会, (2021.9.20-23).

234. R. Saito: “31 years of research on carbon nanotubes (invited)”, 2022 Summer Meeting on Interdisciplinary Materials Science, Hanoi University of Science and Technology, Vietnam, (2022.7.19).
235. R. Saito, N. T. Hung, R. Natsui, Y. Nakanishi, Y. Miyata: “Raman spectra of In-intercalated WTe nanowires (invited)”, 12th A3 Symposium on Emerging Materials: Nanomaterials for Electronics, Energy, and Environment, Waseda University, Tokyo, (2022.11.7-9).
236. R. Saito: “Challenges of carbon nanotubes with Prof. Millie Dresselhaus and Prof. Gene Dresselhaus (keynote)”, Workshop in honor of Prof. Millie and Gene Dresselhaus & Celebrating the retirement of Prof. Riichiro Saito, 34-401, MIT, Boston, USA, (2023.2.20).
237. R. Saito: “Progress and Perspective of Carbon Nanotub (invited)”, The 64th Fullerenes-Nanotubes-Graphene General Symposium, Nagoya University, Nagoya, (2023.3.1-3).
238. 齋藤 理一郎: “カーボンナノチューブとともに (最終講義)”, 最終講義、物理学専攻、東北大学, Tohoku University, Sendai, (2023.3.10).
239. R. Saito: “Raman spectra and optical properties of nanotubes, TMD nanowire, and 2D materials (invited)”, Workshop on Nanomaterial, National Taiwan Normal University, Taipei, (2023.3.23).
240. R. Saito: “Five Challenges of Carbon Nanotubes (invited)”, Xinda lectures series, Pekin University, China, (2023.6.23).
241. R. Saito: “Five Challenges of Carbon Nanotubes (invited)”, Special workshop at IMR, Institute of Metal Research, ShenYang, China, (2023.6.27).
242. R. Saito: “Five Challenges of Carbon Nanotubes (invited)”, Lectures series to the graduate students, Liaoning Petrochemical University, Choshun, China, (2023.6.27).
243. 齋藤 理一郎: “グラフェンに関する 10 個のストーリー (invited)”, 物理学会講話, online, (2023.7.1).
244. 齋藤 理一郎: “低次元半導体物質の研究戦略ーナノチューブ、2次元物質ー (基調講演)”, 第 42 回電子材料シンポジウム, The Kashihara, 奈良県橿原市, (2023.10.11).
245. R. Saito: “Progress on Resonant Raman spectroscopy of 1D and 2D materials (invited)”, Seminar in N-Center, Sungkyunkwan University, N-Center, Sungkyunkwan University, Suwon, Korea, (2023.10.27).
246. 齋藤 理一郎: “BN チューブ内包カーボンナノチューブのラマン分光 (招待講演)”, ATI コンファレンス, Royal Hotel 八ヶ岳, 山梨県北杜市, (2023.11.13).
247. 齋藤 理一郎: “1次元2次元半導体物質の戦略とCVD (基調講演)”, 化学工学会 CVD 反応分科会 第 39 回シンポジウム, 62W 号館, 早稲田大学, (2023.11.14).
248. R. Saito: “30 years of Carbon Nanotubes (invited)”, Colloquium in National Taiwan University, National Taiwan University, Taipei, Taiwan, (2023.11.28).
249. R. Saito: “Ten stories of graphene (invited)”, Physics Colloquium in National Taiwan Normal University, National Taiwan Normal University, Taipei, Taiwan, (2023.11.29).
250. 齋藤 理一郎: “ナノチューブのらせん度に依存した光物性 (招待講演)”, 第 85 回応用物理学学会学術講演会, 朱鷺メッセ, 新潟, (2024.9.16-20).

IV 国際会議プロシーディングス等

1. R. Saito: “Orbital susceptibility of graphite intercalation compounds”, *Annales de Physique* 11, Colloque no.2 supplement au no.2, 189-198, (1986).
2. R. Saito: “Magnetic and optical properties associated with graphite interlayer bands”, Extended abstracts of the Symposium on Graphite Intercalation Compounds, 201-204, (1988).
3. H. Isshiki, H. Kobayashi, S. Yugo, R. Saito, T. Kimura, and T. Ikoma: Emission of the $1.54\mu\text{m}$ Er-related peaks by Impact Excitation of Er Atoms in InP and its characteristics, Proceedings of SPIE’s international Conference on Physical Concepts of Materials for Novel Optoelectronic Device Applications, Aachen **SPIE vol. 1361**, 223-227 (1990).
4. R. Saito, M. Fujita, G. Dresselhaus, and M. S. Dresselhaus: “Electronic properties of carbon fibers based on C_{60} ”, *Electrical, Optical and Magnetic Properties of Organic Solid State Materials*, MRS Symposia, Materials Research Society Press, Pittsburgh, PA, 333-336, (1992).

5. T. Kimura, H. Isshiki, H. Ishida, S. Yugo, R. Saito, and T. Ikoma: "Time-resolved study on the impact-excited $1.54\mu\text{m}$ emission of Er_{3+} ions in InP and its excitation and quenching mechanism", Extended Abstract of the 1992 International Conference on Solid State Devices and Materials, SSDM'92, The Japan Society of Applied Physics, 246-248, (1992).
6. S. Yamamura, T. Kimura, R. Saito, S. Yugo, M. Murata, and T. Kamiya: "The mechanism for the compositional disordering of InGaAs/InAlAs quantum well structures by silicon ion implantation and annealing", Proc. of the 20th International Symposium on Gallium Arsenide and Related Compounds, Germany, 91, (1993).
7. Implications of symmetry on the electronic structure and optical properties of C_{60} : "G. Dresselhaus, M. S. Dresselhaus, R. Saito, and P.C. Eklund", Extended abstracts of 21st Biennial Conference on Carbon, Buffalo (USA), edited by D.D.L. Chung, American Carbon Society, PA USA, 212-213, (1993).
8. G. Dresselhaus, R. Saito, and M. S. Dresselhaus: "Rotational Thermodynamics and Isotope Effect in C_{60} ", Proceedings of the Winter School on Fullerenes, ed. H. Kuzmany, Kirchberg Winter School, 157-161, (1994).
9. M. S. Dresselhaus, G. Dresselhaus, R. Saito, R. A. Jishi and P. Eklund: "Recent developments in the understanding of fullerenes and related materials", Proceedings of the 22nd International Conference of Physics on Semiconductors, ed. D. J. Lockwood, Vancouver, BC, August 15, 1994, 2049, (1994).
10. H. Horiguchi, T. Kinone, R. Saito, T. Kimura and T. Ikoma: Photoluminescence of erbium-diffused silicon, Mat. Res. Soc. Symp. Proc. **422**, 81-86 (1996).
11. T. Kimura, S. Yamamura, K. Suzuki, S. Yugo, R. Saito, M. Murata and T. Kamiya: Ion beam induced interdiffusion at InGaAs/InAlAs interfaces, Proceedings of the Ninth international conference on Ion Beam Modifications of Materials, Australia, 1995, 951-954 (1996).
12. T. Kimura, I. Hosokawa, Y. Nishida, T. Dejima, R. Saito, and T. Ikoma: Luminescence of rare earth doped porous silicon, Mat. Res. Soc. Symp. Proc. **422**, 149-154 (1996).
13. T. Kimura, Y. Nishida, T. Dejima, R. Saito, and H. Isshiki: Time decay characteristics of the Yb^{3+} -related $0.98\mu\text{m}$ emissions in porous silicon., Mat. Res. Soc. Symp. Proc. **486**, 293-298 (1998).
14. M. S. Dresselhaus, M. A. Pimenta, A. Marucci, M. J. Matthews, S. D. M. Brown, A. M. Rao, P. C. Eklund, G. Dresselhaus, R. Saito, and M. Endo: "Raman Scattering as a Characterization Tool for New Forms of Carbon", Extended Abstract of Internal Symposium on Carbon, Science and Technology for New Carbon, 94-95, (1998).
15. R. Saito, T. Ando and T. Nakanishi: "Berry's Phase of Carbon Nanotube and Graphite", Extended Abstract of Internal Symposium on Carbon, Science and Technology for New Carbon, 212-213, (1998).
16. R. Saito, M. Yagi, A. Tashiro and T. Kimura: "Li and F Doped Graphite Nanoclusters", Extended Abstract of Internal Symposium on Carbon, Science and Technology for New Carbon, 524-525, (1998).
17. R. Saito: "Electronic and Phonon Properties of Carbon Nanotubes", Proceedings of The 6th NIRIM International Symposium on Advanced Materials, 43-44, (1999).
18. R. Saito: "Quantum Properties of Carbon Nanotubes", Proc. of 5th International Conference on the Application of Diamond Films and Related Materials and 1st International Conference on Frontier Carbon Technology, ADC/FCT'99, Tukuba, Japan, August 31st - September 3rd, 198-203, (1999).
19. H. Kataura, Y. Maniwa, S. Masubushi, S. Kazama, X. Zhao, Y. Ando, Y. Ohtsuka, S. Suzuki, Y. Achiba and R. Saito: Bundle Effect of Single-Wall Carbon Nanotubes, XIVth International Winterschool Euroconference on Electronic Properties of Novel Materials, Kirchberg/Tirol, Austria, March 4th - 11th, 2000, in AIP Conference Proceedings **544**, 262-265 (2000).
20. M. A. Pimenta, A. M. Rao, H. M. Cheng, A. Jorio, M. Souza, M. S. S. Dantas, R. Saito, G. Dresselhaus and M. S. Dresselhaus: "Polarized Raman Scattering in Aligned Single-Walled and Multi-Walled Carbon Nanotubes", Proceedings of the Seventeenth International Conference on Raman Spectroscopy, Peking University, August 20-25, 2000, eds. Shu-Lin Zhang and Bang-fen Zhu, John Wiley & Sons, LTD, New York, 528-529, (2000).

21. R. Saito, A. Jorio, G. Dresselhaus, and M. S. Dresselhaus: Chirality Dependence of Raman Intensity for Carbon Nanotubes, Proceedings of the 25th International Conference on The Physics of Semiconductors, Osaka, September 2000, Eds. N. Miura and T. Ando, Springer Proceedings in Physics, Springer Berlin **87**, 1629-1630 (2000).
22. A. Jorio, S. D. M. Brown, G. Dresselhaus, M. S. Dresselhaus, M. A. Pimenta, R. Saito, A. M. Rao and K. Kneipp: Polarized Raman Spectra of Carbon Nanotubes, Nanotubes and Related Materials: MRS Symposium Proceedings, Boston, November 2000 **633**, A6.5 (2000).
23. A. Jorio, R. Saito, J. H. Hafner, C. M. Lieber, M. Hunter, T. McClure, G. Dresselhaus and M. S. Dresselhaus: Raman Scattering of Isolated Single Wall Carbon Nanotubes: (n, m) Determination, Internal Symposium on Nanonetwork Materials: Fullerenes, Nanotubes, and Related Systems (ISNM2001), Kamakura, Jan. 15-18th. 2001, in AIP Conference Proceedings **590**, 129-132 (2001).
24. R. Saito, A. Jorio, J. H. Hafner, C. M. Lieber, M. Hunter, T. McClure, G. Dresselhaus and M. S. Dresselhaus: Chirality Dependent G-band Raman Intensity of An Individual Single Wall Carbon Nanotube, Internal Symposium on Nanonetwork Materials: Fullerenes, Nanotubes, and Related Systems (ISNM2001), Kamakura, Jan. 15-18th. 2001 in AIP Conference Proceedings **590**, 185-188 (2001).
25. R. Saito, A. Jorio, A. G. Souza Filho, J. H. Hafner, C. M. Lieber, M. Hunter, T. McClure, M. A. Pimenta, A. M. Rao, G. Dresselhaus, M. S. Dresselhaus: Micro-Raman Spectroscopy of Isolated single Wall Carbon Nanotubes, Proceedings of the XV International Winter School on the Electronic Properties of Novel Materials, Kirchberg Winter School, Austria, Eds. H. Kuzmany, J. Fink, M. Mehring and S. Roth, in AIP Conference Proceedings **591**, 303-307 (2001).
26. A. Jorio, R. Saito, J. H. Hafner, C. M. Lieber, A. G. Souza Filho, M. A. Pimenta, F. M. Matinaga, M. S. S. Dantas, M. Hunter, T. McClure, G. Dresselhaus, M. S. Dresselhaus: Resonant Raman Scattering of Isolated single Wall Carbon Nanotubes: Structural (n, m) Determination and Resonant Window, Proceedings of the XV International Winter School on the Electronic Properties of Novel Materials, Kirchberg Winter School, Austria, Eds. H. Kuzmany, J. Fink, M. Mehring and S. Roth, in AIP Conference Proceedings **591**, 298-302 (2001).
27. F. Xinyu, H. Isshiki, R. Saito, T. Kimura, S. Yamamoto, C. Rongqiang: "Room temperature formation of thick SiO₂ layers by anodic oxidation of porous silicon", Extended Abstract of the 2002 International Conference on Solid State Devices and Materials, Nagoya, September 17-18th, 2002, 460-461, (2002).
28. A. G. Souza Filho, A. Jorio, G. Dresselhaus, M. S. Dresselhaus, A. K. Swan, M. S. Ünlü, B. B. Goldberg, J. H. Hafner, C. M. Lieber, M. A. Pimenta, R. Saito: "Dependence of the Second-order G' -band profile on the electronic structure of Single-wall nanotubes", Materials Research Society Press, Eds. O. Zhou and P. Ajayan, Pittsburgh, PA, (2002).
29. M. S. Dresselhaus, A. Jorio, A.G. Souza Filho, G. Dresselhaus, R. Saito, and M. A. Pimenta: "Raman spectra from one carbon nanotube", MRS symposium, Eds. O. Zhou and P. Ajayan Materials Research Society Press, Pittsburgh, PA, (2002).
30. A. Jorio, A.G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, A. K. Swan, M. S. Ünlü, B. B. Goldberg, M. A. Pimenta, J. H. Hafner, C. M. Lieber and R. Saito: "G-band Raman spectra of isolated single wall carbon nanotubes: diameter and chirality dependence", MRS symposium, Boston, November 26-30th, 2001, MRS symposium, Eds. O. Zhou and P. Ajayan Materials Research Society Press, (Pittsburgh, PA). 2002
31. R. Saito, A. Grueneis, L. G. Cancado, M. A. Pimenta, A. Jorio, A.G. Souza Filho, G. Dresselhaus, and M. S. Dresselhaus: "D-band Raman Spectra of Graphite and Single Wall Carbon Nanotubes", in MRS symposium, Eds. O. Zhou and P. Ajayan Materials Research Society Press, Pittsburgh, PA, (2002).
32. A. Jorio, A. G. Souza Filho, Ge. G. Samsonidze, M. A. Pimenta, G. Dresselhaus, R. Saito, M. S. Dresselhaus: "New Effect in the resonance Raman features in one-dimensional systems: isolated single-wall carbon nanotubes studies", Proceedings of the XVI International Winter School on the Electronic Properties of Novel Materials, Kirchberg Winter School, Austria,

- Eds. H. Kuzmany, J. Fink, M. Mehring and S. Roth, AIP Conference Proceedings, (2002).
33. Ge. G. Samsonidze, R. Saito, A. Jorio, A. G. Souza Filho, A. Grueneis, M. A. Pimenta, G. Dresselhaus, M. S. Dresselhaus: Anisotropy in the phonon dispersion relations of graphite and carbon nanotubes measured by Raman spectroscopy, Proceedings of Material Research Society **737**, F8.10 (2003).
 34. A. Grüneis, R. Saito, Ge. G. Samsonidze, M. A. Pimenta, A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus: Characterization of nanographite and carbon nanotubes by polarization dependent optical spectroscopy, Proceedings of Material Research Society **737**, F3.47 (2003).
 35. A. Jorio, M. A. Pimenta, A. G. Souza Filho, C. Fantini, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, R. Saito: Dispersive bands in graphite and carbon nanotubes, Proceedings of the XVI International Winter School on the Electronic Properties of Novel Materials, Eds. H. Kuzmany, J. Fink, M. Mehring, S. Roth, American Institute of Physics **685**, 177-180 (2003).
 36. M. A. Pimenta, A. Jorio, M. S. S. Dantas, C. Fantini, M. de Souza, L. G. Cançado, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, A. Grüneis, R. Saito, A. G. Souza Filho, Y. Kobayashi, K. Takai, K. Fukui, T. Enoki: Resonance Raman scattering in graphite and carbon nanotubes, Proceedings of the XVI International Winter School on the Electronic Properties of Novel Materials, Eds. H. Kuzmany, J. Fink, M. Mehring, S. Roth, American Institute of Physics **685**, 219-224 (2003).
 37. A. Grüneis, R. Saito, J. Jiang, L. G. Cançado, M. A. Pimenta, A. Jorio, C. Fantini, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, A. G. Souza-Filho: Electron phonon interaction and Raman intensities in graphite, Proceedings of the XVIII International Winterschool/Euroconference on the Electronic Properties of Novel Materials, Eds. H. Kuzmany, J. Fink, M. Mehring, S. Roth, American Institute of Physics **723**, 372-375 (2004).
 38. R. Saito, A. Grüneis, J. Jiang, A. Jorio, L. G. Cançado, C. Fantini, M. A. Pimenta, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, A. G. Souza-Filho: Double resonance Raman spectroscopy and optical properties of single wall carbon nanotubes, Proceedings of the XVIII International Winterschool/Euroconference on the Electronic Properties of Novel Materials, Eds. H. Kuzmany, J. Fink, M. Mehring, S. Roth, American Institute of Physics **723**, 407-412 (2004).
 39. A. Jorio, C. Fantini, M. de Souza, R. Saito, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, M. A. Pimenta: Raman on carbon nanotubes using a tunable laser and comparison with photoluminescence, Proceedings of the XVIII International Winterschool/Euroconference on the Electronic Properties of Novel Materials, Eds. H. Kuzmany, J. Fink, M. Mehring, S. Roth, American Institute of Physics **723**, 157-162 (2004).
 40. Ge. G. Samsonidze, R. Saito, J. Jiang, A. Grüneis, N. Kobayashi, A. Jorio, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus: Corrections to the Optical Transition Energies in Single-Wall Carbon Nanotubes of Smaller Diameters, Functional Carbon Nanotubes: MRS Symposium Proceedings, Boston, December 2004, Eds. D. L. Carroll, B. Weisman, S. Roth, A. Rubio, Materials Research Society Press, Warrendale, PA **858E**, HH7.2:1-6 (2005).
 41. A. Jorio, L. G. Cançado, B. R. A. Neves, M. Souza, C. Fantini, M. A. Pimenta, G. Medeiros-Ribeiro, Ge. G. Samsonidze, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus, A. M. Rao, A. Grüneis, R. Saito: Resonance Raman Spectroscopy to Study and Characterize Defects on Carbon Nanotubes and other Nano-Graphite Systems, Functional Carbon Nanotubes: MRS Symposium Proceedings, Boston, December 2004, Eds. D. L. Carroll, B. Weisman, S. Roth, A. Rubio, Materials Research Society Press, Warrendale, PA **858E**, HH11.2:1-6 (2005).
 42. A. Jorio, C. Fantini, L. G. Cançado, H. B. Ribeiro, A. P. Santos, C. A. Furutado, M. S. Dresselhaus, G. Dresselhaus, Ge. G. Samsonidze, A. Grüneis, J. Jiang, N. Kobayashi, R. Saito, M. A. Pimenta: Spectroscopy of small diameter single-wall carbon nanotubes, Proceedings of the XVIII International Winterschool/Euroconference on the Electronic Properties of Novel Materials, Eds. H. Kuzmany, J. Fink, M. Mehring, S. Roth, American Institute of Physics, Woodbury, NY **786**, 406-410 (2005).

43. C. Fantini, A. Jorio, M. Souza, R. Saito, Ge. G. Samsonidze, M. S. Dresselhaus M. A. Pimenta: Intermediate frequency Raman modes in metallic and semiconducting carbon nanotubes, Proceedings of the XVIII International Winterschool/Euroconference on the Electronic Properties of Novel Materials, Eds. H. Kuzmany, J. Fink, M. Mehring, S. Roth, American Institute of Physics **786**, 178-181 (2005).
44. M. S. Dresselhaus, Ge. G. Samsonidze, S. G. Chou, G. Dresselhaus, J. Jiang, R. Saito, A. Jorio: Recent advance in carbon nanotube photo-physics, in "Narrow gap semiconductors 2005", Eds. J. L. Kono and J. Léotin, Institute of Physics Conference Series **187**, 247-257 (2005).
45. A. G. Souza Filho, N. Kobayashi, J. Jiang, R. Saito, S. B. Cronin, J. Mendes Filho, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: Effect of strain on the resonant Raman profile of metallic carbon nanotubes, the Symposium R Proceedings, Material Research Society **901E**, 0901-Rb24-04.1 (2006).
46. R. Saito: Excitonic Properties of Single Wall Carbon Nanotubes, "Sub-10nm Wires and Layers", JSPS-KOSEF-NSFC A3 Foresight Program Lecture Note Series, Eds. S. Hasegawa, F. Komori, Y. Kuk, Q. K. Xue, U. of Tokyo, Proceedings of Summer School 2007 and Spring School 2008 **2**, 1-84 (2010).
47. G. D. Sanders, A. R. T. Nugraha, K. Sato, J.-H. Kim, Y.-S. Lim, J. Kono, R. Saito, C. J. Stanton: Coherent phonons in carbon based nanostructures, Proceedings of SPIE **9083**, 908309-1-8 (2014).
48. N. T. Hung, A. R. T. Nugraha, R. Saito: Size effect in thermoelectric power factor of nondegenerate and degenerate low-dimensional semiconductors, Materials Today: Proceedings **4**, 12368-12373 (2017).
3. 齋藤 理一郎: "イスラエル点描—第4回黒鉛層間化合物国際シンポジウムに参加して", 固体物理 **22**, pp. 847-852, (1987.10).
4. 齋藤 理一郎: "対称群を用いたハイゼンベルグモデルの厳密解", 物性研究 **46**, pp. 289-292, (1990.8).
5. 齋藤 理一郎: "Young 図形を用いた Spin の完全系", 物性研究 **47**, pp. 40-42, (1991).
6. 齋藤 理一郎: "ナノチューブの電子状態", 炭素 **158**, pp. 160-168, (1993).
7. 齋藤 理一郎: "フラーレン及びカーボンチューブの数学と電子構造", 固体物理 **28**, pp. 153-163, (1993).
8. 齋藤 理一郎: "カーボンナノチューブが拓く世界", 科学 **68**, pp. 661-669, (1998).
9. 齋藤 理一郎: "カーボンナノチューブ — 新材料としての価値 —", 化学工業 vol. 50 No. 1, pp. 34-41, (1999).
10. 齋藤 理一郎: "ナノチューブという名の微粒子", Bull. Cluster Sci. Tech, **2**, pp. 11-15, (1999).
11. 齋藤 理一郎: "ナノチューブの挑む技術", 真空 vol. 42, pp. 711-716, (1999).
12. 齋藤 理一郎: "カーボンナノチューブの物性と応用", 季刊フラーレン Vol. 7 No.4, pp. 147-167, (1999).
13. 齋藤 理一郎: "カーボンナノチューブの微細技術 — 量子輸送特性を中心に", 表面科学 Vol.21, pp.528-533, (2000).
14. 齋藤 理一郎: "カーボンナノチューブの概要と課題", 機能材料 Vol.21 No.5, pp.6-14, (2001).
15. 齋藤 理一郎: "カーボンナノチューブのマイクロラマン分光", 応用物理 Vol. 70, pp.1196-1199, (2001).
16. 齋藤 理一郎: "カーボンナノチューブの生成, 性質と応用", 材料科学 Vol.38 No.6, pp. 250-256, (2001).
17. 齋藤 理一郎: "カーボンナノチューブの弾性的性質", 複合材料学会誌 Vol.27 No.6, pp. 257-263, (2001).
18. 齋藤 理一郎: "カーボンナノチューブの電気化学的性質", 電気化学および工業物理化学 (電気化学会誌) Vol.70 No.4, pp. 279-283, (2002).
19. 齋藤 理一郎: "原子からつくった筒 — カーボンナノチューブ —", パリティ **11** 月号, pp. 4-10, (2002).
20. 齋藤 理一郎: "ナノカーボンの共鳴ラマン分光", 炭素 No. 205, 276-283, (2002).

V 解説

1. 齋藤 理一郎: "共役鎖状分子 (CH)_x に於けるパイロニック状態", 物性研究 **38-1**, pp. 42-44, (1982).
2. 齋藤 理一郎: "高ステージ黒鉛層間化合物の軌道帯磁率", 月刊フィジックス, **7** 巻, pp. 178-184, (1986.3).

21. 齋藤 理一郎: “ナノカーボンの電子状態計算入門”, 炭素 No. 207, 67-72, (2003).
22. 齋藤 理一郎: “ナノチューブが創る応用技術”, 産業新潮 Vol. 53, 23-25, (2004).
23. 齋藤 理一郎: “CNT の共鳴ラマン分光と発光分光”, 光技術コンタクト Vol. 44, 11-16, (2006).
24. 齋藤 理一郎: “ナノチューブの量子現象”, 表面科学 Vol. 27, 239-244, (2006).
25. 齋藤 理一郎: “カーボンナノチューブのラマン分光、蛍光分光による評価”, 炭素原料科学と材料設計 VIII, CPC 研究会, 14-24, (2006).
26. 齋藤 理一郎: “CNT(カーボンナノチューブ) のラマン分光”, 先端的概観検査技術に関する調査研究会報告書、(社)日本オプトメカニカトロニクス協会, 83-89, (2007).
27. 齋藤 理一郎: “ナノカーボン材料”, 電気学会誌 Vol. 127 No. 6, 340-343, (2007).
28. 齋藤 理一郎: “書評: 基礎の固体物理学”, 日本物理学会誌 Vol. 62 No. 10, 799-799, (2007).
29. 齋藤 理一郎: “カーボンナノチューブの科学”, 日本物理教育学会誌 Vol. 56 No. 4, 289-292, (2008).
30. 齋藤 理一郎: “ナノチューブ素子はどこまでできたか、どこまでできるのか?”, パリティ Vol. 24 No. 6, 14-26, (2009).
31. 齋藤 理一郎: “CNT とグラフェン研究の展開と焦点”, 応用物理 Vol 79 No. 10, 890-895, (2010).
32. 齋藤 理一郎: “物理っておもしろい? 苗の育て方、育ち方”, パリティ, Vol. 26 No. 5, (55-55). 2010
33. 齋藤 理一郎: “ナノチューブとグラフェンの材料比較”, 月刊ディスプレイ, 17, (57-62). 2011
34. 齋藤 理一郎: “科学の泉: ナノカーボンの世界 (1)-(6)”, 河北新報, 7月, (9日-14日). 2013
35. 齋藤 理一郎: “炭素材料からナノカーボンまで”, 化学と教育, 62, (4-7). 2014
36. 齋藤 理一郎: “単一キラリティカーボンナノチューブの合成に成功!”, 化学, 69, (46-50). 2014
37. 齋藤 理一郎: “ナノカーボン物理 – フラーレン、CNT、グラフェンそして原子層科学”, パリティ, 30, (12-14). 2015
38. 齋藤 理一郎: “究極に薄い物質を作る、という科学”, 東北大コラム, 仙台放送アプリ, (6月1日-5日). 2015
39. 齋藤 理一郎: ““Queen of Carbon” に東北大学名誉博士称号授与”, 応用物理, 85, (266). 2016
40. E. Endo, A. Jorio, M. A. Pimenta, R. Saito, A. G. Souza Filho, M. Terrones, D. Tomanek: “Mildred S. Dresselhaus”, Phys. Today, 70, (73-74). 2017
41. 齋藤 理一郎: “ナノカーボンの化学 - 21 世紀に入ってから の進展と展望 -”, 化学と教育, 66, (198-203). 2018
42. 齋藤 理一郎: “モアレ構造を持つ原子層物質”, 表面と真空, 61, (703). 2018
43. R. Saito: “To be positive or not to be positive: that is the question of magnetoresistance”, JPSJ News and Comments, 16, (03). 2019
44. R. Saito, A. Jorio: “A scientific remembrance of M. S. Dresselhaus”, Handbook of Carbon Nanomaterials, 10, (xiii-xv). 2019
45. 齋藤 理一郎: “2 次元材料の展望”, 化学と工業, 72, (332-334). 2019
46. 齋藤 理一郎: “グラフェン、ナノチューブ、2次元物質のデバイス”, 日本信頼性学会誌, 42, (215-221). 2020
47. 齋藤 理一郎: “C60・ナノチューブ研究の30年と今後の展望”, 金属学会 あたりあ, 60, (147-150). 2021
48. R. Saito, M. Endo, T. Enoki, J. C. Charlier, M. A. Pimenta, A. Jorio, A. G. Souza Filho, H. Terrones, J. Kong, M. Terrones: “Gene F. Dresselhaus, A Tribute from the Carbon journal”, Carbon, 187, (488-492). 2022
49. A. Jorio, R. Saito, J. Kong: “Gene Dresselhaus, Obituaries”, Physics Today, 75, (59). 2022

VI 地域限定雑誌

1. 齋藤 理一郎: “希土類原子の多重項の計算”, 分子科学研究所電子計算機センター・センターレポート No. 13, pp.213-214, (1992).
2. 齋藤 理一郎: “エレクトラとオーム”, 電気通信大学通報 1993-5-No.344, pp.14-19, (1993).
3. 齋藤 理一郎, 伊藤伸一: “希土類原子の多重項のスピン軌道及び配位子場分裂”, 分子科学研究所電子計算機センター・センターレポート No. 14, pp.195-196, (1993).

4. 伊藤伸一、齋藤 理一郎: “希土類原子の多重項の計算”, 分子科学研究所電子計算機センター・センターレポート No. 15, pp.161-162, (1994).
5. 伊藤伸一、齋藤 理一郎: “奇数個電子系の希土類イオンの電子状態”, 分子科学研究所電子計算機センター・センターレポート No. 16, pp.157-158, (1995).
6. 伊藤伸一、齋藤 理一郎: “奇数個電子系の希土類イオンの電子状態”, 分子科学研究所電子計算機センター・センターレポート No. 17, pp.155-156, (1996).
7. R. Saito, M. Nakadaira: “Parallelization of Molecular Dynamics Method”, Activity Report, Supercomputer Center, Institute for Solid State Physics, p.78, (1996).
8. 伊藤伸一、齋藤 理一郎: “奇数個電子系の希土類イオンの電子状態”, 分子科学研究所電子計算機センター・センターレポート No. 18, pp.161-162, (1997).
9. 伊藤伸一、齋藤 理一郎: “希土類原子の多重項のスピン軌道及び配位子場分裂”, 分子科学研究所電子計算機センター・センターレポート No. 19, p.145, (1998).
10. 齋藤 理一郎: “グラファイト微結晶へ Li 吸着機構”, カーボンアロイニュース, Vol. 2 No. 1, pp. 11-12, (1998).
11. R. Saito, R. Matsuo: “Electrical Conductance of Carbon Nanotube”, Activity Report, Supercomputer Center, Institute for Solid State Physics, p.86, (1998).
12. 齋藤 理一郎: “リスが木から落ちたとき”, 電気通信大学通報第 164 号, pp.12-13, (1999).
13. S. Roche and R. Saito: “Effects of Magnetic field and disorder on electronic properties of carbon nanotubes”, 物性研だより 第 38 巻 No. 5, pp. 29-30, (1999).
14. 齋藤 理一郎: “白い水仙の花”, 電気通信大学通報第 173 号, pp.8-10, (1999).
15. 齋藤 理一郎: “グラファイト微結晶での新機能探索”, カーボンアロイニュース, Vol. 3 No. 1, pp. 6-8, (1999).
16. 齋藤 理一郎: “ISIC10 の会議報告”, カーボンアロイニュース, Vol. 3 No. 1, pp. 17-18, (1999).
17. 齋藤 理一郎: “カーボンナノチューブ – 二十一世紀の新材料に向けて”, 麗和/浦和高校同窓会会報, 第 43 号, p.16, (2000).
18. 齋藤 理一郎: “ナノチューブの物理が拓く応用技術”, 泉菘会会報, 第 20 号, pp.19-21, (2004).

VII 学会口頭発表

1. 齋藤 理一郎, 上村 洗: “共役鎖状分子 (CH)_x におけるバイプロニック状態”, 日本物理学会分科会, 横浜国立大学, (1982 年 3 月).
2. 齋藤 理一郎, 上村 洗: “(CH)_x のバイプロニック状態と ESR spectrum”, 第 38 回日本物理学会年会, 中央大学, (1983 年 3 月).
3. 齋藤 理一郎, 大野隆央, 上村 洗: “GIC の軌道帯磁率”, 第 40 回日本物理学会年会, 九州大学, (1984 年 4 月).
4. 齋藤 理一郎, 上村 洗: “GIC の軌道帯磁率-ステージ依存性”, 日本物理学会分科会, 富山大学, (1984 年 10 月).
5. 齋藤 理一郎, 上村 洗: “(CH)_x のバイプロニック状態と ESR 線巾の理論”, 第 41 回日本物理学会年会, 青山学院大学, (1986 年 3 月).
6. 齋藤 理一郎, 塚田 捷, 小林功佳: “GIC の化学シフトの計算”, 第 41 回日本物理学会年会, 青山学院大学, (1986 年 3 月).
7. 白石賢二, 齋藤 理一郎, 島 信幸, 押山 淳, 中山隆史, 上村 洗: “Y-Ba-Cu-O 系の電子状態”, 第 42 回日本物理学会年会, 名古屋工業大学, (1987 年 3 月).
8. 齋藤 理一郎, 島 信幸, 上村 洗: “グラファイトの電子及び陽電子状態”, 第 42 回日本物理学会年会, 名古屋工業大学, (1987 年 3 月).
9. 畠山哲夫, 齋藤 理一郎, 上村 洗: “磁場中ペンローズ格子の電子状態”, 第 42 回日本物理学会年会, 名古屋工業大学, (1987 年 3 月).
10. H. Kamimura, S. Matsuno, and R. Saito: “The dz^2 hole pairing by interplay between Hund’s rule and superexchange and high T_c superconductivity”, 1988 APS March meeting, Bull. Am. Phys. Soc. 33 pp.331-331, New Orleans, U.S.A, (1988.3).
11. C. Fretigny, R. Saito, and H. Kamimura: “Theoretical study of graphite interlayer bands”, 1988 APS March meeting, Bull. Am. Phys. Soc. 33, pp.427-427, New Orleans, U.S.A, (1988.3).
12. C. Fretigny, 齋藤 理一郎, 上村 洗: “グラファイトインターレイヤーバンドの計算”, 第 43 回日本物理学会年会, 日大郡山, (1988 年 3 月).

13. 松野俊一, 齋藤 理一郎, 上村 洸: “ dz^2 ホール対による高温超伝導と T_c の導出”, 第 43 回日本物理学会年会, 日大郡山, (1988 年 3 月).
14. 齋藤 理一郎, 小林功佳, 塚田 捷, 上村 洸: “グラファイトの常磁性シフトの計算”, 第 44 回日本物理学会年会, 東海大学, (1989 年 3 月).
15. 江藤幹雄, 齋藤 理一郎, 上村 洸: “La-Cu-O 系における電子相関効果のシミュレーション”, 第 44 回日本物理学会年会, 東海大学, (1989 年 3 月).
16. 齋藤理一郎: “対称群を用いたハイゼンベルグモデルの厳密解”, 日本物理学会分科会, 鹿児島大学, (1989 年 10 月).
17. 齋藤理一郎: “ハイゼンベルグモデルにおける Marshall 対称性”, 第 45 回日本物理学会年会, 大阪大学, (1990 年 3 月).
18. 齋藤理一郎: “InP 中の Er の多重項と配位子場の計算”, 日本物理学会分科会, 岐阜大学, (1990 年 10 月).
19. 一色秀夫, 小林仁, 湯郷成美, 齋藤 理一郎, 木村忠正, 生駒俊明: “Er ドープ InP の電子衝突励起エレクトロルミネッセンス”, 秋季第 51 回応用物理学会, 岩手大学, (1990 年 10 月).
20. 小林仁, 一色秀夫, 湯郷成美, 齋藤 理一郎, 木村忠正, 生駒俊明: “III-V 族半導体中の Er 発光スペクトルへの V 族原子の影響”, 秋季第 51 回応用物理学会, 岩手大学, (1990 年 10 月).
21. 齋藤理一郎: “固体酸素の μ SR の理論”, 日本物理学会分科会, 学習院大学, (1991 年 3 月).
22. 伊藤伸一, 権平健一郎, 神原武志, 齋藤 理一郎: “CuO₂ 格子モデルによる誘電率の計算”, 日本物理学会分科会, 学習院大学, (1991 年 3 月).
23. 一色秀夫, 小林仁, 湯郷成美, 齋藤 理一郎, 木村忠正, 生駒俊明: “Er ドープ InP の電子衝突励起エレクトロルミネッセンス (II)”, 春季第 38 回応用物理学関係連合講演会, (1991 年 3 月).
24. 齋藤 理一郎, 木村忠正: “III-V 化合物半導体中の希土類原子の一電子状態”, 第 45 回日本物理学会年会, 北海道大学, (1991 年 9 月).
25. 伊藤伸一, 齋藤 理一郎, 木村忠正: “Gauss 型軌道を用いた, Er の多重項の計算”, 第 45 回日本物理学会年会, 北海道大学, (1991 年 9 月).
26. 山村真一, 今井拓也, 湯郷成美, 齋藤 理一郎, 木村忠正, 神谷武志: “B イオン打込みをした InGaAs の深い準”, 秋季第 52 回応用物理学会, 岡山大学, (1991 年 10 月).
27. 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正, 生駒俊明: “Er ドープ InP における 4f 内殻遷移発光の電子衝突励起スペクトル”, 秋季第 52 回応用物理学会, 岡山大学, (1991 年 10 月).
28. 一色秀夫, 齋藤 理一郎, 木村忠正, 生駒俊明: “InP にドープした Er³⁺ イオンの電子衝突励起発光と発光素子への可能性”, 電気通信学会, 電子デバイス研究会, ED91-120/CPM91-91, p.25, (1991 年 11 月).
29. R. Saito, M. Fujita, G. Dresselhaus, and M. S. Dresselhaus: “Electronic structure of carbon fiber based on C₆₀”, 1992 APS March meeting, Indianapolis, U.S.A, (1992, March).
30. 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正, 生駒俊明: “InP 中の Er³⁺ イオンの EL 発光における発光効率の評価”, 春季第 39 回応用物理学関係連合講演会, 岡山大学, (1992 年 3 月).
31. 齋藤 理一郎, 藤田光孝, G. Dresselhaus, M.S. Dresselhaus: “Graphite Tubule の電子構造”, 日本物理学会分科会 (招待講演, 分子性固体・液晶・有機導体・イオン結晶・光物性合同シンポジウム), 東京大学, (1992 年 9 月).
32. 齋藤 理一郎, M. S. Dresselhaus and G. Dresselhaus: “Electronic Multiplets in icosahedral fullerenes”, 1992 Fall meeting, Material Research Society, Boston, USA, (December, 1992).
33. 齋藤 理一郎, G. Dresselhaus, and M. S. Dresselhaus: “C₆₀ イオンの多重項の計算と光選択則”, 第 4 回 C₆₀ 総合シンポジウム (日本化学会 C₆₀ 研究会), 豊橋ホリデイイン, (1993 年 1 月).
34. 齋藤 理一郎, G. Dresselhaus, and M.S. Dresselhaus: “C₆₀ イオンの多重項と光選択則”, 第 48 回日本物理学会年会, 東北大学, (1993 年 3 月).
35. 伊藤伸一, 齋藤 理一郎, 木村忠正, 藪下聡: “分子軌道法による Tm³⁺ の多重項の計算”, 第 48 回日本物理学会年会, 東北大学, (1993 年 3 月).
36. 山村真一, 鳥井原慎也, 齋藤 理一郎, 湯郷成美, 木村忠正, 神谷武志: “InGaAs/InAlAs 系 SQW の Si イオン打ち込みによる混晶化”, 春季第 40 回応用物理学関係連合講演会, 青山学院大学, (1993 年 3 月).

37. 木村忠正、石田洋之、湯郷成美、齋藤 理一郎、一色秀夫、生駒俊明: “半導体中の Er イオンの EL 及び PL 蛍光寿命と励起発光メカニズム”, 春季第 40 回応用物理学関係連合講演会, 青山学院大学, (1993 年 3 月).
38. R. Saito, G. Dresselhaus, and M.S. Dresselhaus: “Multiplet Structures of Fullerenes”, 第 5 回 C₆₀ 総合シンポジウム (日本化学会 C₆₀ 研究会), 都立大学, (1993 年 8 月).
39. 山村 真一, 齋藤 理一郎, 湯郷 成美, 木村 忠正, 神谷 武志: “InGaAs/InAlAs 系 SQW の Si イオン打ち込みによる混晶化 (II)”, 第 54 回応用物理学学会学術講演会, 北海道大学, (1993 年 9 月).
40. 鈴木 和久, 山村 真一, 齋藤 理一郎, 湯郷 成美, 木村 忠正, 神谷 武志: “InGaAs/InAlAs 系 SQW の B イオン打ち込みによる混晶化 (II)”, 第 54 回応用物理学学会学術講演会, 北海道大学, (1993 年 9 月).
41. 齋藤 理一郎: “C₆₀ の固体相転移のモデル”, 科研費・重点領域研究「炭素クラスター」研究会, 東京大学・山上会館, (1993 年 12 月).
42. 齋藤 理一郎: “C₆₀ 同位体の振動回転における対称性”, 科研費・重点領域研究「炭素クラスター」研究会, 東京大学・山上会館, (1993 年 12 月).
43. 篠原 康也, 齋藤 理一郎: “C₇₀ イオンの振動準位及び励起スペクトルの計算”, 科研費・重点領域研究「炭素クラスター」研究会, 東京大学・山上会館, (1993 年 12 月).
44. R. Saito, G. Dresselhaus, and M.S. Dresselhaus: “C₆₀ の固体相転移の理論”, 第 6 回 C₆₀ 総合シンポジウム (日本化学会 C₆₀ 研究会), 東京ガーデンパレス, (1994 年 1 月).
45. 篠原 康也, 齋藤 理一郎: “C₇₀ 振動構造の計算”, 第 6 回 C₆₀ 総合シンポジウム (日本化学会 C₆₀ 研究会), 東京ガーデンパレス, (1994 年 1 月).
46. 吉田和宣, 齋藤雅浩, 山村真一, 齋藤 理一郎, 湯郷成美, 木村忠正, 神谷武志: “SQW への Al の選択イオン打ち込みによる細線構造作製”, 春季第 41 回応用物理学関係連合講演会, 明治大学, (1994 年 3 月).
47. 横井 照典, 堀口 久和, 池田 鯉雄, 湯郷 成美, 齋藤 理一郎, 木村忠正, 生駒 俊明, 佐藤 倬暢: “ポーラスシリコンへの電気化学法によるエルビウムのドーピング”, 春季第 41 回応用物理学関係連合講演会, 明治大学, (1994 年 3 月).
48. 堀口久和, 横井照典, 湯郷成美, 齋藤 理一郎, 木村忠正, 生駒俊明: “Si 中への Er の Al 促進熱拡散とフォトルミネセンス特性”, 春季第 41 回応用物理学関係連合講演会, 明治大学, (1994 年 3 月).
49. 池田 鯉雄, 横井 照典, 堀口 久和, 湯郷 成美, 齋藤 理一郎, 木村 忠正, 生駒 俊明: “エルビウムドーブポーラスシリコンの可視発光の熱的安定性”, 春季第 41 回応用物理学関係連合講演会, 明治大学, (1994 年 3 月).
50. R. Saito, G. Dresselhaus, and M.S. Dresselhaus: “C₆₀ 分子の回転・振動準位の同位体効果”, 第 7 回 C₆₀ 総合シンポジウム (日本化学会 C₆₀ 研究会), ルブラ王山 (名古屋市), (1994 年 8 月).
51. 齋藤 理一郎: “フラーレン結晶の分子回転とガラス転移”, 第 32 回茅コンファレンス「新しい炭素の科学」(日本学術振興会), 能登ロイヤルホテル (招待講演), 石川県羽咋郡志賀町, (1994 年 8 月).
52. 齋藤 理一郎, G. Dresselhaus, and M.S. Dresselhaus: “¹²C₆₀ と ¹³C₆₀ の回転準位と比熱”, 日本物理学会 1994 年秋の分科会, 静岡大学, (1994 年 9 月).
53. 堀口 久和, 横井 照典, 湯郷 成美, 齋藤 理一郎, 木村 忠正: “Si 中への Al 促進熱拡散とフォトルミネセンス特性 II”, 第 55 回応用物理学学会学術講演会, 名城大学, (1994 年 9 月).
54. 横井 照典, 堀口 久和, 池田 鯉雄, 細川 生人, 湯郷 成美, 齋藤 理一郎, 木村 忠正, 佐藤 倬暢: “ポーラスシリコン中のエルビウムの蛍光寿命の測定”, 第 55 回応用物理学学会学術講演会, 名城大学, (1994 年 9 月).
55. 齋藤 理一郎, G. Dresselhaus, and M.S. Dresselhaus: “カーボンチューブの磁場中のエネルギーバンド”, 重点領域研究「フラーレン結晶および化合物の物性」第 2 回研究会, 東京大学物性研究所, (1994 年 11 月).
56. 齋藤 理一郎, G. Dresselhaus, and M.S. Dresselhaus: “カーボンチューブの強磁場下のエネルギーバンド”, 第 8 回フラーレン総合シンポジウム, 京都リサーチパーク, (1995 年 1 月).
57. Energy Bands of Carbon Nanotubes in High Magnetic Fields: “R. Saito, M. S. Dresselhaus, and G. Dresselhaus”, 1995 APS March meeting, San Jose, U.S.A, 1995, (Bull. Am. Phys. Soc.).
58. 齋藤 理一郎, 矢田部広利, 木村 忠正, G. Dresselhaus, and M.S. Dresselhaus: “C₆₀ 分子クラスターの結晶と

- 異なる配位”, 日本物理学会 1995 年年会, 神奈川大学, (1995 年 3 月).
59. 齋藤 理一郎: “ナノチューブの螺旋対称性と物性”, 日本物理学会 1995 年年会(招待講演, 分子性固体・液晶・有機導体シンポジウム), 神奈川大学, (1995 年 3 月).
60. 齋藤 雅浩, 舘 聡史, 清水 優, 齋藤 理一郎, 木村 忠正, 村田 道夫, 神谷 武志: “Al イオン打ち込みによる InGaAs/InAlAs 系 SQW の混晶化”, 春季第 42 回応用物理学関係連合講演会, 東海大学, (1995 年 3 月).
61. 堀口久和, 横井照典, 湯郷成美, 齋藤 理一郎, 木村忠正, 生駒俊明: “Si, Al₂O₃ 基板へ熱拡散した Er のフォトルミネセンス特性”, 春季第 42 回応用物理学関係連合講演会, 東海大学, (1995 年 3 月).
62. 木村忠正, 横井照典, 堀口久和, 西田康宏, 湯郷成美, 齋藤 理一郎, 生駒俊明: “Yb ドープポーラスシリコンのフォトルミネセンス”, 春季第 42 回応用物理学関係連合講演会, 東海大学, (1995 年 3 月).
63. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: “Energy bands of carbon nanotubes in high magnetic fields”, Symposium of fullerenes, fullerene-polymer composites, carbon nanotubes and their applications, 1995 spring meeting, Material Research Society, San Francisco (USA), (1995.4.17-21).
64. 中平 政男, 齋藤 理一郎, G. Dresselhaus, and M.S. Dresselhaus: “Li_xC₆₀ の電子状態”, 第 9 回フラーレン総合シンポジウム, パシヒコ横浜, (1995 年 7 月).
65. 西田 康宏, 池田 鯉雄, 細川 生人, 出島 徹, 木村 忠正, 齋藤 理一郎, 湯郷成美, 生駒 俊明: “Yb ドープポーラスシリコンの発光のアニール条件依存性”, 秋季第 56 回応用物理学会学術講演会, 金沢工業大学, (1995 年 8 月).
66. 出島 徹, 池田 鯉雄, 細川 生人, 西田 康宏, 湯郷成美, 齋藤 理一郎, 生駒俊明: “Er ドープポーラスシリコンの XPS 測定”, 秋季第 56 回応用物理学会学術講演会, 金沢工業大学, (1995 年 8 月).
67. 細川 生人, 西田 康宏, 池田 鯉雄, 出島 徹, 湯郷成美, 齋藤 理一郎, 木村 忠正, 佐藤 倬暢, 生駒俊明: “ポーラスシリコン中のエルビウムの蛍光寿命の測定 (2)”, 秋季第 56 回応用物理学会学術講演会, 金沢工業大学, (1995 年 8 月).
68. 齋藤 理一郎, G. Dresselhaus, M. S. Dresselhaus: “ナノチューブの接続規則とジャンクションでの電気伝導”, 「フラーレン結晶および化合物の物性」第 3 回研究会, 学士会館分館, (1995 年 11 月).
69. 齋藤 理一郎, G. Dresselhaus, and M.S. Dresselhaus: “2 種類のチューブの接続条件と電流特性”, 第 10 回フラーレン総合シンポジウム, サイエンスコア (豊橋), (1996 年 1 月).
70. 齋藤 理一郎: “カーボンナノチューブの構造と物性”, 科学研究費総合 (A) 「電子励起による新物質相の理論的探索と統一モデル」第 1 回研究会, 箱根山のホテル, (1996 年 2 月).
71. 齋藤 理一郎: “カーボンナノチューブの立体構造と電子状態”, 新炭素材料研究会 (平成 7 年度学術振興会産学共同研究支援事業研究会), (招待講演) 基礎化学研究所, 京都, (1996 年 3 月).
72. 齋藤 理一郎, G. Dresselhaus, and M.S. Dresselhaus: “Electrical conductivity of a semiconductor-metal junction of carbon nanotube”, 1996 APS March meeting, St Louis, U.S.A., Bull. Am. Phys. Soc. 41, 1996, (pp.386-386).
73. 齋藤 理一郎, G. Dresselhaus, and M.S. Dresselhaus: “カーボンチューブの接合条件と電子構造”, 第 51 回物理学会年会, 金沢大学, (1996 年 4 月).
74. H. Horiguchi, R. Saito, and T. Kimura: “Photoluminescence of Erbium-Diffused Silicon”, Symposium of Rare Earth Doped Semiconductors II, 1996 spring meeting, Material Research Society, San Francisco, USA, (1996.4.8-12).
75. R. Saito: “Electrical Conductance of Metal-Semiconductor Nanotube Junction”, (Invited Paper) International Symposium on Fullerene Chemistry, Jerusalem Israel, (1996.5.5-10).
76. M.S. Dresselhaus, G. Dresselhaus, R. Saito, R.A. Jishi, P.C. Eklund: “Electrons and Phonons in Carbon Nanotubes”, (Invited Paper) International Symposium on Fullerene Chemistry, Jerusalem Israel, (1996.5.5-10).
77. 出島 徹, 西田 康宏, 土田 晴江, 菅野 仙子, 木根 智也, 湯郷成美, 齋藤 理一郎, 木村 忠正, 生駒俊明: “Er ドープポーラスシリコンの水素プラズマアニール”, 秋季第 57 回応用物理学会学術講演会, 九州産業大学, (1996 年 9 月).
78. 清水 優, 高橋 雅也, 齋藤 理一郎, 山口 浩一, 木村 忠正, 神谷 武志: “InGaAs/GaAs 歪み量子井戸構造における

- 相互拡散”, 秋季第 57 回応用物理学学会学術講演会, 九州産業大学, (1996 年 9 月).
79. 菅野 仙子, 西田康宏, 出島 徹, 土田 晴江, 湯郷成美, 齋藤 理一郎, 木村 忠正, 生駒俊明: “Nd ドープポーラスシリコンのフォトルミネッセンス”, 秋季第 57 回応用物理学学会学術講演会, 九州産業大学, (1996 年 9 月).
80. 土田 晴江, 池田鯉雄, 出島 徹, 湯郷 成美, 齋藤 理一郎, 木村 忠正, 生駒 俊明: “Er ドープポーラスシリコンのエレクトロルミネッセンス”, 秋季第 57 回応用物理学学会学術講演会, 九州産業大学, (1996 年 9 月).
81. 中平 政男, 齋藤 理一郎, 木村 忠正, G. Dresselhaus, and M.S.Dresselhaus: “グラファイト微小結晶における Li イオンの過剰吸着の機構”, 日本物理学会分科会, 山口大学, (1996 年 10 月).
82. 齋藤 理一郎, 中平 政男, G. Dresselhaus, and M.S.Dresselhaus: “Graphite 微結晶における Li の過剰吸着”, 科研費基盤研究 B 「ナノメーター多面体分子と結晶の物性」研究会, 箱根 強羅 「静雲荘」, (1996 年 11 月).
83. 齋藤 理一郎: “Graphite Cluster 上の Li 過剰吸着”, 科研費基盤研究 A 「電子励起による新物質相の理論的探索と統一モデル」研究会, 岡山県、電通共済「クリスプ 300」, (1996 年 11 月).
84. 竹谷 隆夫, 齋藤 理一郎, 木村 忠正, G. Dresselhaus, and M.S.Dresselhaus: “カーボンナノチューブのラマン強度”, 第 12 回 フラーレン 総合 シンポジウム, 東京都江東区文化センター, (1997 年 1 月).
85. 中平 政男, 齋藤 理一郎, 木村 忠正, G. Dresselhaus, and M.S.Dresselhaus: “グラファイト・ナノクラスターの Li の過剰吸着”, 第 12 回 フラーレン 総合 シンポジウム, 東京都江東区文化センター, (1997 年 1 月).
86. 齋藤 理一郎, T. Takeya, G. Dresselhaus, and M.S. Dresselhaus: “Raman Intensity of Carbon Nanotubes”, 1997 APS March meeting, Kansas City, U.S.A., Bull. Am. Phys. Soc. 42, 1997, (pp.326-326).
87. 清水優, 高橋雅也, 齋藤 理一郎, 木村 忠正, 神谷 武志: “InGaAs/GaAs 歪み量子井戸構造における相互拡散”, 春季第 44 回応用物理学関係連合講演会, 日本大学, (1997 年 3 月).
88. 西田康宏, 出島 徹, 土田晴江, 菅野仙子, 木村忠正, 湯郷成美, 齋藤 理一郎, 生駒俊明: “Yb ドープポーラスシリコンの蛍光寿命の測定”, 春季第 44 回応用物理学関係連合講演会, 日本大学, (1997 年 3 月).
89. 出島 徹, 西田康宏, 土田晴江, 菅野仙子, 三角 晃, 湯郷成美, 齋藤 理一郎, 木村忠正, 生駒俊明: “Er ドープポーラスシリコンの水素プラズマアニールの効果”, 春季第 44 回応用物理学関係連合講演会, 日本大学, (1997 年 3 月).
90. 中平政男, 齋藤 理一郎, 木村忠正, G. Dresselhaus, M.S. Dresselhaus: “グラファイトクラスターのラマン強度”, 日本物理学会第 52 回年会, 名城大学, (1997 年 3 月).
91. 竹谷 隆夫, 齋藤 理一郎, 木村 忠正, G. Dresselhaus, M. S. Dresselhaus: “カーボンナノチューブのラマン強度”, 第 52 回日本物理学会年会, 名城大学, (1997 年 3 月).
92. R. Saito: “Raman Spectra of Carbon Nanotubes and Graphite Nanoclusters”, (Invited Paper) 1997 Science of Carbon Nanotubes Workshop, Lexington, Kentucky, USA, (1997.7.10-11).
93. 出島 徹, 菅野仙子, 王威, 中ノ瀬貴生, 山下裕, 湯郷成美, 齋藤 理一郎, 木村忠正: “Er ドープポーラスシリコンの発光への水素の効果”, 秋季第 58 回応用物理学学会学術講演会, 秋田大学, (1997 年 10 月).
94. 棚谷公彦, 一色秀夫, 高橋雅也, 齋藤 理一郎, 木村忠正, 青柳克信, 菅野卓雄: “GaAs/GaP 一次元フラクタル超格子構造の物性評価”, 秋季第 58 回応用物理学学会学術講演会, 秋田大学, (1997 年 10 月).
95. 菅野仙子, 出島 徹, 王威, 中ノ瀬貴生, 山下裕, 湯郷成美, 齋藤 理一郎, 木村忠正: “Nd ドープポーラスシリコンのフォトルミネッセンス II”, 秋季第 58 回応用物理学学会学術講演会, 秋田大学, (1997 年 10 月).
96. 高橋雅也, 棚谷公彦, 齋藤 理一郎, 一色秀夫, 木村忠正, 青柳克信, 菅野卓雄: “(GaAs)_n(GaP)₁ 原子層超格子構造を用いた As と P の相互拡散の評価”, 秋季第 58 回応用物理学学会学術講演会, 秋田大学, (1997 年 10 月).
97. 竹谷 隆夫, 齋藤 理一郎, 木村忠正, G. Dresselhaus, M. S. Dresselhaus: “カーボンナノチューブのラマン強度の半径依存性”, 日本物理学会 1997 年分科会, 神戸大学, (1997 年 10 月).
98. 齋藤 理一郎: “Phonon structure and Raman spectra of single-wall carbon nanotubes”, JSPS Research of the Future Project ” Fullerenes and Nanotubes ”, 立山、富山, (1997 年 10 月).

99. R. Saito: “Phonon structure and Raman spectra of carbon nanotubes”, (Invited Paper) Microscopies of nanotubular structures, Joint workshop of the NAMITECH European network and NEDO network, Nantes, France, (1997.10.27-28).
100. T. Dejima, R. Saito, S. Yugou, H. Isshiki, and T. Kimura: “Optical activation of Erbium doped porous silicon by hydrogen plasma treatment”, Symposium of Materials and Devices for Silicon-Based Optoelectronics, 1997 fall meeting, Material Research Society, Boston, USA, (1997.12.1-5).
101. 齋藤 理一郎, 竹谷 隆夫, 木村 忠正 G. Dresselhaus, M. S. Dresselhaus: “ナノチューブのフォノン構造と物性”, 第 14 回フラーレン総合シンポジウム, 分子科学研究所, 岡崎, (1998 年 1 月).
102. 竹谷 隆夫, 齋藤 理一郎, 木村 忠正 G. Dresselhaus, M. S. Dresselhaus: “カーボンナノチューブのラマン強度の端の効果”, 日本物理学会第 53 回年会, 日本大学, (1998 年 3 月).
103. 八木 将志, 齋藤 理一郎, 木村 忠正: “フッ素ドーパノグラファイトクラスターの電子状態”, 日本物理学会第 53 回年会, 日本大学, (1998 年 3 月).
104. 出島 徹, 一色 秀夫, 湯郷 成美, 齋藤 理一郎, 木村 忠正: “Er ドープポーラスシリコンの酸素プラズマ処理”, 春季第 45 回応用物理学関係連合講演会, 東京工科大学, (1998 年 3 月).
105. 中ノ瀬 貴生, 出島 徹, 菅野 仙子, 一色 秀夫, 齋藤 理一郎, 木村 忠正: “イオン注入法により作製した Er 添加 Si における 1.54 μ m 発光の時間応答 - Er イオンの励起、緩和過程に与えるアニール処理の影響 -”, 春季第 45 回応用物理学関係連合講演会, 東京工科大学, (1998 年 3 月).
106. 齋藤 理一郎, 安藤 恒也, 中西 毅: “カーボンナノチューブの輸送現象でのベリーの位相”, 第 15 回フラーレンシンポジウム, 仙台松島海岸 大観荘, (1998 年 7 月 22 日).
107. 齋藤 理一郎, 八木 将志, 木村 忠正: “ドナーアクセプター型微小黒鉛クラスターの電子状態”, 炭素材料学会第 11 回カーボンアロイ研究会 - 第 6 回電池用炭素材料研究会合同研究会, 国際きのこ会館, 桐生, (1998 年 7 月 28 日).
108. R. Saito: Raman Intensity of Carbon Nanotubes, CECAM Workshop on Simulation of Carbon and BxCyNz Nanotubes, Lyon, France, (1998.9.1-3).
109. R. Saito: Absence of Back Scattering and Berry's Phase in Carbon Nanotube, CECAM Workshop on Simulation of Carbon and BxCyNz Nanotubes, Lyon, France, (1998.9.1-3).
110. G. Dresselhaus, M.A. Pimenta, P.C. Eklund and M. S. Dresselhaus and R. Saito: Raman modes of metallic carbon nanotubes, CECAM Workshop on Simulation of Carbon and BxCyNz Nanotubes, Lyon, France, (1998.9.1-3).
111. 中ノ瀬 貴生, 戸田博之, 一色 秀夫, 湯郷 成美, 齋藤 理一郎 木村 忠正: “イオン注入装置により作製した Er 添加 Si における 1.54 μ m 発光の時間応答 (II) - Er イオンの励起過程に与える酸素共添加の影響 -”, 秋季第 59 回応用物理学学会学術講演会, 広島大学, (1998 年 9 月).
112. 王 威, 戸田博之, 井手佐和, 中ノ瀬 貴生, 一色 秀夫, 湯郷 成美, 齋藤 理一郎 木村 忠正: “イオン注入 Er ドープポーラスシリコンの Er 発光中心サイト”, 秋季第 59 回応用物理学学会学術講演会, 広島大学, (1998 年 9 月).
113. 八木 将志, 田代 哲正, 齋藤 理一郎, 木村 忠正: “ドナー、アクセプター型ドーパ微小黒鉛クラスターの電子状態”, 日本物理学会 1998 年分科会, 琉球大学, 沖縄, (1998 年 9 月 25 日).
114. 齋藤 理一郎, 安藤 恒也, 中西 毅: “カーボンナノチューブの後方散乱消失機構とベリーの位相”, 1998 年日本物理学会秋の分科会, 琉球大学, 沖縄, (1998 年 9 月 25 日).
115. M. S. Dresselhaus, M. A. Pimenta, A. Marucci, M. J. Matthews, S. D. M. Brown, A. M. Rao, P. C. Eklund, G. Dresselhaus, R. Saito, and M. Endo: “Raman Scattering as a Characterization Tool for New Forms of Carbon”, Internal Symposium on Carbon, Science and Technology for New Carbon, Surugadai Memorial Hall, Chuo University, Tokyo, (1998.11.8-12).
116. R. Saito, T. Ando and T. Nakanishi: “Berry's Phase of Carbon Nanotube and Graphite”, Internal Symposium on Carbon, Science and Technology for New Carbon, Surugadai Memorial Hall, Chuo University, Tokyo, (1998.11.8-12).
117. R. Saito, M. Yagi, A. Tashiro and T. Kimura: “Li and F Doped Graphite Nanoclusters”, Internal Symposium on Carbon, Science and Technology for New Carbon, Surugadai Memorial Hall, Chuo University, Tokyo, (1998.11.8-12).

118. S. Roche and R. Saito: “Effects of magnetic field and disorder on electronic properties of carbon nanotubes”, 物性研短期研究会「アンダーソン局在と量子カオスおよびその周辺」, 東京大学物性研究所, (1998.11.16-18).
119. 齋藤 理一郎: “カーボンナノチューブの量子物性 (招待講演)”, 第3回ナノサイズ分子系の構造と物性に関するシンポジウム, 基礎化学研究所, 京都, (1998.11.20).
120. T. Ando, T. Nakanishi and R. Saito: “Conductance Quantization in Carbon Nanotubes: Neutrons on Cylinder Surface”, New Phenomena in Mesoscopic Structures (NPMS98), Kawai Island, Hawaii, USA, (1998.12.7-11).
121. 八木将志, 齋藤 理一郎, 木村忠正: “ハロゲン原子とグラファイト微結晶の化学反応”, 第16回フラーレン総合シンポジウム, 岡崎国立共同研究機構, (1999年1月20日-21日).
122. 齋藤 理一郎, 八木将志, 平原勝久, 木村忠正: “ナノグラファイトの端における電子状態と化学反応”, 日本物理学会第54回年会, 広島大, 広島, (1999年3月28日-31日).
123. R. Saito: Electronic and Phonon Properties of Carbon Nanotubes, The 6th NIRIM International Symposium on Advanced Material, National Institute for Research in Inorganic Material, Tsukuba, (1999.2.28-3.3)
124. 山下 裕, 中ノ瀬 貴生, 王 威, 戸田 博之, 一色 秀夫, 湯郷 成美, 齋藤 理一郎, 木村 忠正: “Si 中に熱拡散した Er の発光スペクトル”, 春季第46回応用物理学関係連合講演会, 東京理科大学, (1999年3月28日-31日).
125. 中ノ瀬 貴生, 戸田 博之, 一色 秀夫, 湯郷 成美, 齋藤 理一郎, 木村 忠正: “イオン注入法により作製した Er 添加 Si における $1.54\mu\text{m}$ 発光の時間応答 (III) - CW レーザ照射下における時間応答特性 -”, 春季第46回応用物理学関係連合講演会, 東京理科大学, (1999年3月28日-31日).
126. 王 威, 戸田 博之, 井手 佐和, 中ノ瀬 貴生, 一色 秀夫, 湯郷 成美, 齋藤 理一郎, 木村 忠正: “Er ドープポーラスシリコンの Er 発光中心サイト”, 春季第46回応用物理学関係連合講演会, 東京理科大学, (1999年3月28日-31日).
127. 戸田 博之, 中ノ瀬 貴生, J.F. Suyver, P.G. Kik, A. Polman, 一色 秀夫, 湯郷 成美, 齋藤 理一郎, 木村 忠正: “Ho ドープシリコンにおける $1.20\mu\text{m}$ 発光の温度特性”, 春季第46回応用物理学関係連合講演会, 東京理科大学, (1999年3月28日-31日).
128. 木村 忠正, 中ノ瀬 貴生, 戸田 博之, 齋藤 理一郎, 一色 秀夫: “Er ドープシリコンの発光におけるエネルギー伝達機構と酸素添加の効果”, 第8回シリコンテクノロジー研究会「光るシリコンプロセス・素子技術の展開」, 東京農工大学, (1999年4月23日).
129. 齋藤 理一郎: “カーボンナノチューブに叶う科学 (特別講演)”, 日本材料科学会 平成11年度学術講演大会, 工学院大学, 東京, (1999年5月28日).
130. R. Saito, M. Yagi, T. Kimura, G. Dresselhaus and M. S. Dresselhaus: “Chemical Reaction of Intercalated Atoms at the Edge of Nano-Graphene Cluster”, The 10th International Symposium of Intercalation Compounds, ISIC10, International Conference Center, Okazaki, Aichi, (1999.5.30-6.3).
131. R. Saito: “Finite Size and Impurity Effect of Raman Spectra of Carbon Nanotubes”, International Symposium of Fullerene and Nanotubes, ISFN99, Yuya Onsen, Aichi, (1999.6.3-6.6).
132. R. Saito, G. Dresselhaus and M. S. Dresselhaus: “Raman Intensity of Carbon Nanotubes and Related materials”, Nanotube99, Michigan State Univ., USA, (1999.7.24-27).
133. 齋藤 理一郎, S. Roche, G. Dresselhaus, M. S. Dresselhaus: “カーボンナノチューブの磁場効果”, 第17回フラーレン総合シンポジウム (招待講演), 長良川国際会議場, 岐阜, (1999.8.9-10).
134. R. Saito: “Quantum Properties of Carbon Nanotubes”, Applied Diamond Conference / Frontier Carbon Technology Joint Conference 1999, AIST Research Center, (1999.8.31-9.3).
135. 戸田 博之, J. F. Suyver, P. G. Kik, A. Polman, 一色 秀夫, 湯郷 成美, 齋藤 理一郎, 木村 忠正: “希土類ドープ半導体発光の光励起キャリアによるオーブジェクトエンチング”, 秋季第60回応用物理学会学術講演会, 甲南大学, (1999年9月).
136. 井出 佐和, 戸田 博之, 武田 健太郎, 一色 秀夫, 湯郷 成美, 齋藤 理一郎, 木村 忠正: “Er ドープポーラスシリコンの PL 発光における酸素プレアニール効果”, 秋季第60回応用物理学会学術講演会, 甲南大学, (1999年9月).

137. 平原 勝久, 石垣 哲孝, 齋藤 理一郎, 木村 忠正, 湯郷 成美: “ダイヤモンド核発生のシミュレーションによる考察”, 秋季第 60 回応用物理学会学術講演会, 甲南大学, (1999 年 9 月).
138. 石垣 哲孝, 佐野 潤一, 齋藤 理一郎, 平原 勝久, 木村 忠正, 湯郷成 美: “バイアス法による Si 基板表面形状に依存するダイヤモンドエピタキシャル成長”, 秋季第 60 回応用物理学会学術講演会, 甲南大学, (1999 年 9 月).
139. 沼 知典, 松尾 竜馬, 山岡 寛明, 齋藤 理一郎, 木村 忠正: “書き込み可能なゲート素子を用いた行列専用計算機の開発”, 日本物理学会 1999 年 秋の分科会, 岩手大学, (1999 年 9 月).
140. 松尾 竜馬, 齋藤 理一郎, 木村 忠正: “カーボンナノチューブの面間相互作用”, 日本物理学会 1999 年 秋の分科会, 岩手大学, (1999 年 9 月).
141. 齋藤 理一郎: “理論からみたカーボンナノチューブ”, 日本物理学会秋の分科会 シンポジウム (招待講演), 岩手大学, (1999.9.24-27).
142. 齋藤 理一郎: “Physical Properties of Single Wall Carbon Nanotubes”, TCSC workshop, “Syntheses, Properties and Nanotechnology of Carbon Nanotubes”, (invited talk), 筑波、物質研, (1999.11.19).
143. 平原 勝久, 菅 章宏, 齋藤 理一郎, 湯郷 成美: “ダイヤモンド核形成の分子軌道法による検討”, 第 13 回ダイヤモンドシンポジウム, 早稲田大学, (1999.11.26).
144. 佐野 潤一, 石垣 哲孝, 天野 洋一, 齋藤 理一郎, 木村 忠正, 湯郷 成美: “ダイヤモンド核発生におけるバイアス印加時のプラズマ構造”, 第 13 回ダイヤモンドシンポジウム, 早稲田大学, (1999.11.26).
145. 齋藤 理一郎: “カーボンナノチューブの量子物性”, 第 12 回佐々木シンポジウム (招待講演), 筑波大学, (1999.12.1-2).
146. 齋藤 理一郎: “カーボンナノチューブの理論的研究”, 第 13 回日本 IBM 科学賞授賞式講演 (招待講演), 学士会館, (1999.12.10).
147. 齋藤 理一郎: “カーボンナノチューブのラマン散乱”, 理研シンポジウム「極限微小構造の物理と制御 (8) - ナノチューブエレクトロニクス -」 (招待講演), 理化学研究所, (1999.12.15).
148. 齋藤 理一郎: “Solid State Properties of Carbon Nanotubes”, 日台科学交流 フラワーレンセミナー (招待講演), 岡崎グランドホテル, (2000.1.11-12).
149. 齋藤 理一郎, G. Dresselhaus and M. S. Dresselhaus: “Trigonal Warping Effects of Carbon Nanotubes”, 第 18 回 フラワーレン研究会, 岡崎国立共同研究機構 岡崎コンファレンスセンター, (2000.1.12-13).
150. R. Matsuo, 齋藤 理一郎, T. Kimura: “Stable Structure of Multi Wall Carbon Nanotubes.”, 第 18 回 フラワーレン研究会, 岡崎国立共同研究機構 岡崎コンファレンスセンター, (2000.1.12-13).
151. E. Middleton, 齋藤 理一郎, T. Kimura: “Conductivity of Chiral Carbon Nanotubes.”, 第 18 回 フラワーレン研究会, 岡崎国立共同研究機構 岡崎コンファレンスセンター, (2000.1.12-13).
152. 齋藤 理一郎: “単層ナノチューブのフェルミ面形状効果”, 科学研究費 フラワーレンナノチューブネットワーク 平成 11 年度第 3 回研究会・公開ワークショップ, フローラシオン青山, (2000.2.14-16).
153. H. Kataura, Y. Maniwa, S. Masubushi, S. Kazama, X. Zhao, Y. Ando, Y. Ohtsuka, S. Suzuki, Y. Achiba and R. Saito: “Bundle Effect of Single-Wall Carbon Nanotubes”, XIVth International Winterschool Euroconference on Electronic Properties of Novel Materials, Kirchberg/Tirol, Austria, March 4th - 11th, 2000, 2000, (in press in AIP Conference Proceedings).
154. M. A. Pimenta, A. Jorio, M. Souza, M. S. S. Dantas, A. M. Rao, R. Saito, G. Dresselhaus, and M. S. Dresselhaus: “Polarized Raman Study of Aligned Single-wall Carbon Nanotubes”, 2000 March Meeting, American Physical Society, Bulletin of the American Physical Society, Vol. 45 No.1 (2000) 886., Minneapolis Convention Center, (2000.3.20-24).
155. A. M. Rao, A. Jorio, M. A. Pimenta, R. Saito, G. Dresselhaus, and M. S. Dresselhaus: “Polarized Raman Study of Aligned Multi-wall Carbon Nanotubes”, 2000 March Meeting, American Physical Society, Bulletin of the American Physical Society, Vol. 45 No.1 (2000) 886., Minneapolis Convention Center, (2000.3.20-24).
156. R. Saito, G. Dresselhaus, and M. S. Dresselhaus: “Trigonal Warping Effect of Carbon Nanotubes”, 2000 March Meeting, American Physical Society, Bulletin of the American Physical Society, Vol. 45 No.1 (2000) 886-887., Minneapolis Convention Center, (2000.3.20-24).

157. 武田健太郎, 上中敦史, 一色秀夫, 湯郷成美, 齋藤 理一郎, 木村忠正: “Si に添加した Er^{3+} イオンの励起過程における中間準位の解明-電界パルスによる中間準位の電子正孔対解離効果-”, 春季第 47 回応用物理学関係連合講演会, 青山学院大学, (2000.3.28-31).
158. 戸田博之, 一色秀夫, 湯郷成美, 齋藤 理一郎, 木村忠正: “酸素共添加 Er ドープ Si 発光の光励起キャリアによるオーブジェクトエンチング”, 春季第 47 回応用物理学関係連合講演会, 青山学院大学, (2000.3.28-31).
159. 井手佐和, 一色秀夫, 湯郷 成美, 齋藤 理一郎, 木村忠正: “Er ドープポーラスシリコンの PL 発光における酸素プレアニール効果”, 春季第 47 回応用物理学関係連合講演会, 青山学院大学, (2000.3.28-31).
160. 清水隆範, 石山卓茂, 一色秀夫, 湯郷成美, 齋藤 理一郎, 木村忠正: “Er ドープ多孔質 Si の発光特性に対する表面 Si 保護効果”, 春季第 47 回応用物理学関係連合講演会, 青山学院大学, (2000.3.28-31).
161. 齋藤 理一郎: “カーボンナノチューブの量子物性”, 岡山大学理学部化学教室講演会 (招待講演), 岡山大学, (2000.4.13).
162. 齋藤 理一郎: “カーボンナノチューブの電子物性と応用”, 上智大学理学部物理学教室 (招待講演), 上智大学, (2000.5.18).
163. 齋藤 理一郎: “カーボンナノチューブ-製法、物性、応用-”, 炭素材料学会先端技術講習会 (招待講演), 化学会館, (2000.7.25).
164. 片浦弘道, 鈴木信三, 真庭豊, 阿知波洋次, 増渕伸一, 風間重雄, 趙新洛, 安藤義則, 齋藤 理一郎: “カーボンナノチューブにおける層間相互作用”, 第 19 回フラーレン総合シンポジウム, 桐生市市民文化会館, (2000.7.27-28).
165. 石田猛, 上中敦史, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “ゾル-ゲル法により作製した Er 添加 ZnO における Er^{3+} の発光”, 第 61 回応用物理学学会学術講演会, 北海道工業大学, (2000.9.3-7).
166. R. Saito: “Chirality dependent Raman intensity of carbon nanotubes”, 25th International Conference on the Physics of Semiconductors, Osaka International Convention Center, Osaka, (2000.9.17-22).
167. 齋藤 理一郎, 松尾竜馬, 木村忠正, G. Dresselhaus, M.S. Dresselhaus: “2 層カーボンナノチューブの安定構造”, 日本物理学会第 55 回年次大会, 新潟大学五十嵐キャンパス, (2000.9.22-25).
168. R. Saito, A. Jorio, J. H. Hafner, C. Lieber, M. Hunter, T. McClure, G. Dresselhaus and M. S. Dresselhaus: “共鳴ラマン効果を用いた一本のナノチューブの物性測定”, 文部省科学研究費特定領域研究 (A) 「フラーレン・ナノチューブネットワーク」平成 12 年度第 2 回研究会 (公開ワークショップ), 東京生命金沢ビル, 金沢, (2000.10.18-20).
169. 齋藤 理一郎: “21 世紀の量子材料: カーボンナノチューブ”, 早稲田大学理工学研究科量子材料学セミナー (招待講演), 早稲田大学, (2000.10.24).
170. A. Jorio, S. D. M. Brown, G. Dresselhaus, M. S. Dresselhaus, M. A. Pimenta, R. Saito, A. M. Rao, K. Kneipp: “Polarized Raman Spectra of Carbon Nanotubes”, MRS Symposium, Nanotubes and Related Materials, Sheraton Hotel, Boston, (2000.11.27-30).
171. R. Saito: “Shrine of Physics”, Symposium in Honor of Mildred Dresselhaus' 70th Birthday (invited), MIT, Barton Theater, Boston, (2000.12.1).
172. R. Saito: “Resonant Raman Spectroscopy of Isolated Single Wall Carbon Nanotubes”, Taiwan-Japan Corporate Meeting of Fullerene Science and Technology (invited), Westlake Resort Garden at San-Yih, Taiwan, (2000.12.21-23).
173. R. Saito, A. Jorio, J. H. Hafner, C. M. Lieber, M. Hunter, T. McClure, G. Dresselhaus, M. S. Dresselhaus: “Chirality Dependent G-band Raman Intensity of An Individual Single Wall Carbon Nanotubes”, International Symposium on Nanonetwork Materials: Fullerenes, Nanotubes, and Related Systems (ISNM2001), Kamakura Prince Hotel, Kamakura, (2001.1.15-18).
174. A. Jorio, R. Saito, J. H. Hafner, C. M. Lieber, M. Hunter, T. McClure, G. Dresselhaus, M. S. Dresselhaus: “Structural (n, m) Determination of Isolated Single Wall Carbon Nanotubes by Resonant Raman Scattering”, International Symposium on Nanonetwork Materials: Fullerenes, Nanotubes, and Related Systems (ISNM2001), Kamakura Prince Hotel, Kamakura, (2001.1.15-18).
175. A. M. Rao, A. Jorio, M.A. Pimenta, M.S.S. Dantas, R. Saito, G. Dresselhaus, M. S. Dresselhaus, W. Zhu, C. Bower, S. Jin: “Synthesis, Raman Spectroscopy and Field Emission from Aligned Multiwalled Carbon Nanotubes”, International Sympo-

- sium on Nanonetwork Materials: Fullerenes, Nanotubes, and Related Systems (ISNM2001), Kamakura Prince Hotel, Kamakura, (2001.1.15-18).
176. 齋藤 理一郎, A. Jorio, J. H. Hafner, C. Lieber, M. Hunter, T. McClure, G. Dresselhaus and M. S. Dresselhaus: “一本の単層カーボンナノチューブ顕微ラマンスペクトル解析”, 第20回フラーレン総合シンポジウム, 岡崎国立共同研究機構 岡崎コンファレンスセンター, (2001.1.22-23).
177. R. Saito: “Solid State Properties and Applications of Carbon Nanotubes”, Seminar of Physics Department, The Hong Kong University of Science and Technology(invited), The Hong Kong University of Science and Technology, Hong Kong, (2001.2.8).
178. R. Saito: “Single Nanotube Raman Spectroscopy and Current Progress of Carbon Nanotubes”, Panel Discussion with Professor R. E. Smalley((invited), 東大理学部化学講堂, (2001.2.22).
179. A. Jorio, R. Saito, J. H. Hafner, C. Lieber, A. G. Souza Filho, M. A. Pimenta, F. M. Matinaga, M. S. S. Dantas, M. Hunter, T. McClure, G. Dresselhaus and M. S. Dresselhaus: “Resonance Raman Scattering Of Isolated Single Wall Carbon Nanotubes: Structural (n, m) Determination And Resonance Window”, XVth International Winterschool on Electronic Properties of Novel Materials (Invited Talk), Hotel Sonnalp, Kirchberg, Austria, (2001.3.3-10).
180. R. Saito, A. Jorio, J. H. Hafner, C. Lieber, M. Hunter, T. McClure, M. A. Pimenta, A. M. Rao, G. Dresselhaus and M. S. Dresselhaus: “Micro-Raman Spectroscopy of Isolated Single Wall Carbon Nanotubes”, XVth International Winterschool on Electronic Properties of Novel Materials (Invited Talk), Hotel Sonnalp, Kirchberg, Austria, (2001.3.3-10).
181. A. G. Souza-Filho, A. Jorio, G. Dresselhaus, M. S. Dresselhaus, J. H. Hafner, C. M. Lieber, R. Saito, M. A. Pimenta: “Analysis of the Anti-Stokes and Stokes spectra of isolated nanotubes”, APS March Meeting 2001, Washington State Convention Center, Seattle, Washington, USA, (2001.3.12-16).
182. A. Jorio, A. G. Souza-Filho, G. Dresselhaus, M. S. Dresselhaus, J. H. Hafner, C. M. Lieber, R. Saito, F. M. Matinaga, M. S. S. Dantas, M. A. Pimenta: “Resonant Raman window of one isolated single-wall carbon nanotube”, APS March Meeting 2001, Washington State Convention Center, Seattle, Washington, USA, (2001.3.12-16).
183. M. S. Dresselhaus, A. Jorio, G. Dresselhaus, M. Hunter, T. McClure (MIT), J. H. Hafner, C. M. Lieber, R. Saito: “Structural (n, m) determination of isolated single wall carbon nanotubes by resonant Raman scattering”, APS March Meeting 2001, Washington State Convention Center, Seattle, Washington, USA, (2001.3.12-16).
184. R. Saito, A. Jorio, M. Hunter, T. McClure, G. Dresselhaus, M. S. Dresselhaus, J. H. Hafner, C. M. Lieber: “Chirality Dependent G-band Raman Intensity of Carbon Nanotubes”, APS March Meeting 2001, Washington State Convention Center, Seattle, Washington, USA, (2001.3.12-16).
185. 齋藤 理一郎: “孤立チューブのスペクトロスコピー”, 日本物理学科 第56回(2001年)年次大会 領域7/9 合同シンポジウム (招待講演), 中央大学多摩校舎, (2001.3.27-30).
186. 上中敦史, 佐藤隆史, 石田猛, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “ゾル-ゲル法により作製した希土類添加 ZnO の可視域発光”, 春季第48回応用物理学関係連合講演会, 明治大学, (2000.3.28-31).
187. 清水隆範, 一色秀夫, 齋藤 理一郎, 木村忠正: “Er/SiO₂ 薄膜/Si 構造の Er1.54 μ m 発光及びエネルギーバックトランスファー過程”, 春季第48回応用物理学関係連合講演会, 明治大学, (2000.3.28-31).
188. 齋藤 理一郎: “カーボンナノチューブ – 最近の科学と応用技術の進歩 –”, (株)テクノシステム, ナノチューブ講習会 (招待講演), 中央大学駿河台記念館, (2001.5.30).
189. 齋藤 理一郎: “カーボンナノチューブ科学の最近の進展”, 日本複合材料学会 特別講演 (招待講演), 東大山上会館, (2001.6.5).
190. M. S. Dresselhaus, A. Jorio, and R. Saito: “Single Carbon Nanotube Raman Spectroscopy”, Plenary talk on CARBON '01 Conference, Lexington, Kentucky, USA, (2001.7.15-20).
191. M. S. Dresselhaus, A. Jorio, A.G. Souza Filho, G. Dresselhaus, R. Saito, and M.A. Pimenta: “Single Carbon Nanotube Raman Spectroscopy”, Invited talk on Nanotec01, Sussex, UK, (2001.8.29-31).

192. A. Jorio, A.G. Souza Filho, M. S. Dresselhaus, G. Dresselhaus, R. Saito, and M.A. Pimenta: “Dependence of the Raman spectra from single wall carbon nanotubes on the (n, m) structural indices”, Nanotec01, Sussex, UK, (2001.8.29-31).
193. 石田 猛, 一色 秀夫, 齋藤 理一郎, 木村 忠正: “SiO₂:Er/SiO₂/Si 構造での Er1.53 μ m フォトルミネッセンス”, 秋季第 62 回応用物理学会学術講演会, 愛知工業大学, (2001.9.11-14).
194. 正木 克明, 一色 秀夫, 齋藤 理一郎, 木村 忠正: “電界印加による Er ドープ Si 中のトラップ準位からのキャリア放出”, 秋季第 62 回応用物理学会学術講演会, 愛知工業大学, (2001.9.11-14).
195. 上中 敦史, 福留 隆夫, 石田 猛, 一色 秀夫, 齋藤 理一郎, 湯郷 成美, 木村 忠正: “SiO₂:Er/SiO₂/Si 構造での Er1.53 μ m フォトルミネッセンス”, 秋季第 62 回応用物理学会学術講演会, 愛知工業大学, (2001.9.11-14).
196. 齋藤 理一郎: “単層カーボンナノチューブの共鳴ラマン効果”, 日本化学会 第 80 秋期年会, (依頼講演), 千葉大西千葉キャンパス, (2001.9.20-23).
197. R. Saito, A. Jorio, A. G. Souza Filho, A. Grüneis, M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus: “Dispersive Raman spectra observed in graphite and single wall carbon nanotubes (invited)”, Tsukuba Symposium on Carbon Nanotube, Tsukuba International Congress Center, Tsukuba, (2001.10.3-5).
198. M. S. Dresselhaus, A. Jorio, A.G. Souza Filho, M.A. Pimenta, G. Dresselhaus, and R. Saito: “Raman spectroscopy of one isolated carbon nanotube (invited)”, Tsukuba Symposium on Carbon Nanotube, Tsukuba International Congress Center, Tsukuba, (2001.10.3-5).
199. X. Zhao, Y. Ando, L.-C. Qin, H. Kataura, Y. Maniwa and R. Saito: “Characteristic Raman spectra of multiwalled carbon nanotubes”, Tsukuba Symposium on Carbon Nanotube, Tsukuba International Congress Center, Tsukuba, (2001.10.3-5).
200. R. Saito: “Nano-technology of carbon nanotubes (invited)”, The 9th annual conference of Hong Kong Institute of Science, “New frontiers in Science and Technology in Hong-Kong-Nano-technology as an example”, Hong Kong University, Hong Kong, (2001.11.10).
201. M. S. Dresselhaus, A. Jorio, A. G. Souza Filho, Y. M. Lin, O. Rabin, G. Dresselhaus and R. Saito: “Carbon nanotubes, Bi nanowires, and low dimensional thermoelectric materials”, AIST international symposium, 国際研究交流大学村東京国際交流館, 東京, (2001.11.13-14).
202. R. Saito, A. Grüneis, L. G. Cancado, M. A. Pimenta, A. Jorio, A.G. Souza Filho, G. Dresselhaus, and M. S. Dresselhaus: “Double resonance Raman spectra in disordered graphite and single wall carbon nanotubes (invited)”, International Symposium on Nanocarbon, Nagano Metropolitan Hotel, Nagano, (2001.11.14-16).
203. M. S. Dresselhaus, A. Jorio, A.G. Souza Filho, G. Dresselhaus, R. Saito, and M. A. Pimenta: “Raman spectroscopy of nanoscale carbons and of an isolated carbon nanotube (invited)”, International Symposium on Nanocarbon, Nagano Metropolitan Hotel, Nagano, (2001.11.14-16).
204. X. Zhao, Y. Ando, L.-C. Qin, H. Kataura, Y. Maniwa and R. Saito: “Characteristic Raman spectra of multiwalled carbon nanotubes prepared by hydrogen arc discharge”, International Symposium on Nanocarbon, Nagano Metropolitan Hotel, Nagano, (2001.11.14-16).
205. 齋藤 理一郎: “単一カーボンナノチューブのラマン分光(招待)”, 東北大学多元多元物質科学研究所セミナー, 東北大学多元多元物質科学研究所表面機能解析部門, 仙台, (2001.11.21).
206. A. Jorio, A. G. Souza Filho, G. G. Samsonidze, M. A. Pimenta, G. Dresselhaus, R. Saito, M.S. Dresselhaus: “New effects on the resonance Raman features in one-dimensional systems: isolated single wall carbon nanotube studies”, XVIth International Winterschool on Electronic Properties of Novel Materials (Invited Talk), Hotel Sonnalp, Kirchberg, Austria, (2002.3.2-9).
207. R. Saito: “Raman spectroscopy of single carbon nanotube”, Japan India meeting on molecular and supramolecular materials (invited talk), 東京ファッションタウンビル内会議室, 東京・台場, (2002.3.14-16).
208. M. S. Dresselhaus, A. Jorio, G. Dresselhaus, A. G. Souza Filho, M. Pimenta and R. Saito: “Struc-

- tural (n,m) determination of isolated single wall carbon nanotubes by resonant Raman scattering”, APS March Meeting 2002, Indiana Convention Center; Indianapolis, Indiana, USA, (2002.3.18-22).
209. A. Jorio, Ge. G. Samsonidze, V.W. Brar, G. Dresselhaus, M.S. Dresselhaus, A. G. Souza Filho, A.K. Swan, M.S. Unlu, B.B. Goldberg, R. Saito: “The linewidths for the Raman features of one-dimensional single wall carbon nanotubes”, APS March Meeting 2002, Indiana Convention Center; Indianapolis, Indiana, USA, (2002.3.18-22).
210. A. G. Souza Filho, A. Jorio, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, R. Saito, M. A. Pimenta, J. H. Hafner, C. M. Lieber, A.K. Swan, M. S. Unlu, B. B. Goldberg: “Trigonal warping-based splitting in the van Hove singularities probed by resonant Raman experiments on isolated metallic carbon nanotubes.”, APS March Meeting 2002, Indiana Convention Center; Indianapolis, Indiana, USA, (2002.3.18-22).
211. Ge. G. Samsonidze, A. Jorio, A.G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, R. Saito, M. A. Pimenta: “Origin of dispersive features in the Raman spectra of isolated single wall carbon nanotubes identified by numerical calculations”, APS March Meeting 2002, Indiana Convention Center; Indianapolis, Indiana, USA, (2002.3.18-22).
212. G. Chen, U-J. Kim, R. Gupta, P. C. Eklund, M. S. Dresselhaus, G. Dresselhaus, R. Saito: “Study of gas absorption on isolated single wall carbon nanotubes by resonant Raman scattering”, APS March Meeting 2002, Indiana Convention Center; Indianapolis, Indiana, USA, (2002.3.18-22).
213. R. Saito, A. Grüneis, A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, L. G. Cancado, and M. A. Pimenta: “孤立カーボンナノチューブとグラファイトの二重共鳴ラマン分光”, 日本物理学会第 57 回年次大会, 立命館大学びわこ・くさつキャンパス, 滋賀県草津市, (2002.3.24-27).
214. A. Grüneis, R. Saito, T. Kimura, A. Jorio, A.G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, and M. A. Pimenta: “Determination of graphite phonon dispersion relation by Raman spectroscopy”, 日本物理学会第 57 回年次大会, 立命館大学びわこ・くさつキャンパス, 滋賀県草津市, (2002.3.24-27).
215. 安藤 義則, 趙新洛, 片浦 弘通, 齋藤 理一郎: “多層カーボンナノチューブの RBM”, 日本物理学会第 57 回年次大会, 立命館大学びわこ・くさつキャンパス, 滋賀県草津市, (2002.3.24-27).
216. 趙 新洛, 安藤 義則, 片浦 弘通, 齋藤 理一郎: “多層カーボンナノチューブの G-band の分裂”, 日本物理学会第 57 回年次大会, 立命館大学びわこ・くさつキャンパス, 滋賀県草津市, (2002.3.24-27).
217. 石田猛, 一色秀夫, 湯郷成美, 齋藤 理一郎, 木村忠正: “SiO₂:Er/SiO₂/Si 構造での Er1.53 μ m フォトルミネッセンス (part2)”, 春季第 49 回応用物理学関係連合講演会, 東海大学, (2002.3.27-30).
218. 大竹学, 和田学, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “有機 Ge(TMGe) を用いた気相成長法による Ge ドットの作製”, 春季第 49 回応用物理学関係連合講演会, 東海大学, (2002.3.27-30).
219. 正木克明, 一色秀夫, 湯郷成美, 齋藤 理一郎, 木村忠正: “電界印加による Er ドープ Si 中のトラップ準位からのキャリア放出 (2)”, 春季第 48 回応用物理学関係連合講演会, 東海大学, (2002.3.27-30).
220. 上中敦史, 福留隆夫, 石田猛, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “イオン注入による Er 添加 ZnO 薄膜の 1.535 μ m 発光”, 春季第 49 回応用物理学関係連合講演会, 東海大学, (2002.3.27-30).
221. R. Saito, A. Grüneis, A. Jorio, A. G. Souza Filho, M. S. Dresselhaus, G. Dresselhaus. Ge. G. Samsonidze, L. G. Cancado, M. A. Pimenta: “Optical properties and Resonant Raman spectroscopy of Carbon Nanotubes (invited)”, International Conference on the Science and Application of Nanotubes(NT02), Boston College, Boston, USA, (2002.7.6-11).
222. M. S. Dresselhaus, R. Saito, A. Jorio, A. G. Souza Filho, G. Dresselhaus. Ge. G. Samsonidze, M. A. Pimenta: “Single carbon nanotube spectroscopy (keynote)”, International Conference on the Science and Application of Nanotubes(NT02), Boston College, Boston, USA, (2002.7.6-11).
223. Ge. G. Samsonidze, R. Saito, A. Jorio, A. G. Souza Filho, G. Dresselhaus. M. S. Dresselhaus, M. A. Pimenta: “Asymmetry in the Phonon Dispersion Relations of Graphite Measured by Raman Spectroscopy on Carbon Nanotubes”, International Conference on the Science and Application of Nanotubes(NT02), Boston College, Boston, USA, (2002.7.6-11).

224. S. Roche, S. Latil, A. Rubio, and R. Saito: “Magnetotransport and persistent currents in carbon nanotube based materials”, International Conference on the Science and Application of Nanotubes(NT02), Boston College, Boston, USA, (2002.7.6-11).
225. M. A. Pimenta, A. Jorio, C. Fantini, L. G. Cancado, M. Souza, M. S. S. Dantas, R. Saito, G. Dresselhaus and M. S. Dresselhaus: “Study of nanostructured carbon materials by resonant Raman scattering”, 1st Brazil - MRS Meeting, Rio de Janeiro, Brazil, (2002.7.7-10).
226. 齋藤 理一郎: “ナノチューブ入門 – 生成・構造・電子状態・応用 – (招待講演)”, 第一回ナノサイエンス・サマー道場『ナノチューブ・フラーレンのカーボン・ナノサイエンス』, 未踏科学技術協会, 長野県飯綱高原ホテルアルカディア, (2002.8.18-20).
227. 齋藤 理一郎: “ナノチューブの電子格子物性 (招待講演)”, 第 40 回 茅コンファレンス『ナノ構造炭素の科学とその応用』, 八幡平ロイヤルホテル, 岩手県松尾村, (2002.8.21-24).
228. T. Kimura, H. Isshiki, T. Ishida, T. Shimizu, S. Ide, R. Saito, and S. Yugo: “Preferential suppression of Auger energy backflow by separation of Er ions from carriers with a thin oxide interlayer in Er-doped porous silicon”, International Conference on Luminescence and Related Materials, Budapest, Hungary, (2002.8.24-29).
229. R. Saito, A. Grüneis, A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, M. A. Pimenta, L. G. Cancado, V. W. Brar, Ge. G. Samsonidze: “Theory of Raman scattering in single wall carbon nanotubes (invited)”, XVIIIth International Conference on Raman Spectroscopy (ICORS 2002), Budapest, Hungary, (2002.8.25-30).
230. A. Jorio, A. G. Souza Filho, R. Saito, G. Dresselhaus, M. S. Dresselhaus: “General aspect of Raman spectroscopy in one-dimensional systems: the study of isolated single wall carbon nanotubes (invited)”, XVIIth International Conference on Raman Spectroscopy (ICORS 2002), Budapest, Hungary, (2002.8.25-30).
231. A. G. Souza Filho, A. Jorio, V. W. Brar, Ge. G. Samsonidze, R. Saito, M. A. Pimenta, G. Dresselhaus, M. S. Dresselhaus: “Dispersive Raman modes in isolated single wall carbon nanotube”, XVIIIth International Conference on Raman Spectroscopy (ICORS 2002), Budapest, Hungary, (2002.8.25-30).
232. T. Fukudome, A. Kaminaka, H. Isshiki, R. Saito, S. Yugo and T. Kimura: “Optical Characterization of Er Implanted ZnO Films Formed by Sol-gel Method”, International Conference on Ion Beam Modification of Materials 2002, Kobe, Japan, (2002.9.1-6).
233. 齋藤 理一郎: “ナノチューブの 2 重共鳴ラマン (招待講演)”, 日本物理学会 2002 年秋季大会 領域 7 シンポジウム: ナノチューブ状物質の最近の話題 – これから始める人へのチュートリアルも兼ねて –, 中部大学, (2002.9.6-9).
234. A. Grüneis, R. Saito, T. Kimura, M. A. Pimenta, A. Jorio, A. G. Souza Filho, G. Dresselhaus, and M. S. Dresselhaus: “Inhomogeneous absorption around K edge in nanographite and Carbon Nanotubes”, 日本物理学会 2002 年秋季大会, 中部大学, (2002.9.8).
235. A. Grüneis, R. Saito, T. Kimura, M. A. Pimenta, A. Jorio, A. G. Souza Filho, G. Dresselhaus, and M. S. Dresselhaus: “Inhomogeneous absorption around K edge in nanographite and Carbon Nanotubes”, 2002 年 (平成 14 年) 秋季 日本物理学会, 中部大学, (2002.9.8).
236. F. Xinyu, H. Isshiki, R. Saito, T. Kimura, S. Yamamoto, C. Rongqiang: “Room temperature formation of thick SiO₂ layers by anodic oxidation of porous silicon”, 2002 International Conference on Solid State Devices and Materials(SSDM), 名古屋国際会議場, (2002.9.17-18).
237. 齋藤 理一郎: “ナノチューブの電子状態と光物性の理論 (招待講演)”, 2002 年秋季 第 63 回応用物理学会学術講演会「カーボンナノチューブ・エレクトロニクス」シンポジウム, 新潟大学 (五十嵐キャンパス), (2002.9.24-27).
238. 福留隆夫, 上中敦史, 一色秀夫, 湯郷成美, 齋藤 理一郎, 木村忠正: “ゾルゲル法により作製した ZnO への Er イオン注入とその光学特性の評価”, 2002 年秋季 第 63 回応用物理学会学術講演会, 新潟大学, (2002.9.24-27).
239. 布田将一, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “ポーラス Si を用いた Er-Si-O 光導波路型増幅器の作製”, 2002 年秋季 第 63 回応用物理学会学術講演会, 新潟大学, (2002.9.24-27).
240. 正木克明, 一色秀夫, 湯郷成美, 齋藤 理一郎, 木村忠正: “電界印加による Er ドープ Si 中のトラップ準位から

- のキャリア放出 (3)”, 2002 年秋季 第 63 回応用物理学学会学術講演会, 新潟大学, (2002.9.24-27).
241. 大竹学, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “有機 Ge(TMGe) を用いた気相成長法による Si-Ge 系結晶成長”, 2002 年秋季 第 63 回応用物理学学会学術講演会, 新潟大学, (2002.9.24-27).
242. 渡辺剛志, 中川純, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “熱フィラメント CVD 法による ErSiO 混晶薄膜の作製”, 2002 年秋季 第 63 回応用物理学学会学術講演会, 新潟大学, (2002.9.24-27).
243. M. Ohtake, M. Wada, M. Sugiyama, H. Isshiki, R. Saito, S.Yugo and T.Kimura: “Ge Dot Formation on Si by MOVPE using Tetra-methyl Germanium ($\text{Ge}(\text{CH}_3)_4$)”, 2nd International Conference on Semiconductor Quantum Dots -QD2002-, Komaba Campus, University of Tokyo, Japan, (2002.9.30-10.3).
244. Ge. G. Samsonidze, R. Saito, A. Jorio, A. G. Souza Filho, A. Grüneis, M. A. Pimenta, G. Dresselhaus, M. S. Dresselhaus: “Anisotropy in the phonon dispersion relations of graphite and carbon nanotubes measured by Raman spectroscopy”, Fall meeting of Material Research Society, Hynes Convention Center and Sheraton Boston Hotel and Towers, Boston, MA, USA, (2002.12.2-6).
245. A. Grüneis, R. Saito, Ge. G. Samsonidze, M. A. Pimenta, A. Jorio, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus: “Characterization of nanographite and carbon nanotubes by polarization dependent optical spectroscopy”, Fall meeting of Material Research Society, Hynes Convention Center and Sheraton Boston Hotel and Towers, Boston, MA, USA, (2002.12.2-6).
246. 齋藤 理一郎: “ナノチューブが拓くナノサイエンス (招待講演)”, 表面技術協会 材料機能ドライプロセス部会 第 54 回例会, 工学院大学, (2002.12.6).
247. 齋藤 理一郎: “カーボンナノチューブの基礎と機械的特性 (招待講演)”, 日本機械学会熱工学部門セミナー, 機械学会会議室、信濃町煉瓦館, (2003.2.24).
248. A. Souza-Filho, G. Shou, Ge. G. Samsonidze, A. Jorio, G. Dresselhaus, M. S. Dresselhaus, R. Saito, A. Swan: “Raman spectroscopy on isolated carbon nanotubes with small diameter”, March meeting, American Physical Society, Austin Convention Center, Texas, USA, (2003.3.4).
249. A. Gruneis, R. Saito, Ge. G. Samsonidze, M.A. Pimenta, A. Jorio, A.G. Souza Filho, G. Dresselhaus, M.S. Dresselhaus: “Anisotropic Raman scattering in the k space of graphite and carbon nanotubes”, March meeting, American Physical Society, Austin Convention Center, Texas, USA, (2003.3.4).
250. Ge.G. Samsonidze, R. Saito, A. Jorio, A.G. Souza Filho, A. Gruneis, M.A. Pimenta, G. Dresselhaus, M.S. Dresselhaus: “Addressing individual points in the Brillouin zone of graphite by resonance Raman spectroscopy on isolated single wall carbon nanotubes”, March meeting, American Physical Society, Austin Convention Center, Texas, USA, (2003.3.4).
251. 齋藤 理一郎: “ナノテクノロジーの現状と今後の動向 (招待講演)”, 第 114 回行政研修 (係長級), 人事院公務員研修所、埼玉県入間市, (2003.3.7).
252. 齋藤 理一郎: “Resonance Raman Spectroscopy of Carbon Nanotubes (Invited)”, Sweden-Japan Nanotechnology Colloquium, Grand Hotel, Lund, Sweden, (2003.3.17).
253. 大竹学, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “有機 e(TMGe) を用いた SiGe 薄膜の MOVPE 成長”, 2003 年春季 第 50 回応用物理学関係連合講演会, 神奈川大学 (横浜キャンパス), (2003.3.27-30).
254. 布田将一, 上田啓介, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “ポーラス Si を用いた Er-Si-O 光導波路型増幅器の作製”, 2003 年春季 第 50 回応用物理学関係連合講演会, 神奈川大学 (横浜キャンパス), (2003.3.27-30).
255. 上中敦史, 福留隆夫, 一色秀夫, 齋藤 理一郎, 湯郷成美, 木村忠正: “ゾルーゲル法により作製した希土類添加 ZnO の可視発光”, 2003 年春季 第 50 回応用物理学関係連合講演会, 神奈川大学 (横浜キャンパス), (2003.3.27-30).
256. 齋藤 理一郎, A. A. Grüneis, 木村 忠正, A. Jorio, A. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, M. A. Pimenta: “ナノチューブロープにおける共鳴ラマン分光”, 日本物理学会 第 58 回年次大会, 東北大学 川内キャンパス, (2003.3.28-31).
257. A. A. Grüneis, R. Saito, T. Kimura, A. Jorio, A. Souza Filho, G. Dresselhaus, M. S. Dresselhaus, M. A. Pimenta: “Electron-phonon interaction in graphite and carbon nanotubes”, 日本物理学会 第 58 回年次大会, 東北大学 川内キャンパス, (2003.3.28-31).

258. 齋藤 理一郎: “ナノチューブの共鳴ラマン分光の進展 (招待講演)”, 日本学術振興会第 167 ナノプローブテクノロジー委員会, 川崎サイエンスアカデミー、川崎市高津区, (2003.4.22).
259. 齋藤 理一郎: “カーボンナノ材料の構造と電子状態 (招待講演)”, 応用物理学会第 119 回結晶工学分科会研究会, 名古屋大学ベンチャービジネスラボラトリー, (2003.6.13).
260. 齋藤 理一郎: “ナノチューブの物性 (招待講演)”, 青山学院大学理工学部第 3 回ナノサイエンスセミナー, 青山学院大学相模原キャンパス, (2003.6.20).
261. M. S. Dresselhaus, R. Saito, A. Jorio, A. G. Souza-Filho, G. Dresselhaus: “Single Carbon Nanotube Spectroscopy (invited)”, International Conference on the Science and Application of Nanotubes, NT03, Culture Building, Seoul National University, Seoul, Korea, (2003.7.7-11).
262. R. Saito, A. Gruneis, G. Ge. Samsonidze, A. Jorio, A. G. Souza-Filho, M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus: “Resonant Raman Intensity of single wall carbon nanotubes”, International Conference on the Science and Application of Nanotubes, NT03, Culture Building, Seoul National University, Seoul, Korea, (2003.7.7-11).
263. R. Saito, A. Grüneis, G. Ge. Samsonidze, A. Jorio, A. G. Souza-Filho, M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus (招待講演): “Resonance Raman Spectra of Single Wall Carbon Nanotubes Bundle”, 第一回ナノカーボン研究会, 龍名館本店、神田、東京, (2003.7.13).
264. 齋藤 理一郎: “カーボンナノチューブ入門、電子構造、フォノン構造 (招待講演)”, 2003 年物性若手夏の学校, 京都ゼミナールハウス、京都府北桑田郡京北町, (2003.8.11-14).
265. 齋藤 理一郎, A. Grüneis, M. S. Dresselhaus, Ge. G. Samsonidze, M. A. Pimenta, A. Jorio, A. G. Souza-Filho: “ナノチューブの二重共鳴ラマン分光による音響フォノンの異方性”, 日本物理学会 2003 年秋季大会, 岡山大学津島キャンパス, (2003.9.20-23).
266. A. Gruneis, R. Saito, Ge. G. Samsonidze, A. Jorio, M. A. Pimenta, A. G. Souza Filho, G. Dresselhaus, M. S. Dresselhaus: “Tight binding method and Raman spectra in small diameter carbon nanotubes”, 日本物理学会 2003 年秋季大会, 岡山大学津島キャンパス, (2003.9.20-23).
267. 齋藤 理一郎: “カーボンナノチューブが拓く世界 (招待講演)”, 平成 15 年度泉秋会講演会・総会, KKR ホテル仙台, (2003.10.24).
268. 齋藤 理一郎: “ナノチューブを操る一寸法師たち (招待講演)”, 日本物理学会公開講座, 中央大学理工学部, (2003.10.25).
269. 齋藤 理一郎: “カーボンナノチューブの電子状態と物性 (招待講演)”, 大阪大学基礎工学研究科 COE セミナー, 大阪大学基礎工学研究科, (2003.11.20).
270. R. Saito: “Resonance Raman Spectroscopy of Single Wall Carbon Nanotubes (plenary lecture)”, The symposium on Nanotubes and Nanostructures, Hong Kong University of Science and Technology, Hong Kong, (2004.1.6).
271. J. Jiang, R. Saito, A. Gruneis, G. Dresselhaus, M. S. Dresselhaus: “カーボンナノチューブの光吸収”, 第 26 回フラーレン・ナノチューブ総合シンポジウム, 岡崎国立共同研究機構コンファレンスセンター, (2004.1.7-9).
272. A. Gruneis, R. Saito, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: “グラファイトと単層ナノチューブの共鳴ラマン強度計算”, 第 26 回フラーレン・ナノチューブ総合シンポジウム, 岡崎国立共同研究機構コンファレンスセンター, (2004.1.7-9).
273. 齋藤 理一郎: “Optical absorption and double resonance spectroscopy of graphite and carbon nanotubes (invited talk)”, 未来開拓推進事業『ナノカーボン』最終報告会, 長野メトロポリタン Hotel, (2004.1.21).
274. 齋藤 理一郎, J. Jiang, A. Gruneis: “Electron-phonon coupling in graphite (invited talk)”, 第 3 回 ナノカーボン研究会, アルカディア市ヶ谷, (2004.3.3).
275. R. Saito, A. Gruneis, J. Jiang, G. Ge. Samsonidze, A. Jorio, A. G. Souza-Filho, M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus: “Double Resonance Raman Spectroscopy and optical properties of carbon nanotubes (invited talk)”, International Winterschools on Electronic Properties of Novel Materials (IWEPNM2004), Kirchberg, Austria, (2004.3.6-3.13).
276. A. Gruneis, J. Jiang, R. Saito: “Electron-Phonon Interaction and Raman Intensities in Graphite”, International Winterschools on Electronic Properties

- of Novel Materials (IWEPNM2004), Kirchberg, Austria, (2004.3.6-3.13).
277. R. Saito, Ge.G. Samsonidze, A. Jorio, C. Fantini, M. Souza, M.A. Pimenta, A.G. Souza Filho, G. Dresselhaus, M.S. Dresselhaus: “Origin of intermediate frequency Raman modes in carbon nanotubes”, Annual APS March Meeting 2004, P15.002, Palais des Congres de Montreal, Montreal, Quebec, Canada , (2004.3.22-26).
278. V.W. Brar, M. Souza, A. Jorio, C. Fantini, B.R.A. Neves, M.A. Pimenta, R. Saito, Ge.G. Samsonidze, G. Dresselhaus, M.S. Dresselhaus: “Single and Double Resonance Raman G-band processes in Carbon Nanotubes”, Annual APS March Meeting 2004, P15.003, Palais des Congres de Montreal, Montreal, Quebec, Canada , (2004.3.22-26).
279. A. Jorio, M.A. Pimenta, C. Fantini, M. Souza, L. O. Ladeira, A.G. Souza Filho, R. Saito, G. Dresselhaus, M.S. Dresselhaus: “Step-like dispersive Raman modes in carbon nanotubes”, Annual APS March Meeting 2004, P15.010, Palais des Congres de Montreal, Montreal, Quebec, Canada , (2004.3.22-26).
280. Ge.G. Samsonidze, R. Saito, A. Gruneis, A. Jorio, A.G. Souza Filho, G. Dresselhaus, M.S. Dresselhaus: “Interband optical transitions in left and right handed single wall carbon nanotubes”, Annual APS March Meeting 2004, Y15.003, Palais des Congres de Montreal, Montreal, Quebec, Canada , (2004.3.22-26).
281. 佐々木 健一、川添 良幸、齋藤 理一郎: “孤立ナノチューブの発光と吸収の遷移確率”, 日本物理学会第 59 回年次大会, 29pZP5, 九州大学箱崎キャンパス, (2004.3.27-30).
282. 齋藤 理一郎, J. Jiang, A. Gruneis: “孤立ナノチューブの発光と吸収の遷移確率”, 日本物理学会第 59 回年次大会, 30aZP8, 九州大学箱崎キャンパス, (2004.3.27-30).
283. 小林 直樹, 齋藤 理一郎, J. Jiang, A. Gruneis: “曲率とエキシトン効果を考慮した光学遷移エネルギー計算”, 日本物理学会第 59 回年次大会, 30aZP8, 九州大学箱崎キャンパス, (2004.3.27-30).
284. 佐藤 備平, 寺内 正巳, 齋藤 理一郎, 齋藤 弥八, 片浦 弘道: “TEM-EELS によるカーボンナノチューブの電子構造の研究”, 日本物理学会第 59 回年次大会, 30aZP8, 九州大学箱崎キャンパス, (2004.3.27-30).
285. R. Saito, A. Gruneis, J. Jiang, G. Ge. Samsonidze, A. Jorio, M. A. Pimenta, A. G. Souza-Filho, G. Dresselhaus, M. S. Dresselhaus: “Resonance Raman intensity and optical properties of single-wall carbon nanotube”, International Conference on the Science and Application of Nanotubes (NT04), San Luis Potosi, S.L.P., Mexico, (2004.7.19-24).
286. R. Saito, J. Jiang, A. Gruneis: “単層カーボンナノチューブの電子格子相互作用と共鳴ラマン分光”, 第 27 回フラーレン・ナノチューブ総合シンポジウム, 1-8, 東京大学 浅野キャンパス, (2004.7.28-30).
287. J. Jiang, R. Saito, R. Saito, A. Gruneis, G. Dresselhaus, M. S. Dresselhaus: “Electron-phonon interaction and relaxation time in graphite and single wall carbon nanotubes”, 第 27 回フラーレン・ナノチューブ総合シンポジウム, 1P-55, 東京大学 浅野キャンパス, (2004.7.28-30).
288. 小林 直樹 齋藤 理一郎, A. Gruneis, J. Jiang: “曲率とエキシトン効果を考慮した光学遷移エネルギー計算”, 第 27 回フラーレン・ナノチューブ総合シンポジウム, 2P-36, 東京大学 浅野キャンパス, (2004.7.28-30).
289. 小山 祐司 齋藤 理一郎, A. Gruneis, J. Jiang, 宮内雄平, 丸山茂夫: “半導体単層カーボンナノチューブの光吸収強度”, 第 27 回フラーレン・ナノチューブ総合シンポジウム, 3P-33, 東京大学 浅野キャンパス, (2004.7.28-30).
290. 嶋田 行志, 菅井 俊樹, C.Fantini, M.Souza, L.G.Cancado, A.Jorio, M.A.Pimenta, 齋藤 理一郎, A. Gruneis, G.Dresselhaus, M.S.Dresselhaus, 大野 雄高, 水谷 孝, 篠原 久典: “Si 基盤 j 上に孤立した二層カーボンナノチューブの G プライムラマンスペクトル”, 第 27 回フラーレン・ナノチューブ総合シンポジウム, 1-10, 東京大学 浅野キャンパス, (2004.7.28-30).
291. 佐々木 健一, 川添 良幸, 齋藤 理一郎: “変形したナノチューブにおける局所的エネルギーギャップ生成機構”, 第 27 回フラーレン・ナノチューブ総合シンポジウム, 1P-41, 東京大学 浅野キャンパス, (2004.7.28-30).
292. P. C. Eklund , U. J. Kim, C. A. Furtado, R. Saito, M. S. Dresselhaus, X. Liu: “Chemical processing of bundled carbon nanotubes into macromolecules in solution”, 228th ACS National Meeting, Philadelphia, PA, USA, (2004.8.22-26).
293. 齋藤 理一郎: “ナノチューブの電子状態と光物性の理論”, 2004 年秋季 応用物理学会 学術講演会 シンポジウ

- ム (招待講演), 東北学院大学 泉キャンパス, (2004.9.1-4).
294. 齋藤 理一郎: “共鳴ラマン分光によるナノチューブの評価”, 学術振興会 117 委員会 (招待講演), 東工大百年記念館, (2004.9.17).
295. R. Saito: “Optical properties of carbon nanotubes; photo-luminescence, Raman and IR spectroscopy”, 1st Japan-Korea Symposium on Carbon Nanotubes, Seogwipo KAL Hotel, Jejudo, Korea, (2004.10.13-16).
296. 齋藤 理一郎: “ラマン分光による炭素材料 (グラファイト, ナノチューブ) の評価”, 第 25 回炭素材料基礎講習会 (招待講演), 化学会館、お茶の水, (2004.10.29).
297. P.C. Eklund, U.J. Kim, C.A. Furtado, G. Chen, X.M. Liu, J. Jiang and R. Saito: “From Bundled Carbon Nanotube Soot to Individual Macromolecular Tubes in Solution: Optical Probes of their Physical Properties and Chemical Functionalization”, International symposium on Nano Materials, ISNM 2004, Korea, (2004,11.2-5).
298. 齋藤 理一郎: “DNA を巻きつけたカーボンナノチューブ – 技術と応用への挑戦 –”, 物理学最前線 (招待講演), 東北大学理学研究科物理学専攻, (2004.11.12).
299. R. Saito, A. Gruneis, J. Jiang, G. Ge. Samsonidze, S. G. Chou, L. G. Cancado, A. Jorio, M. A. Pimenta, G. Dresselhaus, M. S. Dresselhaus: “Relaxation processes of photo-excited electron-hole pair and Raman intensity of graphite and single wall carbon nanotubes”, International symposium on nano-carbons 2004 (invited), Hotel Metropolitan Nagano, (2004.11.15-18).
300. J. Jiang, R. Saito, A. Gruneis, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “Electron-phonon matrix elements and resonance Raman spectroscopy intensities in graphite and single wall carbon nanotubes”, International symposium on nano-carbons 2004, Hotel Metropolitan Nagano, (2004.11.15-18).
301. U. J. Kim, X. M. Liu, C. A. Furtado, G. Chen, R. Saito, J. Jiang, M. S. Dresselhaus, P. C. Eklund: “Infrared-active vibrational modes of single-walled carbon nanotubes”, International symposium on nano-carbons 2004 (invited), Hotel Metropolitan Nagano, (2004.11.15-18).
302. U. J. Kim, X. Liu, C. A. Furtado, G. Chen, H. R. Gutierrez, R. Saito, J. Jiang, M. S. Dresselhaus P. C. Eklund: “Chemical processing and the infrared-active vibrational modes of single-walled carbon nanotubes”, MRS Fall Meeting, 2004, Hynes convention center and Sheraton Boston hotel, Boston, MA, USA, (2004.11.29-12.3).
303. Ge. G. Samsonidze, R. Saito, J. Jiang, A. Grüneis, N. Kobayashi, A. Jorio, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus: “Corrections to the optical transition energies in single wall carbon nanotubes of smaller diameters”, MRS Fall Meeting 2004, Hynes convention center and Sheraton Boston hotel, Boston, MA, USA, (2004.11.29-12.3).
304. A. Jorio, L. G. Cançado, M. Souza, C. Fantini, M. A. Pimenta, Ge. G. Samsonidze, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus, A. Grüneis, R. Saito: “Resonance Raman spectroscopy to study and characterize defects on carbon nanotubes and other nano-graphite systems”, MRS Fall Meeting 2004, Hynes convention center and Sheraton Boston hotel, Boston, MA, USA, (2004.11.29-12.3).
305. S. G. Chou, H. B. Rubeiro, E. B. Barros, A. P. Santos, Ge. G. Samsonidze, M. A. Pimenta, A. Jorio, F. P. Filho, M. S. Dresselhaus, R. Saito, M. Zheng, G. B. Onoa, E. D. Semke, A. K. Swan, M. S. Unlu, B. B. Goldberg: “Optical Characterizations of DNA wrapped Carbon Nanotubes Hybrids”, MRS Fall Meeting 2004, Hynes convention center and Sheraton Boston hotel, Boston, MA, USA, (2004.11.29-12.3).
306. 齋藤 理一郎: “単層カーボンナノチューブの光学的特性”, 第 28 回フラーレン・ナノチューブ総合シンポジウム, 3S-6 (特別講演), 名城大学 天白キャンパス, (2005.1.7-9).
307. J. Jiang, R. Saito, A. Gruneis, G. Dresselhaus, M. S. Dresselhaus: “Electron-phonon interaction and mean free path in metallic nanotubes”, 第 28 回フラーレン・ナノチューブ総合シンポジウム, 1-9, 名城大学 天白キャンパス, (2005.1.7-9).
308. 佐藤健太郎, 齋藤 理一郎, J. Jiang, A. Gruneis, 嶋田行志: “単層カーボンナノチューブの 2 フォノンによるラマン強度”, 第 28 回フラーレン・ナノチューブ総合シンポジウム, 1P-32, 名城大学 天白キャンパス, (2005.1.7-9).

309. 小山祐司, 齋藤 理一郎, J. Jiang, A. Grüneis, 丸山茂夫: “2 タイプの半導体単層カーボンナノチューブにおける光学吸収および発光強度”, 第 28 回フラーレン・ナノチューブ総合シンポジウム, 1P-30, 名城大学 天白キャンパス, (2005.1.7-9).
310. 小林 直樹, 齋藤 理一郎, J. Jiang, Y. Oyama, A. Grüneis, Ge. G. Samsonidze: “構造最適化単層カーボンナノチューブにおける光学遷移エネルギー計算”, 第 28 回フラーレン・ナノチューブ総合シンポジウム, 1P-26, 名城大学 天白キャンパス, (2005.1.7-9).
311. 佐藤 庸平, 寺内 正己, 齋藤 弥八, 齋藤 理一郎: “高分解能 EELS による二層カーボンナノチューブの電子構造の研究”, 第 28 回フラーレン・ナノチューブ総合シンポジウム, 1P-22, 名城大学 天白キャンパス, (2005.1.7-9).
312. 齋藤 理一郎: “ナノカーボンの共鳴ラマン分光と発光”, 第 3 回ナノカーボン研究会 (招待講演), 長野メトロポリタンホテル, (2005.3.2).
313. Probing the Phonon-Assisted Relaxation Process in DNA-wrapped Carbon Nanotubes Using Polarization Dependent Optical Spectroscopy: “S. G. Chou, A. Welsh, Ge. G. Samsonidze, J. Jiang, R. Saito, F. Pelntz, A. Jorio, M. A. Pimenta, M. Zheng, G. B. Onoa, E. Semke, G. Dresselhaus, M. S. Dresselhaus, A. Swan, B. Goldberg, S. Unlu”, 2005 APS March Meeting, Los Angeles Convention Center, Los Angeles, CA, (2005.3.21-25).
314. (n, m) dependent effects on the Resonance Raman Spectroscopy for small diameter single-wall carbon nanotubes: “A. Jorio, C. Fantini, M. A. Pimenta, R. B. Capaz, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, J. Jiang, N. Kobayashi, A. Grüneis, R. Saito”, 2005 APS March Meeting, Los Angeles Convention Center, Los Angeles, CA, (2005.3.21-25).
315. Resonance Raman intensity excitation spectra of single wall carbon nanotubes: “R. Saito, J. Jiang, A. Grüneis, S. G. Chou, Ge. G. Samsonidze, A. Jorio, G. Dresselhaus, M. S. Dresselhaus”, 2005 APS March Meeting, Los Angeles Convention Center, Los Angeles, CA, (2005.3.21-25).
316. Intermediate frequency modes in resonance Raman spectra of single-wall carbon nanotubes: “C. Fantini, A. Jorio, M. Souza, R. Saito, Ge. G. Samsonidze, M. S. Dresselhaus, M. A. Pimenta”, 2005 APS March Meeting, Los Angeles Convention Center, Los Angeles, CA, (2005.3.21-25).
317. The physics behind the family behavior of optical transition energies in single-wall carbon nanotubes: “Ge. G. Samsonidze, R. Saito, J. Jiang, A. Grüneis, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus”, 2005 APS March Meeting, Los Angeles Convention Center, Los Angeles, CA, (2005.3.21-25).
318. Infrared-Active Vibrational Modes of Single-Walled Carbon Nanotubes: “U. J. Kim, X. Liu, C. A. Furtado, G. Chen, R. Saito, J. Jiang, M. S. Dresselhaus, P. C. Eklund”, 2005 APS March Meeting, Los Angeles Convention Center, Los Angeles, CA, (2005.3.21-25).
319. Remarks on Edge States with the Aharonov-Bohm Flux: “K. Sasaki, Y. Kawazoe, R. Saito, S. Murakami”, 2005 APS March Meeting, Los Angeles Convention Center, Los Angeles, CA, (2005.3.21-25).
320. 齋藤 理一郎: “蛍光分光、ラマン分光はナノチューブの評価の決定打か? - part1 (招待講演)”, 日本物理学会第 60 回年次大会 領域 7 シンポジウム, 東京理科大学野田キャンパス, (2005.3.24-27).
321. 齋藤 理一郎: “金属カーボンナノチューブの特異な電子状態と物性”, 日本金属学会 2005 年春期 (第 136 回) 大会シンポジウム 『エキゾチックな化合物の電子論と相安定性および物性～新機能材料としての可能性と今後の展望～』 (基調講演), 横浜国立大学保土ヶ谷キャンパス, (2005.3.29-31).
322. Y. Sato, M. Terauchi, Y. Saito, R. Saito: “High energy-resolution electron energy-loss spectroscopy study of the electric structure of two-wall carbon nanotubes”, Enhanced Data Generated by Electron 2005, EDGE2005, Grunlsee, Austria, (2005.5.1-5).
323. 齋藤 理一郎: “カーボンナノチューブの物理学 (招待講演)”, 物理に夢中, 東北大学川内キャンパス, 仙台, (2005.5.13).
324. 齋藤 理一郎: “カーボンナノチューブの共鳴ラマン分光と発光分光 (招待講演)”, 物性セミナー, 東京大学大学院理学系研究科物理, 東京, (2005.5.17).
325. 齋藤 理一郎: “カーボンナノチューブの基礎と応用”, 物性談話会 (招待講演), 名古屋大学大学院工学研究科量子工学, 名古屋, (2005.6.9).
326. 齋藤 理一郎: “カーボンナノチューブのラマン分光、蛍光分光による評価 (招待講演)”, CPC 研究会, 総評会館, お茶の水, 東京, (2005.6.17).

327. U. J. Kim, X. M. Liu, C. A. Furtado, G. Chen, R. Saito, J. Jiang, M.S. Dresselhaus and P. C. Eklund: “Infrared-Active Vibrational Modes of Single-Walled Carbon Nanotubes”, Sixth International Conference on the Science and Application of Nanotubes, Gothenburg, Sweden, (2005.6.26-7.1).
328. R. Saito, J. Jiang, Y. Oyama, K. Sato, S. G. Chou, G. Ge. Samsonidze, A. Jorio, M. A. Pimenta: “Relaxation processes in Raman and photoluminescence of single-wall carbon nanotube”, Sixth International Conference on the Science and Application of Nanotubes, Gothenburg, Sweden, (2005.6.26-7.1).
329. M. A. Pimenta, A. Jorio, F. Plentz, C. Fantini, H. B. Ribeiro, R. Saito, M. S. Dresselhaus, M. S. Strano, and D. Resasco: “Optical transitions and phonon-related processes in different samples of carbon nanotubes using resonance Raman and photoluminescence excitation spectroscopy”, Sixth International Conference on the Science and Application of Nanotubes, Gothenburg, Sweden, (2005.6.26-7.1).
330. J. Jiang, R. Saito, Y. Oyama¹, K. Sato¹, A. Gruneis, S. G. Chou, Ge. G. Samsonidze, A. Jorio, S. Roch, G. Dresselhaus, M. S. Dresselhaus: “Family pattern in electron-phonon matrix elements and relaxation time in carbon nanotubes”, Sixth International Conference on the Science and Application of Nanotubes, Gothenburg, Sweden, (2005.6.26-7.1).
331. E. Cruz-Silva, M. Terrones, F. Lopez-Urlas, E. Munoz-sandoval, H. Terrones, R. Saito, M. Dresselhaus, M. Endo: “Structural, Electronic and vibrational properties of atomic carbon nanowires”, Sixth International Conference on the Science and Application of Nanotubes, Gothenburg, Sweden, (2005.6.26-7.1).
332. R. Saito: “Raman and Photoluminescence intensity of single wall carbon nanotubes (invited)”, Nanotube lunch at the RLE House, MIT, Boston, USA, (2005.7.17).
333. R. Saito, J. Jiang, K. Sato, Y. Oyama, C. Fantini, A. Jorio, M. A. Pimenta, Ge. G. Samsonidze, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus: “Raman and photoluminescence intensity calculation of single wall carbon nanotubes”, 1st Workshop on Nanotube Optics and Nanospectroscopy (WONTON 2005), Telluride Science Research Center, Telluride, Colorado, USA, (2005.7.17-20).
334. M. S. Dresselhaus, A. Jorio, R. Saito: “Carbon nanotube physics from Raman and photoluminescence processes (keynote)”, 1st Workshop on Nanotube Optics and Nanospectroscopy (WONTON 2005), Telluride Science Research Center, Telluride, Colorado, USA, (2005.7.17-20).
335. A. Jorion C. Fantini, J. Jiang, R. Saito, Ge. G. Samsonidze, M. S. Dresselhaus, M. Strano, D. E. Resasco, M. A. Pimenta: “Resonance Raman spectroscopy of carbon nanotubes with many excitation laser lines”, 1st Workshop on Nanotube Optics and Nanospectroscopy (WONTON 2005), Telluride Science Research Center, Telluride, Colorado, USA, (2005.7.17-20).
336. 小山祐司, 齋藤 理一郎, J. Jiang, A. Gruneis, Ge. G. Samsonidze, 宮内雄平, 丸山茂夫: “緩和過程にもとづく半導体単層カーボンナノチューブのフォトルミネッセンス強度計算”, 第29回フラーレン・ナノチューブ総合シンポジウム, 1P-48, 京都大学, (2005.7.25-27).
337. 佐藤健太郎, 齋藤 理一郎, J. Jiang, A. Gruneis, Ge. G. Samsonidze: “単層カーボンナノチューブによる中間周波数領域におけるラマン散乱強度”, 第29回フラーレン・ナノチューブ総合シンポジウム, 1P-49, 京都大学, (2005.7.25-27).
338. J. Jiang, R. Saito, Ge. G. Samsonidze, S. G. Chou, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “Family pattern of the electron-phonon matrix elements and the mean free path in single-wall carbon nanotubes”, 第29回フラーレン・ナノチューブ総合シンポジウム, 1P-50, 京都大学, (2005.7.25-27).
339. 岡崎俊也, 齋藤毅, 松浦宏治, 大嶋哲, 湯村守雄, 小山祐司, 齋藤 理一郎, 飯島澄男: “単層カーボンナノチューブミセル溶液の発光マッピングにおける分散の効果”, 第29回フラーレン・ナノチューブ総合シンポジウム, 3-6, 京都大学, (2005.7.25-27).
340. F. Triozon, S. Roche, S. Latil, J. Jiang, R. Saito: “Mesoscopic Transport in Carbon Nanotubes : Anomalous Magnetoresistance Phenomena and Quantum Decoherence”, Trends in Nanotechnology (TNT2005), Oviedo, Spain, (2005.8.29-9.2).
341. R. Saito, K. Sato, Y. Oyama, J. Jiang. A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “Optical response of

- carbon nanotubes (invited)", 第54回 藤原セミナー, グランドホテルニュー王子、苫小牧, (2005.9.1-9.4).
342. R. Saito, K. Sato, Y. Oyama, J. Jiang, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: "Optical properties of carbon nanotubes (invited)", 5th NSF-MEXT international symposium on nano-technology, Stanford University, USA, (2005.9.12-9.15).
343. 佐々木 健一, 村上 修一, 齋藤 理一郎, 川添 良幸: "エッジ状態の安定性", 日本物理学会 2005 年秋季大会, 同志社大学 京田辺キャンパス, (2005.9.19-22).
344. 佐藤 庸平, 寺内 正巳, 齋藤 弥八, 齋藤 理一郎: "TEM-EELS による 2 層カーボンナノチューブの電子構造の研究", 日本物理学会 2005 年秋季大会, 同志社大学 京田辺キャンパス, (2005.9.19-22).
345. 齋藤 理一郎, J. Jiang, 小山 祐司, 佐藤 健太郎: "ナノチューブの電子格子相互作用と発光分光における緩和", 日本物理学会 2005 年秋季大会, 同志社大学 京田辺キャンパス, (2005.9.19-22).
346. 齋藤 理一郎: "ナノチューブ欠陥に起因するラマンスペクトル (招待講演)", 領域 10 シンポジウム: カーボンナノチューブの欠陥と物性, 日本物理学会 2005 年秋季大会, 同志社大学 京田辺キャンパス, (2005.9.19-22).
347. 岡崎俊也, 齋藤毅, 松浦広治, 大嶋哲, 湯村守雄, 小山祐司, 齋藤 理一郎, 飯島澄男: "カーボンナノチューブ構造分布評価法としての発光マッピング", 分子構造総合討論会, タワーホール船堀, 東京江戸川区, (2005.9.27-30).
348. 齋藤 理一郎: "「ナノチューブの科学」—ナノテクノロジーはシリコンから炭素へ— (招待講演)", 平成基礎科学財団講演会、楽しむ科学教室, 東京大学, (2005.10.22).
349. 齋藤 理一郎: "カーボンナノチューブのラマン分光を主とした物性 (招待講演)", カーボンナノチューブを利用した複合材の開発研究会, 愛知県科学技術交流財団, 名城大学, (2005.11.17).
350. R. Saito, K. Sato, Y. Oyama, J. Jiang, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: "Electron phonon interaction and optical response of carbon nanotubes", 2nd Korea-Japan Symposium on Carbon Nanotubes (invited), Taikansou, Matsushima, Miyagi, (2005.11.28-30).
351. J. Jiang, R. Saito, Y. Oyama, K. Sato, Ge. G. Samsonidze, S. G. Chou, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: "Excitonic properties of single-walled carbon nanotubes", 2nd Korea-Japan Symposium on Carbon Nanotubes, Taikansou, Matsushima, Miyagi, (2005.11.28-30).
352. K. Sato, R. Saito, L. G. Cancado, Y. Oyama, J. Jiang, A. Jorio, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, M. A. Pimenta: "The Raman intensity of the D-band in graphite and single wall carbon nanotubes", 2nd Korea-Japan Symposium on Carbon Nanotubes, Taikansou, Matsushima, Miyagi, (2005.11.28-30).
353. Y. Oyama, R. Saito, K. Sato, J. Jiang, L. G. Cancado, M. A. Pimenta, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: "The elastic scattering matrix elements at defects of nano-graphite and nanotubes", 2nd Korea-Japan Symposium on Carbon Nanotubes, Taikansou, Matsushima, Miyagi, (2005.11.28-30).
354. M. Endo, M. Terrones, Y. A. Kim, T. Hayashi, H. Muramatsu, R. Saito, F. Villalpando, S. G. Chou, M. S. Dresselhaus: "Nanotube Coalescence Inducing Mode: A Novel Vibrational Mode in Carbon Systems", MRS Fall meeting, Boston, USA, (2005.11.28-12.2).
355. S. G. Chou, M. F. DeCamp, Ge. G. Samsonidze, J. Jiang, E. B. Barros, F. Plentz, A. Jorio, M. Zheng, G. B. Onoa, E. D. Semke, A. Tokmakoff, R. Saito, G. Dresselhaus, M. S. Dresselhaus: "An Optical Study of Phonon-Assisted Excitonic Processes for a (6,5) Enriched DNA-wrapped Single Walled Carbon Nanotubes Sample", MRS Fall meeting, Boston, USA, (2005.11.28-12.2).
356. Ge. G. Samsonidze, R. Saito, J. Jiang, E. B. Barros, H. Son, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus: "Vibrational properties of small diameter single-wall carbon nanotubes: a comparative study of the symmetry-adapted force-constant model vs. resonance Raman spectroscopy measurements", MRS Fall meeting, Boston, USA, (2005.11.28-12.2).
357. E. B. Barros, Ge. G. Samsonidze, H.B. Son, A. G. Souza Filho, J. Jiang, R. Saito, M. Dresselhaus: "Analysis of Defect-assisted Double Resonance Raman features of Graphite and Carbon nanotubes", MRS Fall meeting, Boston, USA, (2005.11.28-12.2).
358. A. G. Souza-Filho, N. Kobayashi, J. Jiang, A. Gruneis, R. Saito, S. Cronin, J. Mendes, Ge. G. Sam-

- sonidze, G. Dresselhaus, M. S. Dresselhaus: “Strain-induced quantum interference effects on the resonant Raman cross section of carbon nanotubes”, MRS Fall meeting, Boston, USA, (2005.11.28-12.2).
359. 齋藤 理一郎: “カーボンナノチューブの科学 (招待講演)”, 麗和セミナー, 埼玉県立浦和高等学校, 埼玉, (2005.12.16).
360. 齋藤 理一郎: “カーボンナノチューブの電子格子相互作用”, 科研費特定領域研究『異常量子物質の創製 -新しい物理を含む新物質-』2005 年度成果報告会, 東北大学 金属材料研究所, 仙台, (2005.1.5-7).
361. 齋藤 理一郎, J. Jiang, 佐藤健太郎, 小山祐司: “単層カーボンナノチューブにおける発光と共鳴ラマン分光強度のファミリーパターン”, 第 30 回フラーレン・ナノチューブ総合シンポジウム, 名城大学, 名古屋, (2005.1.7-9).
362. J. Jiang, 齋藤 理一郎, 佐藤健太郎, 小山祐司, J. S. Park: “Exciton-phonon matrix elements in single-wall carbon nanotubes”, 第 30 回フラーレン・ナノチューブ総合シンポジウム, 名城大学, 名古屋, (2005.1.7-9).
363. K. Sasaki, S. Murakami, 齋藤 理一郎: “Stabilization mechanism of edge states in graphene”, International Conference NANO-ELECTRONICS 2006, Lancaster University, UK, (2006.1.7-1.11).
364. R. Saito, J. Jiang, S. Roche, K. Sasaki, S. Murakami, K. Sato, Y. Oyama: “Magnetic properties of carbon nanotubes and nanographite (invited)”, International Workshop on High Magnetic Field Research, National Institute for Materials Science, Tsukuba, (2006.1.17-20).
365. 齋藤 理一郎, 佐藤健太郎, 小山祐司, J. Jiang: “ナノグラファイトにおける D-band ラマン強度 (invited)”, ナノカーボン研究会, 小布施, 長野, (2006.2.17).
366. R. Saito, J. Jiang, J. S. Park, K. Sato, Y. Oyama: “Resonance Raman and photoluminescence spectroscopy of single wall carbon nanotubes and nanographite (invited)”, Seminar at Center for Nanotubes and Nanostructured Composites Sungkyunkwan University, Sungkyunkwan University, Suwon, Korea, (2006.2.22).
367. R. Saito, J. Jiang, J. S. Park, K. Sato, Y. Oyama: “Spectroscopy intensity calculation of single wall carbon nanotubes”, アジア研究教育拠点事業成果発表会, 博多エクセル東急ホテル, (2006.3.6-7).
368. M. Endo, M. Terrones, Y. A. Kim, T. Hayashi, H. Muramatsu, R. Saito, F. Villalpando-Paez, S. G. Chou, M. S. Dresselhaus: “A Novel Vibrational Mode in Carbon Systems”, APS March meeting, Baltimore convention center, Baltimore, MD, USA, (2006.3.13-17).
369. Ge. G. Samsonidze, H. Son, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus, R. Saito, J. Jiang, E. B. Barros, A. G. Souza Filho: “Phonon anomalies in the resonance Raman spectra of graphite and single-wall carbon nanotubes”, APS March meeting, Baltimore convention center, Baltimore, MD, USA, (2006.3.13-17).
370. P. A. T. Araújo, S. K. Doorn, A. G. Souza Filho, J. Jiang, R. Saito, S. Maruyama, M. A. Pimenta, A. Jorio: “Resonance Raman Spectroscopy of $1.2 < d_t < 2.0$ nm Diameter Single Wall Carbon Nanotubes in the E_{33}^S and E_{44}^S Optical Range”, APS March meeting, Baltimore convention center, Baltimore, MD, USA, (2006.3.13-17).
371. R. Saito, J. Jiang, K. Sato, A. Jorio, Ge. G. Samsonidze, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus: “Chirality dependence of Raman intensity of single wall carbon nanotubes”, APS March meeting, Baltimore convention center, Baltimore, MD, USA, (2006.3.13-17).
372. A. Jorio, C. Fantini, P. A. T. Araujo, M. A. Pimenta, D. A. Heller, M. S. Strano, M. S. Dresselhaus, Y. Oyama, J. Jiang, R. Saito: “Carbon Nanotube Population Analysis from Raman and Photoluminescence Intensities”, APS March meeting, Baltimore convention center, Baltimore, MD, USA, (2006.3.13-17).
373. S. G. Chou, H. Son, E. B. Barros, Ge. G. Samsonidze, M. Zheng, R. Saito, G. Dresselhaus, M. S. Dresselhaus: “Optical studies of finite length effects in short DNA-wrapped carbon nanotubes”, APS March meeting, Baltimore convention center, Baltimore, MD, USA, (2006.3.13-17).
374. C. Fantini, E. Cruz, A. Jorio, M. Terrones, H. Terrones, G. Van Lier, J-C. Charlier, M. S. Dresselhaus, R. Saito, Y. A. Kim, T. Hayashi, M. Muramatsu, M. Endo, M. A. Pimenta: “Resonance Raman Study of Linear Carbon Chains Formed by the Heat Treatment of Double-Wall Carbon Nanotubes”, APS

- March meeting, Baltimore convention center, Baltimore, MD, USA, (2006.3.13-17).
375. A. Souza-Filho, M. Endo, H. Muramatsu, Y. A. Kim, T. Hayashi, N. Akuzawa, R. Saito, M. S. Dresselhaus: Resonant Raman scattering in Br₂-adsorbed double wall carbon nanotubes, APS March meeting **2006.3.13-17**, Baltimore convention center, Baltimore, MD, USA ().
376. 齋藤 理一郎: “カーボンナノチューブの単分子分光と励起電子の緩和機構 (招待講演)”, 平成 18 年春季応用物理学会シンポジウム「ナノサイエンスとしてのカーボンナノチューブ研究」, 武蔵工業大学, (2006.3.22).
377. 齋藤 理一郎, J. Jiang, 佐藤 健太郎, 小山 祐司, Park Jin Sung: “ナノチューブの発光強度とラマン強度における励起子効果”, 日本物理学会 第 61 回年次大会, 愛媛大学・松山大学, (2006.3.27-30).
378. 佐藤 健太郎, 小山 祐司, 齋藤 理一郎, J. Jiang: “ナノチューブの弾性散乱と D-band 強度”, 日本物理学会 第 61 回年次大会, 愛媛大学・松山大学, (2006.3.27-30).
379. 佐藤庸平, 寺内正己, 齋藤 弥八, 齋藤 理一郎: “TEM-EELS によるカーボンナノチューブの電子構造の研究”, 日本物理学会 第 61 回年次大会, 愛媛大学・松山大学, (2006.3.27-30).
380. R. Saito, J. Jiang, J. S. Park, K. Sato: “Photoluminescence and resonance Raman intensity of single wall carbon nanotubes”, Symposium at HKUST (invited), HKUST, Hong Kong, (2006.4.11-14).
381. R. Saito, J. Jiang, K. Sato, J. S. Park, G. S. Chou, Ge. G. Samsonidze, A. Jorio, M. A. Pimenta, A. G. Souza-Filho, G. Dresselhaus, M. S. Dresselhaus: “Chirality and energy dependence of first and second order resonance Raman intensity”, Seventh International Conference on the Science and Application of Nanotubes (NT06), Hotel Metropolitan Nagano, Nagano, Japan, (2006.6.20).
382. K. Sato, R. Saito, Y. Oyama, J. Jiang, L. G. Cançado, M. A. Pimenta, A. Jorio, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: “Two phonon Raman intensity of single wall carbon nanotubes and graphite”, Seventh International Conference on the Science and Application of Nanotubes (NT06), Hotel Metropolitan Nagano, Nagano, Japan, (2006.6.20).
383. J. Jiang, R. Saito, K. Sato, Y. Oyama, J. S. Park, Ge. G. Samsonidze, A. Jorio, G. S. Chou, G. Dresselhaus, M. S. Dresselhaus: “Chirality dependence of the exciton effects in single-wall carbon nanotubes”, Seventh International Conference on the Science and Application of Nanotubes (NT06), Hotel Metropolitan Nagano, Nagano, Japan, (2006.6.23).
384. J. S. Park, Y. Oyama, R. Saito, W. Izumida, J. Jiang, K. Sato, C. Fantini, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “Raman resonance window of Single wall carbon nanotubes”, Seventh International Conference on the Science and Application of Nanotubes (NT06), Hotel Metropolitan Nagano, Nagano, JAPAN, (2006. 6.18-23).
385. M. A. Pimenta, A. Jorio, F. Plentz, C. Fantini, L. G. Cançado, M. S. Dresselhaus, R. Saito, M. Endo, T. Enoki, K. Takai, Y. A. Kim: “Seventh International Conference on the Science and Application of Nanotubes (NT06)”, 2006.6.18-23, (Hotel Metropolitan Nagano, Nagano, Japan).
386. 佐々木健一, 鈴木雅裕, 齋藤 理一郎: “カーボンナノチューブにおけるエッジ状態のバンド幅構造と超伝導”, 第 31 回フラーレン・ナノチューブ総合シンポジウム, 三重県総合文化センター, 三重県, (2006.7.12).
387. 佐藤健太郎, 齋藤 理一郎, J. Jiang, J. S. Park, L. G. Cançado, M. A. Pimenta, A. Jorio, Ge. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: “カーボンナノチューブとグラファイトにおける二重共鳴ラマン分光”, 第 31 回フラーレン・ナノチューブ総合シンポジウム, 三重県総合文化センター, 三重県, (2006.7.13).
388. 前田優, 神田信, 橋本正博, 長谷川正, 若原孝次, 赤阪健, 永瀬茂, Said Kazaoui, 南信次, 清水哲夫, 徳本洋, 齋藤 理一郎: “金属性 SWNTs の効率的簡便分離法”, 第 31 回フラーレン・ナノチューブ総合シンポジウム, 三重県総合文化センター, 三重県, (2006.7.13).
389. B. P. Zhang, K. Shimazaki, T. Shiokawa, M. Suzuki, H. Yoshida, Y. Homma, R. Saito, K. Ishibashi: “Stimulated Raman scattering of single-wall carbon nanotube”, The 28th International Conference on the Physics of Semiconductors, Vienna, Austria, (2006.7.24-28).
390. Y. Satoh, M. Terauchi, Y. Saito, R. Saito: “High energy-resolution electron energy-loss spectroscopy study of the electronic structure of carbon nanotubes”, The 16th International Microscopy

- Congress, Sapporo Convention Center, Sapporo, JAPAN, (2006.9.3-8).
391. R. Saito, J. Jiang, K. Sato, J. S. Park, A. Jorio, G. Ge. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: “Excitonic effect on resonance Raman spectroscopy of single wall carbon nanotubes (invited)”, Workshop of Foundations and Applications of Raman Spectroscopy, Fortaleza, Brazil, (2006.9.24-26).
392. 佐々木 健一、鈴木 雅裕、齋藤 理一郎: “カーボンナノチューブにおけるエッジ状態の超伝導”, 日本物理学会 2006 年秋季大会, 千葉大学, (2006.9.23-26).
393. 佐藤 健太郎、齋藤 理一郎, J. Jiang, J. S. Park: “カーボンナノチューブにおける二重共鳴ラマン強度”, 日本物理学会 2006 年秋季大会, 千葉大学, (2006.9.23-26).
394. 佐々木 健一, 村上 修一, 齋藤 理一郎: “エッジ状態の連続理論”, 日本物理学会 2006 年秋季大会, 千葉大学, (2006.9.23-26).
395. R. Saito, J. Jiang, K. Sato, J. S. Park, A. Jorio, G. Ge. Samsonidze, G. Dresselhaus, M. S. Dresselhaus: “Excitonic effect on resonance Raman spectroscopy of single wall carbon nanotubes (invited)”, Workshop on Foundations and Applications of Raman Spectroscopy, Fortaleza, Brazil, (2006.9.24-26).
396. 齋藤 理一郎: “カーボンナノチューブの科学 (招待講演)”, 仙台第三高等学校理数科研修会および日本物理学会東北支部出前授業, エスポワール宮城 仙台, (2006.10.4).
397. R. Saito, J. Jiang, K. Sato, J. S. Park, G. Dresselhaus and M. S. Dresselhaus: “Exciton-phonon interaction and resonance Raman intensity of single wall carbon nanotubes”, The 3rd Japan-Korea Symposium on Carbon Nanotubes, Gyeongju TEMP Hotel, Gyeongju, KOREA, (2006.10.14-17).
398. J. S. Park, R. Saito, K. Sato, J. Jiang, K. K. Kim, Y. H. Lee, G. Dresselhaus and M. S. Dresselhaus: “Chirality dependence of G' band intensity on Raman Spectra of Single Wall Carbon Nanotubes”, The 3rd Japan-Korea Symposium on Carbon Nanotubes, Gyeongju TEMP Hotel, Gyeongju, KOREA, (2006.10.14-17).
399. K. Sato, R. Saito, J. Jiang, J. S. Park, G. Dresselhaus and M. S. Dresselhaus: “Chirality and diameter dependence of two phonon Raman intensities of single wall carbon nanotubes”, The 3rd Japan-Korea Symposium on Carbon Nanotubes, Gyeongju TEMP Hotel, Gyeongju, KOREA, (2006.10.14-17).
400. 齋藤 理一郎: “Excitonic states and resonance Raman spectroscopy of single wall carbon nanotubes (invited)”, Hsun Lee lecture, 中国科学院金属材料研究所, 瀋陽, 中国, (2006.10.25).
401. 齋藤 理一郎: “Resonance Raman spectroscopy of carbon nanotubes”, Physics Seminar at QingHua University, Department of Physics, QingHua University, China, (2006.11.24).
402. Ge. G. Samsonidze, E. B. Barros, H. Son, R. Saito, G. Dresselhaus, M. S. Dresselhaus: “Band-gap Modulation and Kohn Anomalies in Two-dimensional Graphite and Single-wall Carbon Nanotubes”, MRS, Fall meeting, Boston Convention center, (2006.11.27-12.1).
403. S. G. Chou, H. B. Son, M. Zheng, A. Jorio, R. Saito, G. Dresselhaus, M. Dresselhaus: “Length characterization of single walled carbon nanotubes using resonance Raman spectroscopy”, MRS, Fall meeting, Boston Convention center, (2006.11.27-12.1).
404. A. G. Souza Filho, M. Endo, H. Muramatsu, T. Hayashi, Y. A. Kim, E. B. Barros, N. Akuzawa, Ge. G. Samsonidze, R. Saito, and M. S. Dresselhaus: “Raman scattering studies on Br₂-doped double wall carbon nanotubes”, MRS, Fall meeting, Boston Convention center, (2006.11.27-12.1).
405. 西原洋知, 楊全紅, 侯鵬翔, Juan I. Paredes, Amelia Martinez-Alonso, Juan M.D. Tascon, 海野雅司, 山内清語, 齋藤 理一郎, 京谷隆: “ゼオライト細孔内で合成した規則性マイクロポーラスカーボンの分子構造モデル”, 第 33 回炭素材料学会年会, 北海道大学学術交流会館, (2006.12.6-8).
406. 齋藤 理一郎, 佐々木健一, 大成誠一郎, 田仲由喜夫: “グラフェンの超伝導”, 科研費特定領域成果報告会, 東大, 弥生講堂・一条ホール, (2007.1.5-7).
407. 齋藤 理一郎, J. Jiang, 佐藤健太郎, J. S. Park: “Exciton effect on Raman spectra of single wall carbon nanotubes”, 第 32 回フラーレン・ナノチューブ総合シンポジウム, 名城大学 共通講義棟北館, (2007.2.13-15).
408. 佐々木健一, J. Jiang, 齋藤 理一郎, 大成誠一郎, 田仲由喜夫: “Theory of superconductivity of carbon nanotubes and graphene”, 第 32 回フラーレン・ナノチ

- ューブ総合シンポジウム, 名城大学 共通講義棟北館, (2007.2.13-15).
409. J. S. Park, R. Saito, K. Sato, J. Jiang, K. K. Kim, Y. H. Lee, G. Dresselhaus and M. S. Dresselhaus: “Chirality dependence of G' band intensity on Raman spectra of single wall carbon nanotubes”, 第32回フラーレン・ナノチューブ総合シンポジウム, 名城大学 共通講義棟北館, (2007.2.13-15).
410. K. Sasaki, J. Jiang, R. Saito, S. Onari, Y. Tanaka: “Theory of superconductivity in carbon nanotubes and graphene”, APS March meeting, Denver Colorado, (2007.3.5-9).
411. S. G. Chou, H. Son, A. Zare, A. Jorio, R. Saito, M. S. Dresselhaus, G. Dresselhaus: “Length characterization of DNA-wrapped carbon nanotubes using Raman Spectroscopy”, APS March meeting, Denver Colorado, (2007.3.5-9).
412. G. Samsonidze, E. Barros, R. Saito, H. Son, G. Dresselhaus, M. S. Dresselhaus: “Electron-phonon coupling mechanism, Kohn anomalies and Peierls instabilities in two-dimensional graphite and single-wall carbon nanotubes”, APS March meeting, Denver Colorado, (2007.3.5-9).
413. R. Saito, J. Jiang, A. Jorio, K. Sato, G. Dresselhaus, M. S. Dresselhaus: “Exciton-phonon interaction and Raman intensity of carbon nanotubes”, APS March meeting, Denver Colorado, (2007.3.5-9).
414. E. Barros, A. S. Filho, Y. A. Kim, H. Muramatsu, T. Hayashi, R. Saito, M. Endo, M. S. Dresselhaus: “Raman Spectroscopy in Single-Wall and Double-Wall Carbon Nanotube Systems Doped with H₂SO₄”, APS March meeting, Denver Colorado, (2007.3.5-9).
415. 齋藤 理一郎, J. Jiang, 佐藤健太郎, J. S. Park: “ナノチューブの励起子フォノン相互作用とラマン強度”, 日本物理学会 2007 年春季大会, 鹿児島大学郡元キャンパス, (2007.3.18-21).
416. 佐々木健一, 鈴木雅裕, 齋藤 理一郎, 大成誠一郎, 田仲由喜夫: “カーボンナノチューブにおけるエッジ超伝導理論”, 日本物理学会 2007 年春季大会, 鹿児島大学郡元キャンパス, (2007.3.18-21).
417. 佐藤健太郎, 齋藤 理一郎, Jie Jiang, Ado Jorio: “ナノチューブの光学遷移における励起子効果”, 日本物理学会 2007 年春季大会, 鹿児島大学郡元キャンパス, (2007.3.18-21).
418. 齋藤 理一郎: “ナノチューブの励起子と共鳴ラマンスペクトル (招待講演)”, 東京工業大学 COE21 量子ナノ物理学研究会「カーボンナノチューブの光学応答」, 東京工業大学百年記念館, (2007.3.22).
419. R. Saito, J. Jiang, K. Sato, J. S. Park, G. Dresselhaus, M. S. Dresselhaus: “Exciton-phonon interaction and Raman intensity of carbon nanotubes (invited)”, 2nd Workshop on Nanotube Optics and Nanospectroscopy, Wonton 2007, Lord Elgin Hotel, Ottawa, Canada, (2007.6.4-7).
420. A. Jorio, P. T. Araujo, I. O. Maciel, P. B. C. Pesce, L. M. Moreira, M. A. Pimenta, M. S. Dresselhaus, J. Jiang, R. Saito, S. Tretiak, S. Doorn: “The optical transitions for single wall carbon nanotubes up to 4nm diameter (invited)”, 2nd Workshop on Nanotube Optics and Nanospectroscopy, Wonton 2007, Lord Elgin Hotel, Ottawa, Canada, (2007.6.4-7).
421. J. Jiang, R. Saito, K. Sato, J. S. Park, Ge. G. Samsonidze, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “Exciton-photon, exciton-phonon matrix elements and resonance Raman intensity of single-wall carbon nanotubes”, 19th Annual Workshop on Recent Developments in Electronics, North Carolina State University, (2007.6.13-15).
422. Y. Miyauchi, R. Saito, K. Sato, Y. Ohno, S. Iwasaki, T. Mizutani, J. Jiang, S. Maruyama: “Dependence of exciton transition energy of single-walled carbon nanotubes on surrounding dielectric materials”, Eighth International Conference on the Science and Application of Nanotubes, NT07, Parque Metalurgico - Centro De Arles e Convencoes, Ouro Preto, Minas Gerais, Brazil, (2007.6.24-29).
423. K. Sato, R. Saito, J. Jiang, J. S. Park, G. Dresselhaus, M. S. Dresselhaus: “Many body effects for E₃₃ and E₄₄ optical transition of single wall carbon nanotubes”, Eighth International Conference on the Science and Application of Nanotubes, NT07, Parque Metalurgico - Centro De Arles e Convencoes, Ouro Preto, Minas Gerais, Brazil, (2007.6.24-29).
424. J. S. Park, R. Saito, K. Sato, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: “Raman Effect by Length Control of the Single Wall Carbon Nanotube”, Eighth International Conference on the Science and Application of Nanotubes, NT07, Parque Metalurgico - Centro

- De Arles e Convenções, Ouro Preto, Minas Gerais, Brazil, (2007.6.24-29).
425. R. Saito, K. Sato, J. S. Park, Y. Miyauchi, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: “Exciton properties for Raman spectra of single wall carbon nanotubes”, Eighth International Conference on the Science and Application of Nanotubes, NT07, Parque Metalurgico - Centro De Arles e Convenções, Ouro Preto, Minas Gerais, Brazil, (2007.6.24-29).
426. E. B. Barros. Ge. G. Samsonidze, K. Sato, R. Saito: “D Band Intensity Calculation for Graphene and SWNTs”, Eighth International Conference on the Science and Application of Nanotubes, NT07, Parque Metalurgico - Centro De Arles e Convenções, Ouro Preto, Minas Gerais, Brazil, (2007.6.24-29).
427. Ki Kang Kim, Jin Sung Park, Sung Jin Kim, Hong Zhang Geng, Kay Hyeok An, Cheol-Min Yang, Kentaro Sato, R. Saito, Young Hee Lee: “Dependence of the G'-band intensity in Raman spectra on the metallicity of single wall carbon nanotubes”, Eighth International Conference on the Science and Application of Nanotubes, NT07, Parque Metalurgico - Centro De Arles e Convenções, Ouro Preto, Minas Gerais, Brazil, (2007.6.24-29).
428. Leandro M Malard, D. Nishide, A. P. Gomes, L. G. Dias, R. B. Capaz, A. Jorio, C. A. Achete, R. Saito, Y. Achiba, H. Shinohara, M. A. Pimenta: “Resonance Raman study of polyynes encapsulated in single wall carbon nanotubes”, Eighth International Conference on the Science and Application of Nanotubes, NT07, Parque Metalurgico - Centro De Arles e Convenções, Ouro Preto, Minas Gerais, Brazil, (2007.6.24-29).
429. 宮内雄平, 齋藤 理一郎, 佐藤健太郎, 大野雄高, 岩崎真也, 水谷孝, Jie Jiang, 丸山茂夫: “単層カーボンナノチューブにおける環境効果”, 第33回フラーレン・ナノチューブ総合シンポジウム, 九州大学, (2007.7.11-13).
430. 佐藤健太郎, 齋藤 理一郎, Jie Jiang, Gene Dresselhaus, Mildred S. Dresselhaus: “単層カーボンナノチューブの光学遷移におけるカイラル角依存性と励起子効果”, 第33回フラーレン・ナノチューブ総合シンポジウム, 九州大学, (2007.7.11-13).
431. Eduardo B. Barros, Jin Sung Park, Georgii G. Samsonidze, R. Saito, Mildred Dresselhaus: “Effects of doping to the G' Raman spectra of single and double-wall carbon nanotubes”, 第33回フラーレン・ナノチューブ総合シンポジウム, 九州大学, (2007.7.11-13).
432. 朴珍成, 齋藤 理一郎, 佐藤健太郎, Jie Jiang, Gene Dresselhaus, Mildred S. Dresselhaus: “単層カーボンナノチューブにおけるラマン強度の長さ依存性”, 第33回フラーレン・ナノチューブ総合シンポジウム, 九州大学, (2007.7.11-13).
433. 齋藤 理一郎: “Exciton in single wall carbon nanotubes (invited)”, Semiconductor science and technology forum, 中国科学院半导体研究所, (2007.7.26).
434. R. Saito, K. Sato, J. Jiang, J. S. Park, W. Izumida, Y. Miyauchi, G. Dresselhaus, M. S. Dresselhaus: “Excitonic properties of single wall carbon nanotubes (invited)”, A3 Foresight Program (Meeting and Summer School) in Beijing, Tsinghua University, Beijing, China, (2007.7.25-29).
435. W. Izumida, K. Sato, J. S. Park, R. Saito: “Low Temperature Electron Transport through Interacting Single Wall Carbon nanotubes”, A3 Foresight Program (Meeting and Summer School) in Beijing, Tsinghua University, Beijing, China, (2007.7.25-29).
436. Jin Sung Park, R. Saito, Kentaro Sato, Jie Jiang, Gene Dresselhaus, Mildred S. Dresselhaus: “Excitonic Effect in Short Tube Length of the Single Wall Carbon Nanotube”, A3 Foresight Program (Meeting and Summer School) in Beijing, Tsinghua University, Beijing, China, (2007.7.25-29).
437. K. Sato, R. Saito, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: “Chirality and diameter dependence of exciton energy of single wall carbon nanotubes”, A3 Foresight Program (Meeting and Summer School) in Beijing, Tsinghua University, Beijing, China, (2007.7.25-29).
438. R. Saito: “Collaboration network of nanotube science in Asia”, Asia Science Forum, Sendai International Center, Sendai, (2007.9.10-11).
439. K. Sato, R. Saito, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: “Chirality and diameter dependence of exciton energy of single wall carbon nanotubes”, Asia Science Forum, Sendai International Center, Sendai, (2007.9.10-11).

440. J. S. Park, R. Saito, K. Sato, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: “Raman Effect by Length Control of the Single Wall Carbon Nanotube”, Asia Science Forum, Sendai International Center, Sendai, (2007.9.10-11).
441. 齋藤 理一郎, 佐藤健太郎, J. S. Park: “ナノチューブ励起子ファミリーパターンの不連続性”, 日本物理学会第62回年次大会, 北海道大学札幌キャンパス、札幌コンベンションセンター, (2007.9.21-24).
442. 佐藤健太郎, 齋藤 理一郎, Jie Jiang: “ナノチューブにおける短距離クーロン相互作用パラメータのカイラル角依存性”, 日本物理学会 第62回年次大会, 北海道大学札幌キャンパス、札幌コンベンションセンター, (2007.9.21-24).
443. 佐々木 健一, 鈴木 雅裕, 齋藤 理一郎, 大成 誠一郎, 田仲 由喜夫: “グラフェン超伝導のフェルミエネルギー依存性”, 日本物理学会第62回年次大会, 北海道大学, (2007.9.21-24).
444. 鈴木 雅裕, 佐々木 健一, 齋藤 理一郎, 大成 誠一郎, 田仲 由喜夫: “エッジ状態の超伝導ギャップの位置依存性”, 日本物理学会第62回年次大会, 北海道大学, (2007.9.21-24).
445. R. Saito: “Exciton Kataura plot and resonance Raman spectroscopy of single wall carbon nanotubes”, The 4th Korea-Japan Symposium on Carbon Nanotube, Kansai Seminar House, Kyoto, Japan, (2007.10.28-31).
446. K. Sasaki, M. Suzuki, R. Saito, S. Onari, Y. Tanaka: “Theory of superconductivity of carbon nanotubes and graphene”, The 4th Korea-Japan Symposium on Carbon Nanotube, Kansai Seminar House, Kyoto, Japan, (2007.10.28-31).
447. Eduardo B. Barros, Kentaro Sato, R. Saito: “Calculation of the D Band Raman Peak Intensity for Defective Graphene”, The 4th Korea-Japan Symposium on Carbon Nanotube, Kansai Seminar House, Kyoto, Japan, (2007.10.28-31).
448. Jin Sung Park, Eduardo B. Barros, R. Saito, Gene Dresselhaus, Mildred S. Dresselhaus: “G’ band Raman Spectrum of Double Layer Graphene”, The 4th Korea-Japan Symposium on Carbon Nanotube, Kansai Seminar House, Kyoto, Japan, (2007.10.28-31).
449. K. Sato, R. Saito, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: “Chirality and Diameter Dependence of Bright and Dark Exciton Energy of Single Wall Carbon Nanotubes”, The 4th Korea-Japan Symposium on Carbon Nanotube, Kansai Seminar House, Kyoto, Japan, (2007.10.28-31).
450. Y. Miyauchi, R. Saito, K. Sato, J. Jiang, S. Maruyama: “Environmental Effect on Optical Transitions of SWNTs”, The 4th Korea-Japan Symposium on Carbon Nanotube, Kansai Seminar House, Kyoto, Japan, (2007.10.28-31).
451. 齋藤 理一郎: “カーボンナノチューブの励起子とラマン分光 (招待講演)”, Nano Structured Materials Seminar, 名古屋大学, (2007.11.2).
452. R. Saito: “Excitonic properties of single wall carbon nanotubes (invited)”, YKIS 2007 “Interaction and Nanostructural Effects in Low-Dimensional Systems, Shiran Kaikan, Kyoto University, (2007.11.16).
453. 齋藤 理一郎: “カーボンナノチューブの科学 (招待講演)”, 第45回東北地区高等学校物理教育研究会, 仙台第二高等学校北陵館, (2007.12.16).
454. 齋藤 理一郎: “ナノチューブとグラフェン (招待講演)”, 第20回佐々木シンポジウム, 東京大学山上会館, (2007.12.21-22).
455. R. Saito: “Exciton and resonance Raman spectroscopy of single wall carbon nanotubes”, India-Japan Cooperative Science Programme: Recent Trends in Molecular Materials Research (invited), Hotel Samudra, Kovalam, Kerala, India, (2008.1.20-22).
456. 齋藤 理一郎, K. Sato, J.S. Park, K. Sasaki, G. Dresselhaus, M. S. Dresselhaus: “Excitonic properties and Raman spectroscopy of single wall carbon nanotubes (invited)”, International Carbon Nanotube Conference in NU, Nagoya University, Nagoya, (2008.2.14-15).
457. 佐々木 健一, 鈴木雅裕, 齋藤 理一郎, 大成誠一, 田仲 由喜夫: “グラフェンにおけるエッジ状態の磁性と超伝導”, クレストシンポジウム, 湘南国際村センター, (2008.3.1-2).
458. 齋藤 理一郎, 佐々木健一, 佐藤健太郎, 朴珍成: “金属ナノチューブにおけるラマン G-band スペクトルのソフト化”, 第34回フラーレン・ナノチューブ総合シンポジウム, 名城大学, 名古屋, (2008.3.3-5).

459. 佐々木健一, 鈴木雅裕, 齋藤 理一郎, 大成誠一郎, 田中由喜夫: “グラフェンにおけるエッジ状態の超伝導”, 第34回フラーレン・ナノチューブ総合シンポジウム, 名城大学, 名古屋, (2008.3.3-5).
460. 佐藤健太郎, 齋藤 理一郎, Jie Jiang, Gene Dresselhaus, Mildred S. Dresselhaus: “単層カーボンナノチューブの励起子における環境効果”, 第34回フラーレン・ナノチューブ総合シンポジウム, 名城大学, 名古屋, (2008.3.3-5).
461. 朴珍成, Alfonso Reina Cecco, 齋藤 理一郎, Jing Kong, Gene Dresselhaus, Mildred S. Dresselhaus: “一層、二層そして三層グラフェンの G' バンドラマンスペクトル”, 第34回フラーレン・ナノチューブ総合シンポジウム, 名城大学, 名古屋, (2008.3.3-5).
462. R. Saito, K. Sato, P. Jing Sung, Y. Miyauchi, S. Maruyama, M. Dresselhaus, G. Dresselhaus: “Environmental effect for exciton transition energy of single carbon nanotubes”, APS March Meeting 2008, New Orleans, Louisiana, USA, (2008.3.10-14).
463. K. Sasaki, M. Suzuki, R. Saito: “Theory of superconductivity by the edge states in graphene”, APS March Meeting 2008, New Orleans, Louisiana, USA, (2008.3.10-14).
464. K. K. Kim, J. S. Park, S. J. Kim, H. Z. Geng, K. H. An, C. M. Yang, K. Sato, R. Saito, Y. H. Lee: “Dependence of the Raman G' band intensity on metallicity of single-wall carbon nanotubes”, APS March Meeting 2008, New Orleans, Louisiana, USA, (2008.3.10-14).
465. 泉田 渉, 佐藤健太郎, 齋藤 理一郎: “単層カーボンナノチューブにおける電子スピン状態: タイト・バインディング計算による解析”, 日本物理学会第63回年次大会, 近畿大学, (2008.3.22-26).
466. 佐々木健一, 鈴木雅裕, 齋藤 理一郎: “グラフェンエッジ状態の超伝導と磁性”, 日本物理学会第63回年次大会, 近畿大学, (2008.3.22-26).
467. 佐藤健太郎, 齋藤 理一郎, Jie Jiang: “単層カーボンナノチューブの周囲の環境と光学遷移エネルギーの関係”, 日本物理学会第63回年次大会, 近畿大学, (2008.3.22-26).
468. 齋藤 理一郎, 佐々木健一, 佐藤健太郎: “金属カーボンナノチューブのコーン異常とラマンスペクトル”, 日本物理学会第63回年次大会, 近畿大学, (2008.3.22-26).
469. 齋藤 理一郎: “カーボンナノチューブの科学によるこそ - 円筒形物質の発見と使い方 - (招待講演)”, 第33回東北大学サイエンスカフェ, 仙台メディアテーク, 仙台, (2008.4.25).
470. 齋藤 理一郎: “カーボンナノチューブの世界 (招待講演)”, 宮城県高等学校理科研究会講演会, 青年文化センター, 仙台, (2008.5.9).
471. 齋藤 理一郎: “カーボンナノチューブのラマン分光による試料評価と最近の研究動向 (招待講演)”, カーボンナノ材料研究会, 大阪科学技術センター, 大阪, (2008.5.19).
472. R. Saito: “Carbon Nanotubes (Invited Talk)”, Nano Japan Program, 2008, 百年記念館 東工大 大岡山キャンパス 東京, (2008.5.22).
473. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (招待講演)”, 分子科学フォーラム, 自然科学研究機構 分子科学研究所 岡崎, (2008.6.11).
474. Chirality dependent phonon softening of metallic single wall carbon nanotubes: “R. Saito, K. Sasaki, K. Sato, G. Dresselhaus, M. S. Dresselhaus, H. Farhat, J. Kong”, The 9th International Conference on Sciences and Application of Carbon Nanotubes, NT08, Le Corum, Montpellier, France, (2008.6.29-7.4).
475. The D and G' band intensity in single-layer Graphene: “A. Reina, J. S. Park, H. Son, J. Kong, R. Saito, M. S. Dresselhaus”, The 9th International Conference on Sciences and Application of Carbon Nanotubes, NT08, Le Corum, Montpellier, France, (2008.6.29-7.4).
476. Dark exciton Kataura plot and environmental effect of exciton of carbon nanotubes: “K. Sato, R. Saito, J. Jiang, G. Dresselhaus and M. S. Dresselhaus”, The 9th International Conference on Sciences and Application of Carbon Nanotubes, NT08, Le Corum, Montpellier, France, (2008.6.29-7.4).
477. Superconductivity of the edge states in graphene: “K. Sasaki, R. Saito”, The 9th International Conference on Sciences and Application of Carbon Nanotubes, NT08, Le Corum, Montpellier, France, (2008.6.29-7.4).
478. R. Saito, K. Sato, J. S. Park, K. Sasaki, J. Jiang, G. Dresselhaus, M. S. Dresselhaus: “Dark and bright

- exciton energies of carbon nanotubes (keynote Lecture)”, Carbon 2008, Hotel Metropolitan Nagano, (2008.7.13-18).
479. 佐々木健一, 齋藤 理一郎, G. Dresselhaus, M. S. Dresselhaus, H. Farhat, J. Kong: “単層ナノチューブにおけるフォノンの振動数変化の螺旋度依存性”, 第35回フラーレン・ナノチューブ総合シンポジウム, 東京工業大学, (2008.8.27-30).
480. 齋藤 理一郎, 佐藤 健太郎: “単層カーボンナノチューブにおける暗励起子エネルギーの環境依存性”, 日本物理学会 2008 年秋季大会, 岩手大学上田キャンパス, (2008.9.20-23).
481. 佐々木健一, 齋藤 理一郎: “ナノチューブにおけるコンアノマリー”, 日本物理学会 2008 年秋季大会, 岩手大学上田キャンパス, (2008.9.20-23).
482. 泉田渉, 佐藤 健太郎, 齋藤 理一郎: “外部電場下におけるカーボンナノチューブの電子スピン”, 日本物理学会 2008 年秋季大会, 岩手大学上田キャンパス, (2008.9.20-23).
483. 齋藤 理一郎: “ラマン分光を用いたナノカーボンの評価と応用 (招待講演)”, ATI 第 3 回合同研究会, メトロポリタン長野, (2008.10.31).
484. K. Sasaki, R. Saito: “Superconductivity and magnetism of edge states in graphene”, The international symposium on Anomalous Quantum Materials 2008 and 7th Asia-Pacific Workshop, Yasuda Auditorium, Univ. of Tokyo, (2008.11.7-10).
485. R. Saito, K. Sato: “Dark Excitons of Single Wall Carbon Nanotubes (invited)”, The 5th Japan-Korea Symposium on Carbon Nanotubes, Haeundae Grand Hotel, Busan, Korea, (2008.11.9-12).
486. J. S. Park, R. Saito: “Double Resonance Raman Spectroscopy of Single Wall Carbon Nanotubes”, The 5th Japan-Korea Symposium on Carbon Nanotubes, Haeundae Grand Hotel, Busan, Korea, (2008.11.9-12).
487. K. Sasaki, R. Saito, H. Farhat, M. S. Dresselhaus, J. Kong: “Chirality Dependent Phonon Frequency Shift in Metallic Single Wall Carbon Nanotubes”, The 5th Japan-Korea Symposium on Carbon Nanotubes, Haeundae Grand Hotel, Busan, Korea, (2008.11.9-12).
488. R. Saito: “Edge states, Electron-phonon interaction and Raman spectroscopy of graphene and carbon nanotubes (invited talk)”, International Symposium on Graphene Devices, ISGD2008, Aizu University, (2008.11.17-19).
489. R. Saito, 佐藤健太郎, 塩見淳一郎, 丸山茂夫: “単層カーボンナノチューブの励起子遷移エネルギーの環境効果”, 第36回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2009.3.2-4).
490. 佐々木健一, 若林克法, 齋藤 理一郎: “半導体炭層ナノチューブにおける欠陥状態のエネルギー準位”, 第36回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2009.3.2-4).
491. 古川大, Zheng Fawei, 齋藤 理一郎: “ナノグラファイトリボンのエッジフォノンについて”, 第36回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2009.3.2-4).
492. 朴珍成, 佐々木健一, 齋藤 理一郎, Gene Dresselhaus, Mildred S. Dresselhaus: “単層カーボンナノチューブのラマン共鳴分光におけるGバンドスペクトル”, 第36回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2009.3.2-4).
493. Fawei Zheng, Ken-ichi Sasaki, R. Saito, Wenhui Duan, Bing-Lin Gu: “ボロンナイトジェンナノリボンのエッジ状態”, 第36回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2009.3.2-4).
494. R. Saito: “Exciton states and phonon softening phenomena in single wall carbon Nanotubes (invited)”, International Winterschool on Electronic Properties of Novel Materials, Kirchberg, Austria, (2009.3.7-14).
495. K. Sasaki, S. Murakami, R. Saito: “Gauge field for the edge states in graphene”, Annual APS March Meeting 2009, Pittsburgh, PA, USA, (2009.3.16-20).
496. H. Farhat, K. Sasaki, M. Kalbac, M. Hofmann, R. Saito, M. S. Dresselhaus, J. Kong: “Softening of the radial breathing mode in metallic carbon nanotubes”, Annual APS March Meeting 2009, Pittsburgh, PA, USA, (2009.3.16-20).
497. 佐々木健一, 齋藤 理一郎, Hootan Farhat, Mildred Dresselhaus, Jing Kong: “金属的ナノチューブにおけるフォノンのソフト化”, 日本物理学会第64回年次大会, 立教学院池袋キャンパス, (2009.3.27-30).

498. 齋藤 理一郎, 佐藤健太郎, 塩見淳一郎, 丸山茂夫: “ナノチューブの励起子発光における環境効果”, 日本物理学会第 64 回年次大会, 立教学院池袋キャンパス, (2009.3.27-30).
499. 齋藤 理一郎: “物理学の世界 - カーボンナノチューブの世界 - (招待講演)”, 学問の世界, 宮城野高校, (2009.5.23).
500. R. Saito: “Welcome to Nanotube World (invited lecture)”, Seminar at Nano Japan Project 2009, Tokyo Sanuki Club, (2009.5.28).
501. R. Saito: “Exciton effect and phonon softening effect in the Raman spectroscopy of single wall carbon nanotubes (invited)”, 3rd workshop on nanotube optics and nanospectroscopy, WONTON09, Matsushima, Japan, (2009.6.7-6.10).
502. Z. K. Tang, J. P. Zhai, R. Saito: “Optical properties of ultra-thin single-walled carbon nanotubes aligned in the nano channels of zeolite AEL single crystals”, 3rd workshop on nanotube optics and nanospectroscopy, WONTON09, Matsushima, Japan, (2009.6.7-6.10).
503. J. S. Park, K. Sasaki, R. Saito, G. Dresselhaus, D. S. Dresselhaus: “Fermi energy dependence of radial breathing mode in metallic single wall carbon nanotubes”, 3rd workshop on nanotube optics and nanospectroscopy, WONTON09, Matsushima, Japan, (2009.6.7-6.10).
504. K. Sato, R. Saito, S. Maruyama: “Exciton energy Kataura plot and excitonic effect of single wall carbon nanotubes”, 3rd workshop on nanotube optics and nanospectroscopy, WONTON09, Matsushima, Japan, (2009.6.7-6.10).
505. R. Saito, K. Sato, A. R. T. Nugraha, P. Araujo, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “The exciton effect of the optical transition energies of single wall carbon nanotubes”, The 10th International Conference on Sciences and Application of Carbon Nanotubes, NT09, Tsinghua University, Beijing, China, (2009.6.21-6.26).
506. W. Izumida, K. Sato, R. Saito: “Spin-Orbit Interaction in Single Wall Carbon Nanotubes: Symmetry Adapted Tight-Binding Calculation and Effective Model Analysis”, The 10th International Conference on Sciences and Application of Carbon Nanotubes, NT09, Tsinghua University, Beijing, China, (2009.6.21-6.26).
507. K. Sasaki, R. Saito, H. Farhat, M.S. Dresselhaus, J. Kong, M. Kalbac, K. Wakabayashi: “Chirality Dependent Phonon Frequency Shift in Metallic Single Wall Carbon Nanotubes”, The 10th International Conference on Sciences and Application of Carbon Nanotubes, NT09, Tsinghua University, Beijing, China, (2009.6.21-6.26).
508. J. S. Park, K. Sasaki, R. Saito, G. Dresselhaus, M. S. Dresselhaus: “Fermi energy dependence of the G band resonance Raman spectra of metallic single-wall carbon nanotubes”, The 10th International Conference on Sciences and Application of Carbon Nanotubes, NT09, Tsinghua University, Beijing, China, (2009.6.21-6.26).
509. K. Sato, R. Saito, S. Maruyama: “Bright and dark exciton energy and excitonic effect of single wall carbon nanotubes”, The 10th International Conference on Sciences and Application of Carbon Nanotubes, NT09, Tsinghua University, Beijing, China, (2009.6.21-6.26).
510. P. T. Araujo, A. Jorio, M. S. Dresselhaus, K. Sato, R. Saito: “Diameter dependence of dielectric constant for the excitonic transition energy of single-wall carbon nanotubes”, The 10th International Conference on Sciences and Application of Carbon Nanotubes, NT09, Tsinghua University, Beijing, China, (2009.6.21-6.26).
511. R. Saito: “Welcome to Nanotube World (invited)”, Tohoku University Summer Program, Tohoku University International Exchange Center, (2009.8.4).
512. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (招待講演)”, 岩手県教員免許状更新講習, 岩手県立総合教育センター, 花巻市, (2009.8.19).
513. A.R.T. Nugraha, R. Saito, K. Sato, P. T. Araujo, A. Jorio, M. S. Dresselhaus: “Exciton environmental effect for optical transition energies of single-wall carbon nanotubes”, The 37th Fullerene-Nanotubes General Symposium, Tsukuba city, Ibaraki, Japan, (2009.9.1-9.3).
514. K. Sato, R. Saito, S. Maruyama: “Excitonic effects and chirality dependence of photoluminescence intensity of single-wall carbon nanotubes”, The 37th

- Fullerene-Nanotubes General Symposium, Tsukuba city, Ibaraki, Japan, (2009.9.1-9.3).
515. J. S. Park, K. Sasaki, R. Saito, G. Dresselhaus, M. S. Dresselhaus: “Fermi energy dependence of radial breathing mode and G band in metallic single-wall carbon nanotubes”, The 37th Fullerene-Nanotubes General Symposium, Tsukuba city, Ibaraki, Japan, (2009.9.1-9.3).
516. R. Saito: “Exciton environmental effect on Raman spectroscopy of single wall carbon nanotubes”, 11th International Conference on Advanced Materials (ICAM 2009, invited), Rio de Janeiro, Brazil, (2009.9.20-25).
517. E. B. Barros, D. G. Vercosa, A. G. Souza Filho, G. G. Samsonidze, R. Saito, M. S. Dresselhaus: “Natural torsion in small diameter carbon nanotubes”, 11th International Conference on Advanced Materials (ICAM 2009, invited), Rio de Janeiro, Brazil, (2009.9.20-25).
518. R. Saito: “Phonon softening phenomena in graphene and carbon nanotubes”, 2009 RIEC Cooperative Research Project on “Control and Elucidation of Growth Mechanism of Graphene for device applications in the next generation (invited), Research Institute of Electron Communications, Tohoku University, (2009.10.6).
519. R. Saito: “グラフェン・ナノカーボンのラマン分光”, 物性研短期研究会 (招待講演), 物性研究所、東京大学, (2009.10.22-24).
520. R. Saito: “Phonon softening effect and exciton environmental effect in Raman spectroscopy of single wall carbon nanotubes”, The 6th Korea-Japan symposium on carbon nanotubes (KJ6, invited), Culture Resort Festone, Ginowan, Okinawa, (2009.10.25-28).
521. J. S. Park, K. Sato, R. Saito: “Exciton effect of the Raman resonance window of single wall carbon nanotubes”, The 6th Korea-Japan symposium on carbon nanotubes (KJ6, invited), Culture Resort Festone, Ginowan, Okinawa, (2009.10.25-28).
522. K. Sato, R. Saito, S. Maruyama: “Exciton effect of photoluminescence and resonance Raman intensity of single wall carbon nanotubes”, The 6th Korea-Japan symposium on carbon nanotubes (KJ6, invited), Culture Resort Festone, Ginowan, Okinawa, (2009.10.25-28).
523. L. C. Yin, H. M. Cheng, R. Saito: “First-principles calculation on triangle defect states of hexagonal boron nitride atomic layer”, The 6th Korea-Japan symposium on carbon nanotubes (KJ6, invited), Culture Resort Festone, Ginowan, Okinawa, (2009.10.25-28).
524. R. Saito: “Kohn anomaly effect in Raman spectroscopy of graphene and metallic single wall carbon nanotubes”, The DST/JSPS workshop on Physics and Chemistry of Graphene (invited), Bangalore, India, (2009.11.17-20).
525. R. Saito: “東北大学理学部, 大学院で活躍するための黄金率とカーボンナノチューブの世界 (招待講演)”, 平成 21 年度東北大学学部学科説明会, 仙台第一高校, (2009.12.4).
526. R. Saito: “Carbon Nanotubes; Physical properties and its applications”, Shanghai nanocarbon forum (invited), Shanghai Univ., (2009.12.7-8).
527. 齋藤 理一郎: “ナノチューブ、ナノカーボンの共鳴ラマン分光 (チュートリアル, invited)”, 第 38 回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2010.3.2-4).
528. M. M. Haque, R. Saito: “Vibrational spectra and excited state calculation of polyynes@SWNTs”, 第 38 回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2010.3.2-4).
529. A. R. T. Nugraha, R. Saito, K. Sato, P. T. Araujo, A. Jorio: “Simple dielectric constant model for environment effects on exciton energies of single-wall carbon nanotubes”, 第 38 回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2010.3.2-4).
530. J. S. Park, K. Sato, R. Saito: “What is the exciton effect in the Raman resonance window of semiconducting single wall carbon nanotubes?”, 第 38 回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2010.3.2-4).
531. K. Sato, R. Saito, S. Maruyama: “Exciton environmental effects of resonance Raman and photoluminescence intensity of single wall carbon nanotubes”, 第 38 回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2010.3.2-4).

532. R. Saito, A. R. T. Nugraha, J. S. Park, P. T. Araujo, A. Jorio, M. S. Dresselhaus: “Exciton environmental effect and exciton-phonon interaction of single wall carbon nanotubes”, APS March Meeting, Oregon Convention Center, Portland, OR, USA, (2010.3.15-19).
533. K. Sasaki, S. Murakami, R. Saito, M. S. Dresselhaus, K. Takai, T. Mori, T. Enoki, K. Wakabayashi: “Identifying the orientation of edge of graphene using G band Raman spectra”, APS March Meeting, Oregon Convention Center, Portland, OR, USA, (2010.3.15-19).
534. 佐藤 健太郎, 丸山 茂夫, 齋藤 理一郎: “ナノチューブのフォトルミネッセンスとラマン強度における環境効果”, 日本物理学会第 65 回年次大会, 岡山大学津島キャンパス, (2010.3.20-23).
535. 齋藤 理一郎, A. R. T. Nugraha, 佐藤 健太郎: “カーボンナノチューブ励起子のスケーリング”, 日本物理学会第 65 回年次大会, 岡山大学津島キャンパス, (2010.3.20-23).
536. 遠藤 理平, 齋藤 理一郎: “自己相似構造媒質におけるガウスパルスの光学応答”, 日本物理学会第 65 回年次大会, 岡山大学津島キャンパス, (2010.3.20-23).
537. R. Saito: “Welcome to Nanotube World (invited lecture)”, Seminar at Nano Japan Project 2009, Tokyo Sanuki Club, (2010.6.4).
538. 齋藤 理一郎: “ナノカーボン研究の展開 - グラフェンからナノチューブまで - (招待講演)”, 新世代研究所研究報告会, お茶の水, (2010.6.9).
- Optical properties of nanotubes and graphene (invited) 第 3 回東北大学光科学技術フォーラム 2010.6.16 電気通信研究所ナノ・スピン棟
539. 佐藤 健太郎, A. R. T. Nugraha, 齋藤 理一郎: “単層カーボンナノチューブのラジアルブリージングモードにおける共鳴ラマン強度”, 第 3 回東北大学光科学技術フォーラム, 電気通信研究所ナノ・スピン棟, (2010.6.16).
540. 遠藤 理平, 齋藤 理一郎: “誘電体薄膜中を伝搬する 2 次元ガウシアンパルスのシミュレーション”, 第 3 回東北大学光科学技術フォーラム, 電気通信研究所ナノ・スピン棟, (2010.6.16).
541. A. R. T. Nugraha, R. Saito: “Excitonic dielectric screening effects on optical transition energies of single-wall carbon nanotubes”, 第 3 回東北大学光科学技術フォーラム, 電気通信研究所ナノ・スピン棟, (2010.6.16).
542. R. Saito, A. R. T. Nugraha, K. Sato, A. Jorio, P. T. Araujo, G. Dresselhaus, M. S. Dresselhaus: “Exciton environmental effect of single wall carbon nanotubes (invited)”, Eleventh International Conference on the Science and Application of Nanotubes (NT10), Hilton Bonaventure, Montreal, Canada, (2010.6-27-7.2).
543. K. Sato, R. Saito, S. Maruyama: “Exciton effects on Raman and photoluminescence of single wall carbon nanotubes”, Eleventh International Conference on the Science and Application of Nanotubes (NT10), Hilton Bonaventure, Montreal, Canada, (2010.6-27-7.2).
544. M. Kalbac, H. Farhat, L. Kavan, J. Kong, K. Sasaki, R. Saito, M. S. Dresselhaus: “The role of doping of single-walled carbon nanotubes in metrology”, 4th International Workshop on Metrology, Standardization and Industrial Quality of Nanotubes (MSIN10), Hilton Bonaventure, Montreal, Canada, (2010.6.27).
545. A. R. T. Nugraha, K. Sato, R. Saito: “Excitonic environmental effects on optical transition energies of single wall carbon nanotubes”, SSSJ-A3 Foresight Joint Symposium on Nanomaterials and Nanostructures, Koshiba Hall, University of Tokyo, Hongo Campus, Tokyo, Japan, (2010.7.5-7).
546. K. Sato, A. R. T. Nugraha R. Saito: “Excitonic effects on Raman intensity of single wall carbon nanotubes”, SSSJ-A3 Foresight Joint Symposium on Nanomaterials and Nanostructures, Koshiba Hall, University of Tokyo, Hongo Campus, Tokyo, Japan, (2010.7.5-7).
547. R. Saito: “Raman spectroscopy of graphene and single wall carbon nanotubes (invited)”, Nanocarbon Photonics and Optoelectronics, Koli, North Karelia, Finland, (2010.08.01-06).
548. P. T. Araujo, A. Jorio, M. S. Dresselhaus, K. Sato, R. Saito: “Diameter dependence of dielectric constant for the excitonic transition energy of single-wall carbon nanotubes”, XXII International Conference on Raman Spectroscopy (ICORS 2010), Boston Park Plaza Hotel, Boston, USA, (2010.8.8-13).

549. 齋藤 理一郎: “カーボンナノチューブの世界によろこそ (招待講演)”, 岩手県教員免許状更新講習, 岩手県立総合教育センター, 花巻市, (2010.8.10).
550. 齋藤 理一郎: “カーボンナノチューブの世界によろこそ (招待講演)”, 出前講座『ユニバーサイエンス』2010, 青森県立三本木高等学校, 十和田市, 青森県, (2010.10.20).
v
551. R. Saito: “Characterization of graphene edge by Raman spectroscopy (invited)”, International Symposium on Graphene Devices (ISGD2010), Tohoku Univ. Sendai, (2010.10.27-29).
552. J. S. Park, I. Y. Jang, Y. A. Kim, M. Endo, R. Saito: “Exfoliation of vapour grown carbon fiber for hundreds nano-meter size graphene sheets”, International Symposium on Graphene Devices (ISGD2010), Tohoku Univ. Sendai, (2010.10.27-29).
553. R. Saito: “Raman spectroscopy of graphene edge and carbon nanotubes (invited)”, A3 Symposium on Emerging Materials 2010: Nanocarbons and Nanowires for Energy, Core Riviera Hotel, Chonju, Korea, (2010.11.7-11).
554. K. Sato, R. Saito: “Raman intensity and resonance window of carbon nanotubes”, A3 Symposium on Emerging Materials 2010: Nanocarbons and Nanowires for Energy, Core Riviera Hotel, Chonju, Korea, (2010.11.7-11).
555. J. S. Park, I. Y. Jang, Y. A. Kim, M. Endo, R. Saito: “Annealing effect of exfoliated vapor grown carbon fiber at high temperature”, A3 Symposium on Emerging Materials 2010: Nanocarbons and Nanowires for Energy, Core Riviera Hotel, Chonju, Korea, (2010.11.7-11).
556. R. Saito, A. R. T. Nugraha, K. Sato, K. Sasaki, P. T. Araujo, A. Jorio, G. Dresselhaus, M. S. Dresselhaus: “Exciton and phonon softening phenomena of carbon nanotubes and graphene (invited)”, Hawaii Convention center, Hawaii, USA, (2010.12.15-20).
557. R. Saito, K. Sato, K. Sasaki, C. Cong, Y. Ting G. Dresselhaus, M. S. Dresselhaus: “Raman spectroscopy of graphene (invited)”, Graphene Workshop in Tsukuba, Okura Frontier Hotel, Tsukuba, (2011.1.17-18).
558. R. Saito, A. R. T. Nugraha, K. Sato, G. Dresselhaus, M. S. Dresselhaus: “Coherent Phonon Spectroscopy of Carbon nanotubes (invited)”, The 3rd Nano carbon meeting, Advanced Technology Institution, Ochanomizu, (2011.1.21).
559. R. Saito, A. R. T. Nugraha: “Introduction to Tohoku University and its International Graduate Program”, Mission for Promoting Tohoku University in Indonesia, Institut Teknologi Bandung, Bandung, Indonesia, (2011.2.8-10).
560. A. R. T. Nugraha, R. Saito: “Life in Sendai and Japan as an international student”, Mission for Promoting Tohoku University in Indonesia, Institut Teknologi Bandung, Bandung, Indonesia, (2011.2.8-10).
561. R. Saito: “The world of carbon nanotubes”, Mission for Promoting Tohoku University in Indonesia, Institut Teknologi Bandung, Bandung, Indonesia, (2011.2.8-10).
562. R. Saito, A. R. T. Nugraha: “Introduction to Tohoku University and its International Graduate Program”, Mission for Promoting Tohoku University in Indonesia, University of Indonesia, Depok, Indonesia, (2011.2.11).
563. A. R. T. Nugraha, R. Saito: “Life in Sendai and Japan as an international student”, Mission for Promoting Tohoku University in Indonesia, University of Indonesia, Depok, Indonesia, (2011.2.11).
564. R. Saito: “The world of carbon nanotubes”, Mission for Promoting Tohoku University in Indonesia, University of Indonesia, Bandung, Indonesia, (2011.2.11).
565. R. Endo, R. Saito: “Tunneling time of optical pulse in photonic bandgap”, The 3rd GCOE International Symposium, Aobayama Campus of Tohoku University, Sendai, (2011.2.17-19).
566. A. R. T. Nugraha, R. Saito: “Excitation energy dependence of coherent phonon amplitudes in single wall carbon nanotubes”, The 3rd GCOE International Symposium, Aobayama Campus of Tohoku University, Sendai, (2011.2.17-19).
567. M. M. Haque, L. C. Yin, A. R. T. Nugraha, R. Saito, T. Wakabayashi, Y. Sato, M. Terauchi: “Vibrational

- and NMR properties of polyynes and microscopic studies of polyynes@SWNT”, The 3rd GCOE International Symposium, Aobayama Campus of Tohoku University, Sendai, (2011.2.17-19).
568. A. R. T. Nugraha, R. Saito: “Introduction to coherent phonon spectroscopy of carbon nanotubes”, 6-Senkyou Joint Symposium, Aobayama Campus of Tohoku University, Sendai, (2011.2.22).
569. A. R. T. Nugraha, 佐藤健太郎, 齋藤 理一郎: “Chirality dependence of coherent phonon amplitudes in single wall carbon nanotubes”, 第40回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2011.3.8-10).
570. 佐藤健太郎, J. S. Park, 齋藤 理一郎: “ラマン強度とシフトのグラフェンの層構造依存性”, 第40回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2011.3.8-10).
571. Md. T. Chowdhury, R. Saito: “グラフェンのX線吸収スペクトルにおける偏光依存性”, 第40回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2011.3.8-10).
572. 江口貴啓, 佐藤健太郎, 齋藤 理一郎: “異なるスタッキングにおける単層、二層、三層グラフェンの量子静電容量”, 第40回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2011.3.8-10).
573. Md. M. Haque, L. Yin, A. R. T. Nugraha, 齋藤 理一郎, T. Wakabayashi, Y. Sato, M. Terauchi: “Vibrational and NMR properties of Polyynes and Microscopic studies of Polyynes@SWNT”, 第40回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2011.3.8-10).
574. 齋藤 理一郎, 佐藤健太郎, C. Cong, Y. Ting, M. S. Dresselhaus: “グラフェンの積層構造に依存したラマンモード”, 第40回フラーレン・ナノチューブ総合シンポジウム, 名城大学, (2011.3.8-10).
575. 遠藤理平, 齋藤 理一郎: “フォトニックバンドギャップ中を伝搬する光パルスのトンネル時間”, 日本物理学会第66回年次大会, 新潟大学五十嵐キャンパス, (2011.3.25-28).
576. 齋藤 理一郎, 佐藤健太郎: “ポリイン(炭素鎖)のラマンスペクトルとNMRシフト”, 日本物理学会第66回年次大会, 新潟大学五十嵐キャンパス, (2011.3.25-28).
577. 佐藤健太郎, 齋藤 理一郎: “二層グラフェンの谷内散乱による二重共鳴ラマン強度”, 日本物理学会第66回年次大会, 新潟大学五十嵐キャンパス, (2011.3.25-28).
578. 齋藤 理一郎, A. R. T. Nugraha, K. Sato, K. Sasaki, C. Conxiao, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Raman and coherent phonon spectroscopy of nanotube and edge of graphene (invited)”, 4th Workshop on Nanotube optics and nanospectroscopy (Wonton’11), University of Bordeaux, Talence, France, (2011.5.29-6.1).
579. A. R. T. Nugraha, R. Saito: “Chirality dependence of coherent phonon amplitudes in carbon nanotubes”, Postgraduate Workshop on Nanoscience and Nanotechnology 2011, Hong Kong University of Science and Technology, Hong Kong, (2011.6.15-17).
580. C. Cong, T. Yu, R. Saito, G. Dresselhaus, M. S. Dresselhaus: “Second-order overtone and Combinational Raman modes of graphene layers in the Range of 1690cm^{-1} to 2150cm^{-1} ”, International Conference on Materials for Advanced Technologies (ICMAT 2011), Suntec, Singapore, (2011.6.26-7.1).
581. R. Saito, A. R. T. Nugraha, K. Sato, G. D. Sanders, C. J. Stanton, G. Dresselhaus, M. S. Dresselhaus: “Coherent phonon spectroscopy of single wall carbon nanotubes”, 12th International Conference on the Science and Application of Nanotubes (NT11), Cambridge, United Kingdom, (2011.7.10-14).
582. S. Costa, C. Fantini, A. Righi, A. Bachmatiuk, M. H. Rummeli, R. Saito, Y. F. Hao, C. Magnuson, R. Ruoff, M. A. Pimenta: “Resonant Raman Spectroscopy on ^{13}C Enriched Carbon Nanomaterials”, 12th International Conference on the Science and Application of Nanotubes (NT11), Cambridge, United Kingdom, (2011.7.10-14).
583. K. Sato, J. S. Park, C. Cong, T. Yu, R. Saito: “Raman spectra on bilayer and trilayer graphene”, 12th International Conference on the Science and Application of Nanotubes (NT11), Cambridge, United Kingdom, (2011.7.10-14).
584. C. Fantini, A. Righi, M. A. Pimenta, D. Andrada, A. Santos, C. Furtado, R. Saito: “Carbon nanotubes as substrates for surface enhanced Raman spectroscopy”, 12th International Conference on the Science and Application of Nanotubes (NT11), Cambridge, United Kingdom, (2011.7.10-14).

585. A. R. T. Nugraha, R. Saito: “Coherent phonon amplitudes of single wall carbon nanotubes”, Zao11 Meeting, Yamagata-Zao, (2011.8.2-3).
586. R. Saito, K. Sato: “Raman spectroscopy of bilayer and trilayer graphene”, Zao11 Meeting, Yamagata-Zao, (2011.8.2-3).
587. A. R. T. Nugraha, 佐藤健太郎, 齋藤理一郎: “Chirality-dependent coherent phonon amplitudes in carbon nanotubes: a closer look to the electron-phonon interaction”, 第41回 フラーレン・ナノチューブ・グラフェン総合シンポジウム, 首都大学東京, (2011.9.5-7).
588. 遠藤理平, 齋藤理一郎: “フィボナッチ型フォトニック結晶における光パルスの遅延”, 日本物理学会 2011 年秋季大会, 富山大学五福キャンパス, (2011.9.21-24).
589. 齋藤理一郎, A.R.T. ヌグラハ, 佐藤健太郎: “ナノチューブのコヒーレントフォノンにおける初期位相”, 日本物理学会 2011 年秋季大会, 富山大学五福キャンパス, (2011.9.21-24).
590. 佐藤健太郎, 齋藤理一郎: “二層と三層グラフェンの面外格子振動による二重共鳴ラマン強度”, 日本物理学会 2011 年秋季大会, 富山大学五福キャンパス, (2011.9.21-24).
591. R. Saito, A. R. T. Nugraha, K. Sato, K. Sasaki, C. Conxiao, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Electron and phonon of graphene related materials (invited talk)”, Tutorial in 2011 International Conference on Solid State Devices and Materials (SSDM 2011), Nagoya University, Nagoya, (2011.9.27).
592. R. Saito: “Coherent phonon spectroscopy of single wall carbon nanotubes (invited talk)”, PIRE kick-off meeting, Rice University, USA, (2011.10.7).
593. R. Saito, A. R. T. Nugraha, K. Sato, K. Sasaki, C. Conxiao, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Raman and coherent phonon spectroscopy of nanotube and graphene (invited)”, 2011 A3 Symposium of Emerging Materials: Nanomaterials for energy and environments, Ruihao International Hotel, Urumqi, China, (2011.10.13-15).
594. Li-Chang Yin, Feng Li, Hui-Ming Cheng, R. Saito: “Uncovering the pinning 3D-TM oxide on graphene oxide by a DFT study”, 2011 A3 Symposium of Emerging Materials: Nanomaterials for energy and environments, Ruihao International Hotel, Urumqi, China, (2011.10.13-15).
595. K. Sato, Jin Sung Park, Chunxiao Cong, Ting Yu, Mildred. S. Dresselhaus, R. Saito: “Raman intensity and shift in intermediate region of bilayer and trilayer graphene”, 2011 A3 Symposium of Emerging Materials: Nanomaterials for energy and environments, Ruihao International Hotel, Urumqi, China, (2011.10.13-15).
596. A. R. T. Nugraha, Kentaro Sato, R. Saito: “Chirality and excitation dependence of coherent phonons in carbon nanotubes”, 2011 A3 Symposium of Emerging Materials: Nanomaterials for energy and environments, Ruihao International Hotel, Urumqi, China, (2011.10.13-15).
597. R. Saito: “Raman spectroscopy of graphene (invited talk)”, Seminar at Key Laboratory for Anisotropy and Texture of Materials, North Eastern University(東北大学), Shenyang, China, (2011.11.2).
598. R. Saito: “Raman spectroscopy of graphene (invited talk)”, IMR Seminar, Institute of Metal Institute, Shenyang, China, (2011.11.2).
599. R. Endo, R. Saito: “Light pulse delay in a multi-layered photonic crystal”, The 17th Micro-Optics Conference, Sendai, Japan, (2011.11.1).
600. R. Endo, R. Saito: “Light pulse delay in a multi-layered photonic crystal”, 第4回東北大学光化学技術フォーラム, Sendai, Japan, (2011.11.16).
601. R. Saito, A. R. T. Nugraha, K. Sato, R. Endo: “Electron-phonon Interaction for Coherent Phonon Modes and Delay of Optical Pulse in Fibonacci Multi-layers (invited talk)”, International Symposium on Terahertz Nanoscience (TeraNano 2011), Nakanoshima Center, Osaka, (2011.11.24-25).
602. 齋藤理一郎: “ナノカーボン研究 25 年とグラフェン研究の切り口 (招待講演)”, ATI 第6回合同研究会及び 25 周年記念会, 新世代研究所, (2011.12.9).
603. 佐藤健太郎, 齋藤理一郎: “ラマン分光による二層と三層グラフェンの積層構造の評価”, 第2回ナノカーボン研究会, 新世代研究所, (2011.12.9).
604. 齋藤理一郎: “グラフェンの Raman 分光で従来と逆のゲート電圧依存性を示すモード”, 第2回ナノカーボン研究会, 新世代研究所, (2011.12.9).

605. R. Saito: “Progress of Raman spectroscopy of carbon nanotubes (invited)”, Workshop on Carbon Nanotube in Commemoration of the 20th Anniversary of its Discovery (“2011-CNT20”), The International House of Japan, Tokyo, (2011.12.12-13).
606. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (招待講演)”, 東北活性化研究センター出前授業, 青森県立三沢高校, (2011.12.21).
607. 齋藤 理一郎: “単層カーボンナノチューブにおける電子ラマン分光スペクトル (招待講演)”, 新世代研究所第3回ナノカーボン研究会, 福島県高湯温泉玉子湯, (2012.1.30-31).
608. R. Saito, K. Sato, K. Sasaki, C. Cong, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Raman spectroscopy of few-layers graphenes and their edges (Invited talk)”, , Tokyo Institute of Technology, (2012.2.29-3.2).
609. 齋藤 理一郎, 佐藤健太郎: “ラマン分光による複数層グラフェンの構造の決定 (招待講演)”, 通研共同プロジェクト研究会「次世代デバイス応用を企図したグラフェン形成機構の解明及び制御の研究」, 東北大学電気通信研究所, (2012.2.23).
610. P. T. Araujo, D. Mafra, K. Sato, R. Saito, J. Kong, M. S. Dresselhaus: “Phonon self-energy corrections to non-zero wavevector phonon modes in single-layer graphene”, APS March Meeting 2012, Boston, Massachusetts, (2012.2.27-3.2).
611. J. Rodriguez-Nieva, R. Saito, M. S. Dresselhaus: “Isotope impurity doping in graphene”, APS March Meeting 2012, Boston, Massachusetts, (2012.2.27-3.2).
612. D. Mafra, P. T. Araujo, K. Sato, R. Saito, M. S. Dresselhaus, J. Kong: “Using the G’ Raman cross-section to understand the phonon dynamics in bilayer graphene systems”, APS March Meeting 2012, Boston, Massachusetts, (2012.2.27-3.2).
613. R. Saito, K. Sato, K. Sasaki, C. Conxiao, Y. Ting, G. Dresselhaus, M. S. Dresselhaus: “Raman spectroscopy of few-layers graphene and their edges (invited)”, JSPS-DST Workshop on graphene and related materials, Tokyo Institute of Technology, (2012.2.29-3.2).
614. R. Saito, K. Sato, D. L. Mafra, P. T. Araujo, M. S. Dresselhaus: “Laser Power dependence of G’ Raman intensity in bilayer graphene”, The 42nd Fullerenes-Nanotubes-Graphene General Symposium, Takeda Frontier Science Hall, The University of Tokyo, (2012.3.6-8).
615. A. R. T. Nugraha, G. Sanders, K. Sato, R. Saito: “Coherent phonon spectroscopy of RBM and RBLM phonons in carbon nanotubes and graphene nanoribbons”, The 42nd Fullerenes-Nanotubes-Graphene General Symposium, Takeda Frontier Science Hall, The University of Tokyo, (2012.3.6-8).
616. K. Sato, D. L. Mafra, P. T. Araujo, R. Saito, M. S. Dresselhaus: “Inner and outer double Raman scattering process of graphene”, The 42nd Fullerenes-Nanotubes-Graphene General Symposium, Takeda Frontier Science Hall, The University of Tokyo, (2012.3.6-8).
617. P. Tapsanit, K. Sato, R. Saito: “Enhancement and selection rules of near field optical transition in SWNT”, The 42nd Fullerenes-Nanotubes-Graphene General Symposium, Takeda Frontier Science Hall, The University of Tokyo, (2012.3.6-8).
618. 泉田 渉, Anton Vikström, 齋藤 理一郎: “ナノチューブ量子ドットのバンド傾斜による2重-4重縮退遷移”, 日本物理学会 第67回年次大会, 関西学院大学西宮上ヶ原キャンパス, (2012.3.24-27).
619. 齋藤 理一郎, 佐藤健太郎, P. T. Araujo, D. L. Marfa, M. S. Dresselhaus: “単層グラフェンのラマンスペクトルのゲート電圧依存性”, 日本物理学会 第67回年次大会, 関西学院大学西宮上ヶ原キャンパス, (2012.3.24-27).
620. 佐藤健太郎, 齋藤 理一郎: “積層構造がずれた二層グラフェンにおけるGバンド強度”, 日本物理学会 第67回年次大会, 関西学院大学西宮上ヶ原キャンパス, (2012.3.24-27).
621. R. Saito: “Raman spectroscopy of double and triple layer graphene(invited)”, 2012 Material Research Society Spring meeting, Moscone West Convention Center, San Francisco, USA, (2012.4.9-13).
622. R. Saito: “カーボンナノチューブの世界によるこそ (招待)”, 日本物理学会東北支部出前授業, 宮城県立宮城第一高等学校, (2012.5.28).

623. R. Saito: “Welcome to Nanotube World(invited)”, NSF Nano Japan Program, Sanuki Club, Tokyo, (2012.5.29).
624. R. Saito: “Raman spectroscopy of nanotube and graphene (invited talk)”, Department Seminar of Applied Physics, Aalto University, Nanotalo, Puumiehenkuja 2, Finland, (2012.6.7).
625. R. Saito, K. Sato, P. Araujo, D. Mafra, M. Dresselhaus: “Opposite behavior of the Kohn anomaly effect in double resonance Raman spectroscopy of metallic carbon nanotube and graphene”, 13th International Conference on the Science and Application of Nanotubes (NT12), Brisbane Convention and Exhibition Centre, Australia, (2012.6.23-29).
626. K. Sato, Chunxiao Cong, Ting Yu, R. Saito: “G band Raman intensity of twisted bilayer graphene”, 13th International Conference on the Science and Application of Nanotubes (NT12), Brisbane Convention and Exhibition Centre, Australia, (2012.6.23-29).
627. C. Cong, Y. Ting, K. Sato, J. Shang, R. Saito, G. Dresselhaus, M. S. Dresselhaus: “Raman Characterization of ABA- and ABC- Stacked Trilayer Graphene”, the International Conference of Young Researchers on Advanced Materials (ICYRAM2012), MATRIX Building, Biopolis Shared Facilities, Singapore, (2012.7.1-6).
628. R. Saito: “Optical characterization of nanotube and graphene (invited)”, The 2nd Workshop on Nanoscience in Taiwan, Cheng Kung University, Tainan, Taiwan, (2012.7.4-7).
629. R. Saito: “カーボンナノチューブの世界によろこそ (招待)”, 出前講座『ユニバーサイエンス』2012, 宮城県立名取北第一高等学校, (2012.7.13).
630. R. Saito, A. R. T. Nugraha, K. Sato, G. Sanders, C. Stanton, C. Conxiao, Y. Ting, G. Dresselhaus, M. S. Dresselhaus (invited lecture): “Raman and coherent phonon spectroscopy of nanotube and graphene”, The Third International Workshop on Nanocarbon Photonics and Optoelectronics, Huhmari, Polvijarvi, North Karelia, Finland, (2012.7.29-8.4).
631. K. Sato, 齋藤 理一郎, C. Cong, T. Yu, M. S. Dresselhaus: “積層構造がねじれた2層グラフェンにおけるGバンド強度と結合状態密度”, 第43回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東北大学, (2012.9.5-7).
632. E. H. Hasdeo, A. R. T. Nugraha, K. Sato, 齋藤 理一郎: “Theory of electronic Raman scattering in metallic single-walled carbon nanotube”, 第43回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東北大学, (2012.9.5-7).
633. A. R. T. Nugraha, G. D. Sanders, C. J. Stanton, 齋藤 理一郎: “Excitonic effects on coherent phonons in single wall carbon nanotubes”, 第43回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東北大学, (2012.9.5-7).
634. M. Bissett, W. Izumida, R. Saito, H. Ago: “Effect of Mechanical Strain on Polycrystalline Graphene”, 第43回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東北大学, (2012.9.5-7).
635. 泉田 涉, 辰巳 由樹, 齋藤 理一郎: “有限長の金属単層ナノナノチューブにおけるディラックコーン傾斜とノギススペクトル”, 第43回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東北大学, (2012.9.5-7).
636. 齋藤 理一郎: “ラマン分光によるナノカーボンの分析 (招待講演・チュートリアル)”, 2012年秋季第73回応用物理学会学術講演会, 松山大学・愛媛大学, (2012.9.11).
637. R. Saito, K. Sato, A. R. T. Nugraha: “Optical properties of nanotubes and graphene (invited)”, 2012 A3 Symposium of Emerging Materials: Nanomaterials for Energy and Environments - ATI International Forum, Tohoku University, Sendai, Japan, (2012.10.29-31).
638. W. Izumida, Y. Tatsumi, R. Saito: “Tilting of Dirac cones and vernier spectrum in finite-length metallic single wall carbon nanotubes”, 2012 A3 Symposium of Emerging Materials: Nanomaterials for Energy and Environments - ATI International Forum, Tohoku University, Sendai, Japan, (2012.10.29-31).
639. K. Sato, R. Saito: “Raman spectra and enhancement of twisted bilayer graphene”, 2012 A3 Symposium of Emerging Materials: Nanomaterials for Energy and Environments - ATI International Forum, Tohoku University, Sendai, Japan, (2012.10.29-31).
640. A. R. T. Nugraha, E. Rosenthal, E. H. Hasdeo, R. Saito: “Exciton effects on coherent phonons in single wall carbon nanotubes”, 2012 A3 Symposium of

- Emerging Materials: Nanomaterials for Energy and Environments - ATI International Forum, Tohoku University, Sendai, Japan, (2012.10.29-31).
641. E. H. Hasdeo, A. R. T. Nugraha, K. Sato, R. Saito: “Theory of electronic Raman scattering in metallic single wall carbon nanotubes”, 2012 A3 Symposium of Emerging Materials: Nanomaterials for Energy and Environments - ATI International Forum, Tohoku University, Sendai, Japan, (2012.10.29-31).
642. R. Saito: “Optical properties of carbon nanotubes and graphene (invited)”, 2012 MRS Fall meeting, Hynes Convention Center, Boston, USA, (2012.11.25-30).
643. A. Dimiev, G. Ceriotti, N. Behabtu, M. Pasquali, R. Saito, J. M. Tour: “Real-time monitoring of stage transitions in graphite intercalation compounds on micro-scale level”, 2012 MRS Fall meeting, Hynes Convention Center, Boston, USA, (2012.11.25-30).
644. M. A. Bissett, W. Izumida, R. Saito, H. Ago: “Anomalous Raman behavior of CVD grown graphene under strain”, 2012 MRS Fall meeting, Hynes Convention Center, Boston, USA, (2012.11.25-30).
645. J. F. Rodriguez-Nieva, R. Saito, M. S. Dresselhaus: “D-band Raman spectra for several types of defects in graphene”, 2012 MRS Fall meeting, Hynes Convention Center, Boston, USA, (2012.11.25-30).
646. D. L. Mafra, J. Kong, K. Sato, R. Saito, M. S. Dresselhaus, P. T. Araujo: “Using the G’ Raman cross-section to understand the phonon dynamics in bilayer graphene systems”, 2012 MRS Fall meeting, Hynes Convention Center, Boston, USA, (2012.11.25-30).
647. D. L. Mafra, J. Kong, K. Sato, R. Saito, M. S. Dresselhaus, P. T. Araujo: “Using gate-modulated Raman scattering and electron-phonon interactions to probe single layer graphene: a new technique to assign phonon combination modes”, 2012 MRS Fall meeting, Hynes Convention Center, Boston, USA, (2012.11.25-30).
648. R. Saito, Q. Caiyu, Y. Ting: “Resonance and interference effect of Raman spectroscopy of graphene in the magnetic field”, 第44回 フラレーン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2013.03.11-13).
649. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Exciton effects on coherent phonon spectroscopy of carbon nanotubes”, 第44回 フラレーン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2013.03.11-13).
650. Y. Tatsumi, W. Izumida, R. Saito: “Vernier spectrum in finite-length armchair carbon nanotubes”, 第44回 フラレーン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2013.03.11-13).
651. E. H. Hasdeo, A. R. T. Nugraha, K. Sato, R. Saito: “Electronic Raman scattering and origin of the Fano resonance in metallic carbon nanotubes”, 第44回 フラレーン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2013.03.11-13).
652. G. D. Sanders, C. J. Stanton, A. R. T. Nugraha, R. Saito: “Theory of coherent phonons in carbon nanotubes and graphene nanoribbons”, APS March Meeting 2013, Baltimore, MA, USA, (2013.3.18-22).
653. P. T. Araujo, D. Mafra, K. Sato, R. Saito, J. Kong, M. S. Dresselhaus: “Unraveling the interlayer-related phonon self-energy renormalization in bilayer graphene”, APS March Meeting 2013, Baltimore, MA, USA, (2013.3.18-22).
654. T. Yu, R. Saito, M. S. Dresselhaus: “Raman scattering of 2D materials”, APS March Meeting 2013, Baltimore, MA, USA, (2013.3.18-22).
655. M. A. Bissett, W. Izumida, R. Saito, M. Tsuji, H. Ago: “Investigation of mechanical strain of polycrystalline graphene by Raman spectroscopy”, 2013年 第60回応用物理学会春季学術講演会, 神奈川工科大学, (2013.3.27-30).
656. 齋藤 理一郎: “グラフェンとカーボンナノチューブのラマン分光理論 (招待講演)”, 日本物理学会第68回 年次大会 領域7 領域4 合同シンポジウム, 広島大学, (2013.3.26-29).
657. R. Saito, K. Sato, H. Hasdeo, A. R. T. Nugraha: “Coherent phonon and Raman spectroscopy of single wall carbon nanotubes (invited)”, Building blocks for carbon-based electronics: from molecules to nanotubes, University of Regensburg, (2013.4.10-12).
658. R. Saito, E. H. Hasdeo, A. R. T. Nugraha: “Exciton effects on coherent phonon and electronic Raman spectroscopy of single wall carbon nanotubes (invited)”, 5th Workshop on Nanotube Optics and

- Nanospectroscopy, Eldorado Hotel, Santa Fe, NM, USA, (2013.6.16-20).
659. M. A. Pimenta, L. G. Moura, G. S. N. Eliel, S. D. Costa, C. Fantini, P. Venezuela, R. S. Ruoff, L. Colombo, R. Saito, Po-Wen Chiu, W. S. Bacsa, M. S. Strano: “Resonance Raman spectroscopy of single-chirality (n,m) carbon nanotubes and in twisted bilayer graphene (invited)”, 5th Workshop on Nanotube Optics and Nanospectroscopy, Eldorado Hotel, Santa Fe, NM, USA, (2013.6.16-20).
660. R. Saito, E. H. Hasdeo, A. R. T. Nugraha, K. Sato, M. S. Dresselhaus: “Electronic Raman spectra and origin of Fano resonance in metallic single-wall carbon nanotubes”, 14th International Conference on the Science and Applications of Nanotubes (NT13), Dipoli Congress Center, Aalto University, Espoo, Finland, (2013.6.24-28).
661. 齋藤 理一郎: “グラフェンと複合原子層系の動き (招待講演)”, (公財) 新世代研究所第 20 会研究報告会, 御茶ノ水カンファレンスセンター, (2013.7.5).
662. R. Saito: “Welcome to Nanotube World (invited)”, Tohoku University Science Summer Projects, Tohoku University, (2013.7.10).
663. 佐藤健太郎, 齋藤 理一郎: “グラフェンとナノチューブの G' バンドのフェルミエネルギー依存性”, 第 45 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 大阪大学, (2013.8.5-7).
664. R. Saito, K. Sato, C. Qiu, T. Yu, P. Chiu, M. Pimenta, M. S. Dresselhaus: “Magneto Raman spectroscopy of single layer graphene and resonance Raman spectroscopy of twisted bilayer graphene (invited)”, 5th International Conference on Recent Progress in Graphene Research (ROGR 2013), Tokyo Institute of Technology, (2013.9.10).
665. M. A. Pimenta, G. S. N. Eliel, A. Righi, H. Chacham, C. Fantini, S. D. Costa, P. Venezuela, L. Colombo, R. S. Ruoff, W. Bacsa, R. Saito, K. Sato, P. W. Chiu: “Resonance Raman spectroscopy in twisted bilayer graphene”, Graphene Brazil Meeting 2013, Buzios, Rio de Janeiro, (2013.9.22-25).
666. G. S. N. Eliel, M. A. Pimenta, C. Fantini, R. Saito, K. Sato, P. W. Chiu: “Resonance Raman spectroscopy in twisted bilayer graphene”, Graphene Brazil Meeting 2013, Buzios, Rio de Janeiro, (2013.9.22-25).
667. R. Saito: “Gate modulated Raman spectroscopy of single-layer and bilayer graphene”, Advances and applications in carbon related nanomaterials: from pure to doping including heteroatom layers, Gran Hotel Rey Don Jaime, Castelldefels, Spain, (2013.9.23).
668. R. Saito: “Raman spectroscopy in single and bilayer graphene (invited)”, Seminar at Institute Catala de Nanociencia i Nanotecnologia, ICN2 Building UAB, Barcelona, Spain, (2013.9.27).
669. R. Saito: “Raman spectroscopy in single-layer and twisted bilayer graphene (invited)”, IEEE Nanotechnology Materials and Devices Conference (NMDC 2013), Shangri-la Hotel, Tainan, Taiwan, (2013.10.7).
670. R. Saito, A. R. T. Nugraha, E. H. Hasdeo, K. Sato: “Raman spectroscopy of metallic single wall nanotubes and doped graphene (invited)”, 4th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Daemyung Resort, Jeju, Korea, (2013.11.10-14).
671. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Exciton effects on coherent phonon dynamics in single wall carbon nanotubes”, 4th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Daemyung Resort, Jeju, Korea, (2013.11.10-14).
672. E. H. Hasdeo, A. R. T. Nugraha, R. Saito: “Quantum interference effect in Raman spectra of metallic nanotubes”, 4th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Daemyung Resort, Jeju, Korea, (2013.11.10-14).
673. K. Sato, R. Saito: “Fermi energy dependent Raman spectra and electron-phonon interaction of graphene”, 4th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Daemyung Resort, Jeju, Korea, (2013.11.10-14).
674. 齋藤 理一郎, 水野 将志: “2 層グラフェンの層間の水分子の分子動力学シミュレーション”, 第 46 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2014.3.3-5).
675. 佐藤 健太郎, 齋藤 理一郎: “積層構造がねじれた 2 層グラフェンにおける G バンド強度増大の角度依存性”, 第 46 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2014.3.3-5).

676. Ahmad R. T. Nugraha, Eddwi H. Hasdeo, R. Saito: “Coherent G-band phonons in single wall carbon nanotubes”, 第46回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2014.3.3-5).
677. Eddwi H. Hasdeo, Ahmad R. T. Nugraha, R. Saito: “Quantum interference effect in Raman spectra of metallic nanotubes and graphene”, 第46回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2014.3.3-5).
678. 水野 将志, 齋藤 理一郎: “単層カーボンナノチューブにおけるフォノンの非調和効果”, 第46回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2014.3.3-5).
679. R. Saito: “Raman spectroscopy of graphene and nanotubes (invited)”, IAS/School of Science Joint Lecture, Hong Kong University of Science and Technology, HKUST, Hong Kong, (2014.3.17).
680. 齋藤 理一郎, 佐藤 健太郎: “Twisting Bilayer GrapheneにおけるGバンドの共鳴Raman効果”, 第69回日本物理学会年次大会, 東海大学, (2014.3.27-30).
681. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Coherent phonon spectra of G band in single wall carbon nanotubes”, The Fifteenth International Conference on the Science and Application of Nanotubes (NT14), University of Southern California, Los Angeles, USA, (2014.06.02-06).
682. E. H. Hasdeo, A. R. T. Nugraha, M. S. Dresselhaus, R. Saito: “Quantum interference effect in Raman spectra of metallic nanotubes”, The Fifteenth International Conference on the Science and Application of Nanotubes (NT14), University of Southern California, Los Angeles, USA, (2014.06.02-06).
683. R. Saito, E. H. Hasdeo, K. Sato, H. H. Guo: “Raman spectroscopy of graphene and atomic layer materials (invited)”, RIEC symposium on Graphene, Tohoku University, (2014.6.11).
684. A. R. T. Nugraha, E. H. Hasdeo, R. Saito, G. D. Sanders, C. Stanton: “Coherent G band phonons in single wall carbon nanotubes”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
685. E. H. Hasdeo, A. R. T. Nugraha, R. Saito: “Asymmetric lineshape in G band Raman spectra of graphene”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
686. K. Sato, R. Saito, G. S. N. Eliel, M. A. Pimenta, H. B. Ribeiro, E. A. T. de Souza, Chun-Chieh Lu, Po-Wen Chiu: “Raman spectra of twisted bilayer graphene”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
687. G. Huaihong, R. Saito, T. Yang, M. S. Dresselhaus, M. Yamamoto, R. Ishikawa, K. Ueno, K. Tsukagoshi: “Double resonance Raman modes in mono- and few-layer MoTe₂”, Zao14 Meeting, 2014.7.31-8.1, (ATI 2014 Nano-Carbon Meeting). Yamagata-Zao
688. M. Mizuno, R. Saito: “Anharmonic effects of phonons in carbon nanotubes”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
689. R. Okuyama, R. Saito: “Phonon amplification in carbon nanotube via transport through quantum dot”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
690. P. Machado, R. Saito: “Near field solution through finite element method”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
691. P. Ayria, R. Saito: “Polarization dependence of angle-resolved photoemission spectroscopy in graphene”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
692. M. S. Ukhtary, R. Saito: “Plasmons in graphene”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
693. S. Siregar, R. Saito: “Absence of Raman G' Band in ultraviolet excitation regime of graphene”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
694. Y. Tatsumi, R. Saito: “Discrete energy level in finite-length carbon nanotubes”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
695. T. Czank, R. Saito: “Near field exciton-photon matrix element”, ATI 2014 Nano-Carbon Meeting, Yamagata-Zao, (2014.7.31-8.1).
696. S. Siregar, E. H. Hasdeo, A. R. T. Nugraha, R. Saito: “Absence of Raman G' band By Ultraviolet Excitation in Monolayer Graphene Systems”, 第47回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 名古屋大学, (2014.9.3-5).

697. P. Ayria, A. R.T. Nugraha, E. H. Hasdeo, R. Saito: “Polarization Dependence of ARPES Intensity in Graphene”, 第47回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 名古屋大学, (2014.9.3-5).
698. M. S. Ukhtary, E. H. Hasdeo, A. R. T. Nugraha, R. Saito: “Propagation Properties of Graphene Surface Plasmon”, 第47回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 名古屋大学, (2014.9.3-5).
699. 齋藤 理一郎: “Graphene and Atomic Layer Semiconducting Materials (基調講演)”, 第47回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 名古屋大学, (2014.9.3-5).
700. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Coherent G-band and RBM Phonons in Single Wall Carbon Nanotubes”, 第47回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 名古屋大学, (2014.9.3-5).
701. 齋藤 理一郎: “Graphene and beyond graphene: science of atomic layers (invited)”, 2014年 第75回応用物理学会秋季学術講演会, 北海道大学札幌キャンパス, (2014.9.17-20).
702. R. Saito, A. R. T. Nugraha, E. H. Hasdeo, S. Siregar, M. S. Ukhtary: “Raman and coherent phonon spectroscopy of carbon nanotubes and graphene (invited)”, Materials Research Society of Indonesia Meeting 2014, Aston Denpasar Hotel and Convention Center, Bali, Indonesia, (2014.9.26-28).
703. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Origin of coherent phonons in single wall carbon nanotubes”, Materials Research Society of Indonesia Meeting 2014, Aston Denpasar Hotel and Convention Center, Bali, Indonesia, (2014.9.26-28).
704. K. Sato, H. B. Ribeiro, G. S. N. Eliel, E. A. T. de Souza, C. C. Lu, P. W. Chiu, R. Saito, M. A. Pimenta: “G band intensity enhancement and origin of van Hove singularities of twisted bilayer graphene”, The 5th A3 Symposium on Emerging Materials, Nankai University, China, (2014.10.19-21).
705. R. Saito, E. H. Hasdeo, S. Siregar, H. Guo, T. Yang: “Raman spectra of Graphene and transition metal dichalcogenides (invited)”, The 5th A3 Symposium on Emerging Materials, Nankai University, China, (2014.10.19-21).
706. R. Saito, E. H. Hasdeo, K. Sato, S. Siregar, H. H. Guo, T. Yang: “Raman spectroscopy of graphene and transition metal dichalcogenides atomic layer (invited)”, Physics and Chemistry of Atomic Films: Fundamental Science and Applications, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India, (2014.11.4-8).
707. Thomas Czank, Pourya Airya, 齋藤 理一郎: “Exciton-photon interaction in tip enhanced Raman spectroscopy of single wall carbon nanotubes”, 第48回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2015.2.21-23).
708. Syahril Siregar, Eddwi H. Hasdeo, Ahmad R.T. Nugraha, Hsiang Liu, 齋藤 理一郎: “G* band Raman spectra of single layer graphene revisited”, 第48回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2015.2.21-23).
709. 水野 将志, 齋藤 理一郎: “グラフェンにおけるフォノンの非調和性と熱伝導”, 第48回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2015.2.21-23).
710. Ahmad R. T. Nugraha, Eddwi H. Hasdeo, 齋藤 理一郎: “Coherent and squeezed phonons in single wall carbon nanotubes”, 第48回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2015.2.21-23).
711. Nguyen T. Hung, 齋藤 理一郎: “Thermoelectric power of carbon nanotubes from first principles”, 第48回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2015.2.21-23).
712. Eddwi H. Hasdeo, Ahmad R. T. Nugraha, 齋藤 理一郎: “Kohn anomaly meets Fano resonance in G and G' bands Raman spectra of graphene”, 第48回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2015.2.21-23).
713. Muhammad Shoufie Ukhtary, Eddwi H. Hasdeo, Ahmad R.T. Nugraha, 齋藤 理一郎: “Surface plasmon excitations in graphene”, 第48回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2015.2.21-23).
714. Pourya Ayria, Ahmad R.T. Nugraha, Eddwi H. Hasdeo, 田中 慎一郎, 齋藤 理一郎: “Photon energy dependence of angle resolved photoemission spectroscopy in graphene”, 第48回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2015.2.21-23).

- ブ・グラフェン総合シンポジウム, 東京大学, (2015.2.21-23).
715. R. Saito, E. H. Hasdeo, A. R. T. Nugraha, H. Guo, T. Yang, S. Siregar: “Raman spectroscopy of graphene and transition metal dichalcogenides (invited)”, 29th International Winterschool on Electronic Properties of Novel Materials: “Molecular nanostructures”, Kirchberg, Austria, (2015.3.7-14).
716. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Coherent and squeezed states of phonons in single wall carbon nanotubes”, 29th International Winterschool on Electronic Properties of Novel Materials: “Molecular nanostructures”, Kirchberg, Austria, (2015.3.7-14).
717. Wataru Izumida, Rin Okuyama, R. Saito: “Valley coupling, spin-orbit interaction and vernier-scale-like spectrum in finite-length metallic single-wall carbon nanotubes”, 2015.6.10-12, (The ninth of the annual ISSP International symposium on New Perspectives in Spintronic and Mesoscopic Physics (NPSMP2015), ISSP, University of Tokyo, Kashiwa, Japan).
718. E. H. Hasdeo, A. R. T. Nugraha, R. Saito: “Interplay of electron-phonon and electron-electron interactions in gate modulated Raman spectroscopy of graphene”, The Tenth International Symposium on Computational Challenges and Tools for Nanotubes (CCTN15), Nagoya University, Japan, (2015.06.28).
719. H. Guo, T. Yang, M. Yamamoto, L. Zhou, R. Ishikawa, K. Ueno, K. Tsukagoshi, Z. Zhang, M. S. Dresselhaus, R. Saito: “Double resonance Raman modes in mono- and few-layer MoTe₂”, GSS15: The Sixth Graphene and 2D Materials Satellite Symposium, Nagoya University, Japan, (2015.06.28).
720. R. Saito, M. Mizuno: “Ballistic and diffusive thermal conductivity of graphene”, The Sixteenth International Conference on the Science and Application of Nanotubes(NT15), Nagoya University, Japan, (2015.06.29-07.03).
721. E. H. Hasdeo, A. R. T. Nugraha, R. Saito: “Interplay of electron-phonon and electron-electron interactions in gate modulated Raman spectroscopy of graphene”, The Sixteenth International Conference on the Science and Application of Nanotubes (NT15), Nagoya University, Japan, (2015.06.29-07.03).
722. W. Izumida, R. Okuyama, R. Saito: “Valley coupling in finite-length metallic single-wall carbon nanotubes”, The Sixteenth International Conference on the Science and Application of Nanotubes (NT15), Nagoya University, Japan, (2015.06.29-07.03).
723. P. Ayria, A. R. T. Nugraha, E. H. Hasdeo, S. Tanaka, R. Saito: “Photon energy dependence of ARPES in graphene”, The Sixteenth International Conference on the Science and Application of Nanotubes (NT15), Nagoya University, Japan, (2015.06.29-07.03).
724. T. R. Czank, P. Ayria, R. Saito: “Exciton-photon interaction in tip-enhanced Raman spectroscopy of single wall carbon nanotubes”, The Sixteenth International Conference on the Science and Application of Nanotubes (NT15), Nagoya University, Japan, (2015.06.29-07.03).
725. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Squeezed phonons in single wall carbon nanotubes”, The Sixteenth International Conference on the Science and Application of Nanotubes (NT15), Nagoya University, Japan, (2015.06.29-07.03).
726. M. S. Ukhtary, E. H. Hasdeo, A. R. T. Nugraha, R. Saito: “Switching of electromagnetic wave by graphene”, The Sixteenth International Conference on the Science and Application of Nanotubes (NT15), Nagoya University, Japan, (2015.06.29-07.03).
727. 齋藤 理一郎: “新しい原子層物質とその物性 (招待講演)”, 第5回フラーレン・ナノチューブ・グラフェンに関する若手研究会, 北九州国際会議場, 小倉, (2015.9.6).
728. R. Saito, C. Reynolds, M. S. Ukhtary: “Tunable absorption of electromagnetic wave in graphene for a total reflection geometry of dielectric materials”, 第49回 フラーレン・ナノチューブ・グラフェン総合シンポジウム, 北九州国際会議場, 小倉, (2015.9.7-9).
729. N. T. Hung, A. R. T. Nugraha, R. Saito: “An atlas of thermoelectric power of semiconducting carbon nanotubes”, 第49回 フラーレン・ナノチューブ・グラフェン総合シンポジウム, 北九州国際会議場, 小倉, (2015.9.7-9).
730. 白倉俊哉, 齋藤 理一郎: “磁場中におけるグラフェンのラマン分光”, 第49回 フラーレン・ナノチューブ・グラフェン総合シンポジウム, 北九州国際会議場, 小倉, (2015.9.7-9).

731. 井上裕哉, 齋藤 理一郎: “グラフェンの接合による電子の閉じ込めについて”, 第49回 フラレーン・ナノチューブ・グラフェン総合シンポジウム, 北九州国際会議場, 小倉, (2015.9.7-9).
732. Yuki Tatsumi, Pourya Ayria, Huaihong Guo, Teng Yang, R. Saito: “Anisotropy of optical absorption spectrum of phosphorene”, 第49回 フラレーン・ナノチューブ・グラフェン総合シンポジウム, 北九州国際会議場, 小倉, (2015.9.7-9).
733. 齋藤 理一郎: “原子層科学の現状と応用に向けて (招待講演)”, 第5回 ナノカーボン実用化推進研究会, 北九州国際会議場, 小倉, (2015.9.10).
734. 泉田 涉, 奥山 倫, 齋藤 理一郎: “有限長金属型カーボンナノチューブにおける谷間結合と有効一次元格子モデルによる解析”, 日本物理学会 2015 年秋季大会, 関西大学 (千里山キャンパス), (2015.9.16-19).
735. Wataru Izumida, Rin Okuyama, R. Saito: “Valley coupling in finite-length single-wall carbon nanotubes and effective one-dimensional lattice model”, International Workshop : Quantum Nanostructures and Electron-Nuclear Spin Interactions, TOKYO ELECTRON House of Creativity 3F, Lecture Theater, Katahira Campus, Tohoku University, Sendai, Japan, (2015.10.19-21).
736. 齋藤 理一郎, M. S. Ukhary, E. H. Hasdeo, A. R. T. Nugraha, C. Reynolds: “Tunable absorption of electromagnetic wave at graphene interface between two dielectric materials (invited)”, 6th RIEC-RLE meeting on research collaboration in photonics, Sendai, (2015.10.26).
737. R. Saito: “Raman spectroscopy of Atomic layer materials (invited)”, 1st Japan-EU Workshop on Graphene and Related 2D Materials, Tokyo, (2015.11.1).
738. R. Saito, Y. Tatsumi, A. R. T. Nugraha, E. H. Hasdeo, H. L. Liu, H. Guo, T. Yang: “Raman spectra of transition metal dichalcogenides and phosphorene (invited)”, 6th A3 symposium on Emerging Materials, Kyushu University, Fukuoka, (2015.11.9-11).
739. E. H. Hasdeo, A. R. T. Nugraha, R. Saito: “Screening of electron-phonon coupling due to electron-electron interaction in graphene”, 6th A3 symposium on Emerging Materials, Kyushu University, Fukuoka, (2015.11.9-11).
740. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Coherent phonons and single phonon mode generation in carbon nanotubes”, 6th A3 symposium on Emerging Materials, Kyushu University, Fukuoka, (2015.11.9-11).
741. P. Ayria, R. Saito: “Selection rule of electron-phonon and electron-photon interaction observed by ARPES in graphene”, 6th A3 symposium on Emerging Materials, Kyushu University, Fukuoka, (2015.11.9-11).
742. 齋藤 理一郎: “原子層科学 (グラフェン、2次元物質) へようこそ (招待講演)”, 第44回 薄膜・表面物理 基礎講座 (2015) 二次元層状物質の基礎物性と応用 (招待講演), 筑波大学東京キャンパス文京校舎, (2015.11.26).
743. 齋藤 理一郎: “カーボンナノチューブとグラフェンの世界へようこそ (招待講演)”, 出前授業 (1日大学), 宮城県立仙台第二高等学校, (2015.12.10).
744. R. Saito, M. S. Ukhary, A. R. T. Nugraha, E. H. Hasdeo, C. Reynolds: “Tunable absorption of electromagnetic wave of graphene (invited)”, CEMS Topical meeting on Emergent 2D Materials, Riken, Wako, (2015.12.12).
745. R. Saito: “Tunable absorption of Tera-Hertz electromagnetic wave of graphene (invited)”, The International chemical congress of pacific Basin Societies 2015 (Pacifichem), Hawaii, USA, (2015.12.15-20).
746. R. Saito: “Raman spectroscopy of atomic layer materials (invited)”, The 3rd Muju Winter school, Muju resort, Korea, (2016.1.17-20).
747. R. Saito, M. S. Ukhary, C. Reynolds: “Tunable photo absorption of terahertz electromagnetic wave by double layer graphene (invited)”, Asia-Pacific Workshop (APW)-CEMS joint workshop, Highlights of modern condensed matter physics, Riken, Wako, (2016.1.25-27).
748. Eddwi H. Hasdeo, Ahmad R. T. Nugraha, R. Saito: “Asymmetric Kohn anomaly in G' band of graphene”, 第50回 フラレーン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2016.2.20-22).
749. P. Ayria, S. Tanaka, A. R. T. Nugraha, R. Saito: “Indirect transition angle-resolved photoemission spectra in graphene”, 第50回 フラレーン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2016.2.20-22).

750. Y. Tatsumi, S. Huang, X. Ling, H. Guo, T. Yang, M. S. Dresselhaus, R. Saito: “Anisotropic optical absorption and Raman spectrum in GaTe”, 第50回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2016.2.20-22).
751. T. Shirakura, R. Saito: “Raman intensity magnetic field dependence in graphene”, 第50回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2016.2.20-22).
752. Y. Inoue, R. Saito: “Electron confinement in bilayer graphene”, 第50回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2016.2.20-22).
753. 齋藤 理一郎, 佐藤 直道, 辰巳 由樹: “カーボンナノチューブの円偏光二色性”, 第50回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2016.2.20-22).
754. 齋藤 理一郎, 佐藤直道, 辰巳由樹: “カーボンナノチューブの円偏光二色性”, 日本物理学会第71回年次大会, 東北学院大学泉キャンパス, (2016.3.19-22).
755. 辰巳由樹, 齋藤 理一郎: “遷移金属ダイカルコゲナイドの光学遷移におけるパレー偏極度の入射光エネルギー依存性”, 日本物理学会第71回年次大会, 東北学院大学泉キャンパス, (2016.3.19-22).
756. R. Saito, N. Sato, Y. Tatsumi: “Circular dichroism of single wall carbon nanotubes”, The Seventeenth International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT16), University of Vienna, Austria, (2016.08.7-13).
757. D. Zhang, J. Yang, E. H. Hasdeo, C. Liu, K. Liu, R. Saito, Y. Li: “Simultaneous observation of multiple electronic Raman scattering in suspended metallic carbon nanotubes”, The Seventeenth International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT16), University of Vienna, Austria, (2016.08.7-13).
758. P. Ayria, S. Tanaka, A. R. T. Nugraha, R. Saito: “Phonon-assisted indirect transitions in angle-resolved photoemission spectra of graphene and graphite”, The Seventeenth International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT16), University of Vienna, Austria, (2016.08.7-13).
759. W. Izumida, R. Okuyama, A. Yamakage, R. Saito: “Angular momentum and topology in finite-length single-wall carbon nanotubes”, The Seventeenth International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT16), University of Vienna, Austria, (2016.08.7-13).
760. E. H. Hasdeo, A. R. T. Nugraha R. Saito: “Kohn anomaly and quantum interference of one- and two-phonon Raman spectra in graphene”, The Seventeenth International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT16), University of Vienna, Austria, (2016.08.7-13).
761. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Selective coherent phonon generation in single-wall carbon nanotubes”, The Seventeenth International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT16), University of Vienna, Austria, (2016.08.7-13).
762. M. S. Ukhtary, A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Transverse electric surface wave in silicene”, The Seventeenth International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT16), University of Vienna, Austria, (2016.08.7-13).
763. R. Saito, E. H. Hasdeo, Y. Tatsumi, A. R. T. Nugraha, H. Guo, T. Yang: “Raman spectroscopy of atomic layer materials (plenary talk)”, XXV International conference on Raman spectroscopy (ICORS 2016), Fortaleza, Brazil, (2016.8.14-19).
764. 齋藤 理一郎: “グラフェンと原子層科学 (招待講演)”, ポリマーフロンティア 21, カーボン材料の最前線 - グラフェンからカーボンファイバーまで, 東工大蔵前会館, 東京, (2016.9.2).
765. R. Saito, N. Sato, Y. Tatsumi: “Optical Property of Carbon Nanotubes and Low Dimensional Atomic layer materials by using Circular Polarized light”, 第51回 フラーレン・ナノチューブ・グラフェン総合シンポジウム, 北海道立道民活動センター かでる 2・7, (2016.9.7-9).
766. Y. Harada, M. S. Ukhtary, M. Wang, S. K. Srinivasan, E. H. Hadeo, A. R. T. Nugraha, W. Gao, Y. Sakai,

- R. Saito, J. Kono: “Enhanced terahertz-wave absorption in monolayer graphene via evanescent wave coupling”, 第51回 フラレン・ナノチューブ・グラフェン総合シンポジウム, 北海道立道民活動センター かでる 2・7, (2016.9.7-9).
767. M. S. Ukhtary, A. R. T. Nugraha, E. H. Hadeo, R. Saito: “Transverse magnetic and transverse electric surface waves in silicene”, 第51回 フラレン・ナノチューブ・グラフェン総合シンポジウム, 北海道立道民活動センター かでる 2・7, (2016.9.7-9).
768. X. Wei, Y. Yomogida, A. Hirano, S. Fujii, T. Tanaka, N. Sato, R. Saito, H. Kataura: “Evaluation of Enantiomeric Purity of Single-Wall Carbon Nanotubes using Flavin Mononucleotide”, 第51回 フラレン・ナノチューブ・グラフェン総合シンポジウム, 北海道立道民活動センター かでる 2・7, (2016.9.7-9).
769. N. T. Hung, A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Theory of optimized power factor of low-dimensional semiconductors and application to semiconducting carbon nanotubes”, 第51回 フラレン・ナノチューブ・グラフェン総合シンポジウム, 北海道立道民活動センター かでる 2・7, (2016.9.7-9).
770. Y. Tatsumi, S. Huang, X. Ling, H. Guo, T. Yang, M. S. Dresselhaus, R. Saito: “Anisotropic optical absorption and Raman spectra in GaTe with the interference effect of the substrates”, 第51回 フラレン・ナノチューブ・グラフェン総合シンポジウム, 北海道立道民活動センター かでる 2・7, (2016.9.7-9).
771. R. Saito, Y. Tatsumi, N. Sato: “Optical properties for circular polarized light in carbon nanotubes and transition metal dichalcogenides (invited)”, 7th A3 Symposium on Emerging Materials : Nanomaterials for Electronics, Energy and Environment, Lotte Buyeo Resort, Korea, (2016.10.30-11.3).
772. M. S. Ukhtary, A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Physical Picture of Absorption, Reflection, and Transmission of Electromagnetic Wave in Graphene”, 7th A3 Symposium on Emerging Materials : Nanomaterials for Electronics, Energy and Environment, Lotte Buyeo Resort, Korea, (2016.10.30-11.3).
773. Y. Tatsumi, R. Saito: “Laser energy dependence of the valley polarization in transition metal dichalcogenides”, 7th A3 Symposium on Emerging Materials : Nanomaterials for Electronics, Energy and Environment, Lotte Buyeo Resort, Korea, (2016.10.30-11.3).
774. N. T. Hung, A. R. T. Nugraha, R. Saito: “Quantum effects on the thermoelectric performance of low-dimensional semiconductors”, 7th A3 Symposium on Emerging Materials : Nanomaterials for Electronics, Energy and Environment, Lotte Buyeo Resort, Korea, (2016.10.30-11.3).
775. R. Saito, A. R. T. Nugraha, E. H. Hasdeo, Y. Tatsumi, N. T. Hung, N. Sato, M. S. Dresselhaus: “Thermoelectric power and circular dichroism of single wall carbon nanotubes (invited)”, International Symposium on Carbon Nanotube (CNT25), Kuramae-Kaikan, Tokyo Institute of Technology, (2016.11.15-18).
776. T. Kaneko, M. Koshino, R. Saito: “Theoretical Study of electron scattering in graphene by impurities in underlying h-BN layer”, International Symposium on Carbon Nanotube (CNT25), Kuramae-Kaikan, Tokyo Institute of Technology, (2016.11.15-18).
777. J. Z. Wang, B. J. Dong, H. H. Guo, Z. Zhu, R. Saito, T. Yang: “Stability and electronic properties of indium iodide”, International Symposium on Carbon Nanotube (CNT25), Kuramae-Kaikan, Tokyo Institute of Technology, (2016.11.15-18).
778. X. Wei, Y. Yomogida, A. Hirano, S. Fujii, T. Tanaka, N. Sato, R. Saito, H. Kataura: “Enantiomeric purity of single-wall carbon nanotubes”, International Symposium on Carbon Nanotube (CNT25), Kuramae-Kaikan, Tokyo Institute of Technology, (2016.11.15-18).
779. 齋藤 理一郎: “原子層科学の商会と 3D 活性サイト科学との接点”, 物性研究所短期研究会『原子層上の活性サイトで発現する局所機能物性』, 東京大学物性研究所, (2016.12.20-21).
780. 齋藤 理一郎: “グラフェンと原子層物質の科学の現状と展望 (招待講演)”, 炭素材料学会 1月セミナー, 化学会館、東京お茶の水, (2017.1.20).
781. 齋藤 理一郎: “ナノチューブとグラフェンの世界によるこそ (招待講演)”, サイエンスカフェ、表面科学会主催, 弘前大学, (2017.1.21).

782. 辰巳由樹, ガラムカリ和, 齋藤 理一郎: “右巻きと左巻きの光の使い方 - 光バレートロンクスに向けて -”, 東北大学大学院 理学・生命科学 2 研究科合同シンポジウム 2017 新学術領域における学生・若手研究者の連携, 東北大学理学研究科合同 C 棟 2 階多目的室, (2017.2.17).
783. Y. Tatsumi, R. Saito: “Helicity-resolved first order resonant Raman spectra of graphene and transition metal dichalcogenides”, 第 52 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2017.3.1-3).
784. M. S. Ukhtary, H. Liu, R. Saito: “Hidden symmetries in one-dimensional photonic crystals”, 第 52 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2017.3.1-3).
785. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Selective phonon mode generations in single wall carbon nanotubes and graphene nanoribbons”, 第 52 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2017.3.1-3).
786. N.T. Hung, A. R. T. Nugraha, R. Saito: “Artificial muscle using single wall carbon nanotube bundles”, 第 52 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 東京大学, (2017.3.1-3).
787. ガラムカリ和, 辰巳由樹, 齋藤 理一郎: “遷移金属カルコゲン物質におけるバレー偏極のバンドギャップと電場依存性”, 日本物理学会第 72 回年次大会, 大阪大学, (2017.3.17-20).
788. R. Saito: “Thermoelectricity and THz optics of two dimensional materials (invited)”, EU Japan 2nd Workshop, Barcelona, Spain, (2017.5.6-8).
789. R. Saito: “Circular Dichroism of single wall carbon nanotubes (key note)”, 11th International Workshop on Metrology, Standardization and Industrial Quality of Nanotubes (MSIN17), Belo Horizonte, Brazil, (2017.6.30).
790. N. T. Hung, A. R. T. Nugraha, R. Saito: “Size effect in thermoelectric performance of carbon nanotubes and other low-dimensional semiconductors”, The 18th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT17), Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, (2017.06.25-30).
791. N. Sato, Y. Tatsumi, R. Saito: “Quantitative analysis of circular dichroism of carbon nanotubes”, The 18th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT17), Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, (2017.06.25-30).
792. E. G. da Silva Neto, M. V. O. Moutinho, A. Righi, H. B. Ribeiro, C. C. Lu, K. Sato, R. Saito, P. W. Chiu, P. Venezuela, M. Pimenta: “Resonance Raman spectroscopy in twisted bilayer graphene”, The 18th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT17), Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, (2017.06.25-30).
793. M. S. Ukhtary, A. R. T. Nugraha, R. Saito: “Anomalous transmission of light below plasmon frequency in Weyl semimetals”, The 18th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT17), Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, (2017.06.25-30).
794. Y. Tatsumi, R. Saito: “Chiral phonon modes in the first order Raman spectra for transition metal dichalcogenides and strain-induced graphene”, The 18th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT17), Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, (2017.06.25-30).
795. A. R. T. Nugraha, E. H. Hasdeo, R. Saito: “Phonon switch by ultrafast laser pulse train in carbon nanotubes and graphene nanoribbons”, The 18th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT17), Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, (2017.06.25-30).
796. M. Shoufie Ukhtary, E. H. Hasdeo, A. R. T. Nugraha, R. Saito: “Fermi energy-dependence of electromagnetic wave absorption in graphene”, 第 78 回応用物理学会秋季学術講演会, Fukuoka International Center, Fukuoka, Japan, (2017.09.05-08).
797. N. Sato, Y. Tatsumi, R. Saito: “Chiral angle dependence of circular dichroism of carbon nanotubes”, 第 53 回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 京都大学, (2017.09.13-15).

798. N. T. Hung, A. R. T. Nugraha, R. Saito: “Designing three-dimensional carbon Archimedean lattices for artificial muscle”, 第53回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 京都大学, (2017.09.13-15).
799. 齋藤 理一郎: “Mildred S. Dresselhaus 先生追悼講演 (特別講演)”, 第53回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 京都大学, (2017.09.13-15).
800. T. Shirakura, R. Saito: “Absorption spectra of atomic layer materials by Wannier functions”, 第53回フラーレン・ナノチューブ・グラフェン総合シンポジウム, 京都大学, (2017.09.13-15).
801. T. Kaneko, R. Saito: “First-principles study of domain boundary of MoS₂: Origin of band bending”, 2017 International Conference on Solid State Devices and Materials (SSDM2017), Sendai International Center, Sendai, Japan, (2017.09.19-22).
802. R. Saito, M. Mizuno: “Diffusive and ballistic thermal conductivity of graphene (invited)”, The 8th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO), Suzhou, China, (2017.10.25-28).
803. M. S. Ukhtary, H. Liu, S. A. Nulli, R. Saito: “Large enhancement of light absorption in undoped graphene”, The 8th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO), Suzhou, China, (2017.10.25-28).
804. A. R. T. Nugraha, N. T. Hung, R. Saito: “Monolayer group III chalcogenides as potential thermoelectric materials”, The 8th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO), Suzhou, China, (2017.10.25-28).
805. Y. Tatsumi, R. Saito: “Helicity-dependent Raman spectra of 2D materials”, The 8th A3 Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO), Suzhou, China, (2017.10.25-28).
806. R. Saito: “Controlling optical absorption of graphene in dielectric multilayers (invited)”, India-Japan symposium on Applications of Layered Materials: Advances and Perspectivea, Nagoya University, Nagoya, Japan, (2017.11.7-9).
807. R. Saito: “Early times of carbon nanotubes (invited)”, Celebrating Our Millie - The legacy and Impact of Mildred Dresselhaus, Room 10-250, Massachusetts Institute of Technology, USA, (2017.11.26).
808. R. Saito, Y. Tatsumi: “Chiral phonons in graphene and transition metal dichalcogenides”, 2017.11.27-30, (MRS Fall meeting, Boston, USA).
809. A. R. T. Nugraha, N. T. Hung, R. Saito: “Optimizing photothermoelectric effects in semiconducting and metallic carbon nanotubes”, The 54th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 54), The University of Tokyo, Tokyo, (2018.3.10-12).
810. F. R. Pratama, M. S. Ukhtary, R. Saito: “Near-Field Electron-Photon Matrix Element of Monolayer Graphene”, The 54th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 54), The University of Tokyo, Tokyo, (2018.3.10-12).
811. T. Shirakura, R. Saito: “Absorption spectra from exciton effect of atomic layer materials”, The 54th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 54), The University of Tokyo, Tokyo, (2018.3.10-12).
812. Y. Tatsumi, T. Kaneko, R. Saito: “Angular momentum conservation in helicity-dependent Raman and Rayleigh scattering”, The 54th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 54), The University of Tokyo, Tokyo, (2018.3.10-12).
813. Y. Iwasaki, R. Saito: “Exciton effect of circular dichroism in single-wall carbon nanotubes”, The 54th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 54), The University of Tokyo, Tokyo, (2018.3.10-12).
814. M. S. Ukhtary, R. Saito: “Second quantization of surface plasmon in graphene and the applications”, The 54th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 54), The University of Tokyo, Tokyo, (2018.3.10-12).

815. R. Saito: “Controlling THz absorption of graphene in dielectric materials (invited)”, International Winterschool on Electronic Properties of Novel Materials (IWEPNM 2018), Kirchberg, Austria, (2017.3.20).
816. R. Saito, Y. Tatsumi, K. Ghalamkari: “Valley and pseudospin polarization in two-dimensional hexagonal lattice (keynote talk)”, Graphene 2018, Dresden, Germany, (2018.6.25-29).
817. R. Saito, Y. Tatsumi: “Conservation law of angular momentum in Raman spectroscopy using circularly polarized light”, 7th Workshop on Nanotube Optics and Nanospectroscopy (Wonton 2018), Hakone Prince Hotel, Japan, (2018.7.9-12).
818. R. Saito, Y. Tatsumi, K. Ghalamkari, T. Kaneko: “Raman spectra by circularly polarized light in 2D materials”, 19th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT18), Pekin University, Beijing, China, (2018.7.15-20).
819. N. T. Hung, A. R. T. Nugraha, R. Saito: “Improving thermoelectric performance of monolayer semiconductors beyond the confinement effect”, 19th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT18), Pekin University, Beijing, China, (2018.7.15-20).
820. M. S. Ukhtary, H. Liu, S. Nulli, R. Saito: “Optical properties of multilayer dielectric stacks: Hidden symmetries and application to graphene”, 19th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT18), Pekin University, Beijing, China, (2018.7.15-20).
821. A. R. T. Nugraha, N. T. Hung, R. Saito: “Photothermoelectric effect in a mixture of metallic and semiconducting carbon nanotubes”, 19th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT18), Pekin University, Beijing, China, (2018.7.15-20).
822. R. Saito, Y. Tatsumi, K. Ghalamkari, T. Kaneko (invited): “Conservation law of angular momentum in Raman spectra by circularly polarized light”, ATI Zao meeting, Yamagata Zao, (2018.8.1-2).
823. M. S. Ukhtary, R. Saito: “Transverse Magnetic and Transverse Electric Surface Waves in Silicene”, ATI Zao meeting, Yamagata Zao, (2018.8.1-2).
824. T. Shirakura, R. Saito: “Exciton-phonon coupling in MoS₂ by Resonance Raman”, ATI Zao meeting, Yamagata Zao, (2018.8.1-2).
825. N. T. Hung, R. Saito: “Mo₃S₁₁ polymer as high capacity anion redox electrodes for sodium-ion battery”, ATI Zao meeting, Yamagata Zao, (2018.8.1-2).
826. F. R. Pratama, R. Saito: “Optical transition mechanism in tip-enhanced Raman spectroscopy of monolayer graphene”, ATI Zao meeting, Yamagata Zao, (2018.8.1-2).
827. Y. Iwasaki, R. Saito: “Chirality dependence of depolarization effect in single-wall carbon nanotubes”, ATI Zao meeting, Yamagata Zao, (2018.8.1-2).
828. M. S. Islam, R. Saito: “Doping effect on the electronic and vibrational properties of armchair graphene nanoribbons”, ATI Zao meeting, Yamagata Zao, (2018.8.1-2).
829. M. Maruoka, R. Saito: “THz antenna handling circularly polarized light”, ATI Zao meeting, Yamagata Zao, (2018.8.1-2).
830. R. Saito, M. S. Ukhtary, M. Maruoka: “Enhancement of electric field for measuring optical response in two-dimensional materials (invited)”, The 9th Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Kyoto Univ. Uji Campus, (2018.10.29-31).
831. M. S. Islam, N. T. Hung, A. R. T. Nugraha, R. Saito: “Electronic and vibrational properties of boron-doped armchair graphene nanoribbons”, The 55th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 55), Tohoku University, Sendai, (2018.9.11-13).
832. Y. Iwasaki, R. Saito: “Theory of circular dichroism in single wall carbon nanotubes including depolarization effect”, The 55th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 55), Tohoku University, Sendai, (2018.9.11-13).
833. T. Shirakura, R. Saito: “Exciton-phonon coupling in MoS₂ by resonance Raman Scattering”, The 55th

- Fullerenes-Nanotubes-Graphene General Symposium (FNTG 55), Tohoku University, Sendai, (2018.9.11-13).
834. M. S. Ukhtary, R. Saito: “Quantum description of excitation of surface plasmon by light in graphene”, The 55th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 55), Tohoku University, Sendai, (2018.9.11-13).
835. F. R. Pratama, M. S. Ukhtary, R. Saito: “Near-field optical transition in graphene”, The 55th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 55), Tohoku University, Sendai, (2018.9.11-13).
836. A. R. T. Nugraha, N. T. Hung, R. Saito: “Band gap modulation by chiral phonon oscillations in transition metal dichalcogenides”, The 55th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 55), Tohoku University, Sendai, (2018.9.11-13).
837. N. T. Hung, Q. D. Truong, L. C. Yin, P. D. Tran, I. Honma, R. Saito: “Molybdenum sulfide polymer with high capacity for sodium-ion battery”, The 9th Symposium on Emerging Materials: Nanomaterials for Energy and Electronics, Kyoto Univ. Uji Campus, (2018.10.29-31).
838. Y. Tian, F. R. Pratama, M. S. Ukhtary, R. Saito: “The Enhancement of the Electric Field around the Metallic Cylindrical Tube”, The 56th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 56), The University of Tokyo, Tokyo, (2019.3.02-04).
839. M. Maruoka, T. Maeda, R. Saito: “Analysis of plane antenna which radiates circular polarized light”, The 56th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 56), The University of Tokyo, Tokyo, (2019.3.02-04).
840. X. Pang, N. T. Hung, A. R. T. Nugraha, R. Saito: “First order resonant Raman spectra of TaP”, The 56th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 56), The University of Tokyo, Tokyo, (2019.3.02-04).
841. T. Wang, N. T. Hung, A. R. T. Nugraha, R. Saito: “Angle-Dependent Resonant Raman Spectra of LaAlSi”, The 56th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 56), The University of Tokyo, Tokyo, (2019.3.02-04).
842. M. S. Islam, N. T. Hung, A. R. T. Nugraha, R. Saito: “Transport properties of arm-chair graphene nanoribbons”, The 56th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 56), The University of Tokyo, Tokyo, (2019.3.02-04).
843. M. S. Ukhtary, R. Saito: “The spin angular momentum of surface plasmon in 2D material”, The 56th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 56), The University of Tokyo, Tokyo, (2019.3.02-04).
844. R. Saito, D. Satco, A. R. T. Nugraha, M. S. Ukhtary: “Chirality dependence of plasmon peak in carbon nanotubes”, The 56th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 56), The University of Tokyo, Tokyo, (2019.3.02-04).
845. F. R. Pratama, M. S. Ukhtary, R. Saito: “Optical conductivity of the Haldane model on honeycomb lattice”, The 56th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 56), The University of Tokyo, Tokyo, (2019.3.02-04).
846. R. Saito: “Raman spectroscopy of two-dimensional materials (invited)”, Physics Colloquium of Zhejiang University, Zhejiang University, Hangzhou, China, (2019.3.22).
847. R. Saito: “Controlling helicity of circularly polarized light in low-dimensional materials (invited)”, The 14th Symposium on Computational Challenges in Two-Dimensional Materials and Nanotubes (CCTN19), Congress Centrum Wuerzburg, Wuerzburg, Germany, (2017.07.21-26).
848. R. Saito, D. Satco, A. R. T. Nugraha, M. S. Ukhtary, D. Kopylova, A. G. Nasibulin: “Optical spectroscopy of doped single wall carbon nanotubes”, The 20th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT19), Congress Centrum Wuerzburg, Wuerzburg, Germany, (2017.07.21-26).
849. M. S. Ukhtary, M. Maruoka, R. Saito: “Edge plasmon in graphene ribbon”, The 20th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT19), Congress Centrum Wuerzburg, Wuerzburg, Germany, (2017.07.21-26).

850. F. R. Pratama, M. S. Ukhtary, R. Saito: “Optical absorption in the two-dimensional hexagonal materials”, The 20th International Conference on the Science and Application of Nanotubes and Low-dimensional Materials (NT19), Congress Centrum Wuerzburg, Wuerzburg, Germany, (2017.07.21-26).
851. R. Saito(invited): “Paradoxes in nano-devices”, ATI Zao meeting, Yamagata Zao, (2019.8.8-9).
852. M. Maruoka, R. Saito: “Edge plasmon in rectangular antenna”, ATI Zao meeting, Yamagata Zao, (2019.8.8-9).
853. X. Pang, R. Saito: “First order resonant Raman spectra of TaP”, ATI Zao meeting, Yamagata Zao, (2019.8.8-9).
854. T. Wang, R. Saito: “Why does helicity of a phonon mode change in Raman spectroscopy of MoS₂”, ATI Zao meeting, Yamagata Zao, (2019.8.8-9).
855. F. R. Pratama, R. Saito: “The Hall conductivity and circular dichroism”, ATI Zao meeting, Yamagata Zao, (2019.8.8-9).
856. Y. Tian, R. Saito: “Enhancement of electric field by surface plasmon on hollow cylinder”, ATI Zao meeting, Yamagata Zao, (2019.8.8-9).
857. N. T. Hung, R. Saito: “Polymer as an electrode of sodium-ion battery”, ATI Zao meeting, Yamagata Zao, (2019.8.8-9).
858. M. S. Ukhtary, R. Saito: “Edge plasmon in graphene ribbon”, ATI Zao meeting, Yamagata Zao, (2019.8.8-9).
859. R. Saito: “Optical properties of nanotubes and two-dimensional materials by using circularly polarized light (invited)”, The 57th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 57), Nagoya University, Nagoya, (2019.9.3-5).
860. N. T. Hung, A. R. T. Nugraha, R. Saito: “Designing two-dimensional tetradymites with 20% thermoelectric efficiency”, The 57th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 57), Nagoya University, Nagoya, (2019.9.3-5).
861. M. S. Ukhtary, M. Maruoka, R. Saito: “Edge plasmon in graphene ribbon”, The 57th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 57), Nagoya University, Nagoya, (2019.9.3-5).
862. F. R. Pratama, M. S. Ukhtary, R. Saito: “Role of the Hall conductivity in the optical absorption of circularly-polarized light”, The 57th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 57), Nagoya University, Nagoya, (2019.9.3-5).
863. Y. Tian, F. R. Pratama, M. S. Ukhtary, R. Saito: “Enhancement of electric field by surface plasmon on hollow cylinder”, The 57th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 57), Nagoya University, Nagoya, (2019.9.3-5).
864. T. Wang, N. T. Hung, A. R. T. Nugraha, R. Saito: “Laser-energy dependent helicity-changing Raman spectra of MoS₂”, The 57th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 57), Nagoya University, Nagoya, (2019.9.3-5).
865. M. Maruoka, T. Maeda, M. S. Ukhtay, R. Saito: “Edge plasmon in rectangular antenna of graphene”, The 57th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 57), Nagoya University, Nagoya, (2019.9.3-5).
866. R. Saito: “Tunable circular dichroism and valley polarization in two dimensional materials (invited)”, Recent progress in graphene and 2D materials research (RPGR2019), Kunibiki Messe, Matsue, (2019.10.6-10).
867. M. S. Ukhtary, M. Maruoka, R. Saito: “In-plane rotation of electric field induced by edge-plasmon in a graphene nanoribbon”, The 10th A3 symposium on emerging materials: nanomaterials for electronics, energy and environment, Sungkyunkwan University, Korea, (2019.10.26-30).
868. R. Saito: “原子層材料における円偏光発光 (招待講演)”, 第 23 回 V B L シンポジウム, 名古屋大学, (2019.11.6-7).
869. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ (出前授業)”, 秋田県立花輪高等学校大学模範講義, 秋田県立花輪高等学校, (2019.11.13).
870. R. Saito: “Edge plasmon of two-dimensional materials (invited)”, The 4th Graphene Flagship EU-Japan Workshop on Graphene and related 2D materials, Palazzo della Carovana, Scuola Normale Superiore, Pisa, Italy, (2019.11.17-20).

871. S. Wang, F. R. Pratama, M. S. Ukhtary, R. Saito: “Independent degrees of freedom in two-dimensional materials”, The 58th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 58), University of Tokyo, Tokyo, (2020.3.15-17).
872. R. Saito, P. Xiaoqi, W. Tong, N. T. Hung: “Anomalous polarized Raman spectra of TaP”, The 58th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 58), University of Tokyo, Tokyo, (2020.3.15-17).
873. F. R. Pratama, M. S. Ukhtary, R. Saito: “Multi-ferroic response of two-dimensional hexagonal materials”, The 58th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 58), University of Tokyo, Tokyo, (2020.3.15-17).
874. N. T. Hung, R. Saito: “Thermal conductivity of low-cost thermoelectric Mg_3Bi_2 ”, The 58th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 58), University of Tokyo, Tokyo, (2020.3.15-17).
875. Y. Tian, M. S. Ukhtary, R. Saito: “Scaling laws on enhancement of the electric field inside a hollow cylinder”, The 58th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 58), University of Tokyo, Tokyo, (2020.3.15-17).
876. P. Xiaoqi, N. T. Hung, R. Saito: “First-principles calculation of exciton of transition metal dichalcogenide”, The 58th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 58), University of Tokyo, Tokyo, (2020.3.15-17).
877. R. Saito: “Helicity-changing Raman spectra in two-dimensional materials (Plenary)”, International symposium on physical properties for nano functional materials (ISNFM 2020), Liaoning Shihua University (on-line), (2020.7.4-5).
878. 齋藤 理一郎: “グラフェンと2次元物質の基礎と2020年代の重点課題(招待講演)”, 2020年第81回応用物理学会秋季学術講演会チュートリアル, ZoomによるOnline, (2020.9.8).
879. 齋藤 理一郎: “原子層物質における円偏光物性(招待講演)”, 日本物理学会2020年秋季大会、シンポジウム『グラフェン物性科学の新展開』, ZoomによるOnline, (2020.9.10).
880. 齋藤 理一郎, M. S. Ukhtary, S. Wang, 前田 大聖, 岩崎 佑哉: “ドープしたカーボンナノチューブにおける円偏光二色性”, The 59th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 59), On-line by Zoom, (2020.9.16-18).
881. S. Wang, M. S. Ukhtary, R. Saito: “Strain effect on circularly-polarized electroluminescence in transition metal dichalcogenides”, The 59th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 59), On-line by Zoom, (2020.9.16-18).
882. Y. Tian, M. S. Ukhtary, R. Saito: “Simple formula of enhancement of the electric field inside a hollow metallic cylinder”, The 59th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 59), On-line by Zoom, (2020.9.16-18).
883. P. Xiaoqi, N. T. Hung, R. Saito: “First-principles calculation of excitonic effect in Raman spectra”, The 59th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 59), On-line by Zoom, (2020.9.16-18).
884. T. Wang, P. Xiaoqi, N. T. Hung, R. Saito: “Polarized Raman spectra of $LaAlSi$ ”, The 59th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 59), On-line by Zoom, (2020.9.16-18).
885. N. T. Hung, R. Saito: “Two-channel model for low thermal conductivity of Mg_3Bi_2 ”, The 59th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 59), On-line by Zoom, (2020.9.16-18).
886. 齋藤 理一郎: “カーボンナノチューブの世界によるこそ(出前授業)”, 仙台市立仙台星陵中教育学校 一日大学, 仙台市立仙台星陵中教育学校, (2019.11.13).
887. F. R. Pratama, M. S. Ukhtary, R. Saito: “Magnetizations and De Haas-van Alphen oscillations in the Dirac fermions”, The 60th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 60), On-line by Zoom, Nagoya University, (2021.3.1-3).
888. R. Saito, N. T. Hung, M. S. Ukhtary: “Second harmonic generation in two-dimensional Janus TMDs”, The 60th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 60), On-line by Zoom, Nagoya University, (2021.3.1-3).
889. N. T. Hung, A. R. T. Nugraha, R. Saito: “Electronic properties of 1D transition-metal dichalco-

- genides nanowires”, The 60th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 60), On-line by Zoom, Nagoya University, (2021.3.1-3).
890. Y. Tian, M. S. Ukhtary, R. Saito: “Spin current induced by edge plasmon on two-dimensional materials”, The 60th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 60), On-line by Zoom, Nagoya University, (2021.3.1-3).
891. S. Wang, Md. Shafiqul Islam, N. T. Hung, H. Tian, A. R. T. Nugraha, R. Saito: “p-n junction in graphene nanoribbon modified by periodically doped boron and nitrogen atoms”, The 60th Fullerenes-Nanotubes-Graphene General Symposium (FNTG 60), On-line by Zoom, Nagoya University, (2021.3.1-3).
892. R. Saito: “Optical properties of carbon nanotube and two-dimensional material (keynote)”, International Conference on the Science and Application of Nanotubes and Low-Dimensional Materials (NT21), On-line by Zoom, Rice University, (2021.6.6-11).
893. M. S. Ukhtary, Y. Tian, R. Saito: “Spin-current generation by edge-plasmon in graphene ribbon”, International Conference on the Science and Application of Nanotubes and Low-Dimensional Materials (NT21), On-line by Zoom, Rice University, (2021.6.6-11).
894. Y. Tian, M. S. Ukhtary, R. Saito: “Optically induced Spin Current in Two-dimensional Metal”, International Conference on the Science and Application of Nanotubes and Low-Dimensional Materials (NT21), On-line by Zoom, Rice University, (2021.6.6-11).
895. F. R. Pratama, M. S. Ukhtary, R. Saito: “Magnetizations and De Haas-van Alphen oscillations in massive Dirac fermions”, International Conference on the Science and Application of Nanotubes and Low-Dimensional Materials (NT21), On-line by Zoom, Rice University, (2021.6.6-11).
896. S. Wang, M. S. Ukhtary, R. Saito: “Strain effect on circularly-polarized electroluminescence in transition metal dichalcogenides”, International Conference on the Science and Application of Nanotubes and Low-Dimensional Materials (NT21), On-line by Zoom, Rice University, (2021.6.6-11).
897. N. T. Hung, R. Saito: “The origin of quantum effects in low-Dimensional thermoelectric materials”, International Conference on the Science and Application of Nanotubes and Low-Dimensional Materials (NT21), On-line by Zoom, Rice University, (2021.6.6-11).
898. R. Saito: “30 years of Carbon Nanotubes with FNTG (invited)”, The 61st Fullerene Nanotube Graphene general symposium, On-line by Zoom, Osaka University, (2021.9.1-3).
899. Y. Tian, M. S. Ukhtary, R. Saito: “Switching speed of optically-generated spin current at the graphene edge”, The 61st Fullerene Nanotube Graphene general symposium, On-line by Zoom, Osaka University, (2021.9.1-3).
900. M. S. Ukhtary, Y. Tian, R. Saito: “Spin current generation by edge plasmon in graphene ribbon”, The 61st Fullerene Nanotube Graphene general symposium, On-line by Zoom, Osaka University, (2021.9.1-3).
901. 齋藤 理一郎: “ナノチューブ研究 30 年と展望 (招待講演)”, 日本物理学会 2021 年秋季大会、カーボンナノチューブ発見 30 周年記念シンポジウム, オンライン大会, (2021.9.20-23).
902. R. Saito, N. T. Hung, Y. Zhao, S. Han, L. Tong: “Complex Raman Tensor in Black Phosphorus and 2D materials”, 62th FNTG General Symposium, Nagoya University, On line, (2022.3.2-4).
903. N. T. Hung, F. R. Pratama, R. Saito: “Thermoelectric energy conversion of 3D topological insulators”, 62th FNTG General Symposium, Nagoya University, On line, (2022.3.2-4).
904. 齋藤 理一郎: “金属およびドーピングしたカーボンナノチューブの円偏光二色性と光誘起電流”, ATI ナノカーボン研究会, かんぼの宿熱海, (2022.3.27).
905. N. T. Hung, A. R. T. Nugraha, R. Saito: “Searching high thermoelectric performance of atomic layers and topological materials based on the band structures”, Kick-off Symposium on e-ASIA JRP : Data-driven design of high-performance thermoelectrics, Thailand, On line, (2022.6.7).
906. R. Saito: “31 years of research on carbon nanotubes (invited)”, 2022 Summer Meeting on Interdisciplinary Materials Science, Hanoi University of Science and Technology, Vietnam, (2022.7.19).
907. R. Saito, N. T. Hung, R. Natsui, Y. Nakanishi, Y. Miyata: “Raman spectra of In-intercalated WTe

- nanowires (invited)”, 12th A3 Symposium on Emerging Materials: Nanomaterials for Electronics, Energy, and Environment, Waseda University, Tokyo, (2022.11.7-9).
908. S. Wang, M. Liu, D. Levshov, I. Kohama, T. Inoue, N. T. Hung, Y. Feng, E. I. Kauppinen, R. Xiang, R. Saito, S. Maruyama: “Optical properties of heterostructured SWCNT@BN film and BNNT film”, 12th A3 Symposium on Emerging Materials: Nanomaterials for Electronics, Energy, and Environment, Waseda University, Tokyo, (2022.11.7-9).
909. N. T. Hung, F. R. Pratama, R. Saito: “Thermoelectric properties of 3D semimetal materials”, 12th A3 Symposium on Emerging Materials: Nanomaterials for Electronics, Energy, and Environment, Waseda University, Tokyo, (2022.11.7-9).
910. N. T. Hung, A. R. T. Nugraha, F. R. Pratama, R. Saito: “Thermoelectricity: From low-dimensional semiconductors to 3D semimetals”, ConQuest 2022, Online meeting held in Indonesia, (2022.11.22-24).
911. N. T. Hung, A. R. T. Nugraha, F. R. Pratama, R. Saito: “3D semimetal for thermoelectricity”, VANJ Conference 2022, The University of Tokyo, (2022.11.26-27).
912. 齋藤 理一郎: “ラマン分光で測るカーボンナノチューブの鏡像異性体”, ナノカーボン研究会, 新世代研究所, ニューウェルシティ湯河原, (2023.1.16).
913. R. Saito: “Challenges of carbon nanotubes with Prof. Millie Dresselhaus and Prof. Gene Dresselhaus (keynote)”, Workshop in honor of Prof. Millie and Gene Dresselhaus & Celebrating the retirement of Prof. Riichiro Saito, 34-401, MIT, Boston, USA, (2023.2.20).
914. R. Saito: “Progress and Perspective of Carbon Nanotub (invited)”, The 64th Fullerenes-Nanotubes-Graphene General Symposium, Nagoya University, Nagoya, (2023.3.1-3).
915. Y. Tian, R. Xi, J. Dpi,amo. A. Baydin, H. Zhu, J. Kono, R. Saito: “Second harmonic generation in enantiomer enriched, aligend, chiral carbon nanotubes”, The 64th Fullerenes-Nanotubes-Graphene General Symposium, Nagoya University, Nagoya, (2023.3.1-3).
916. R. Natsui,¹ Y. Nakanishi, Z. Liu, N. T. Hung, Y.-C. Lin, T. Endo, K. Suenaga, R. Saito, and Y. Miyata: “Polarized Raman spectroscopy of indium-intercalated nanofibers of W_6Te_6 atomic wires”, The 64th Fullerenes-Nanotubes-Graphene General Symposium, Nagoya University, Nagoya, (2023.3.1-3).
917. 齋藤 理一郎: “カーボンナノチューブとともに (最終講義)”, 最終講義、物理学専攻、東北大学, Tohoku University, Sendai, (2023.3.10).
918. R. Saito: “Raman spectra and optical properties of nanotubes, TMD nanowire, and 2D materials (invited)”, Workshop on Nanomaterial, National Taiwan Normal University, Taipei, (2023.3.23).
919. R. Saito: “Five Challenges of Carbon Nanotubes (invited)”, Xinda lectures series, Pekin University, China, (2023.6.23).
920. R. Saito: “Five Challenges of Carbon Nanotubes (invited)”, Special workshop at IMR, Institute of Metal Research, ShenYang, China, (2023.6.27).
921. R. Saito: “Five Challenges of Carbon Nanotubes (invited)”, Lectures series to the graduate students, Liaoning Petrochemical University, Choshun, China, (2023.6.27).
922. 齋藤 理一郎: “グラフェンに関する 10 個のストーリー (invited)”, 物理学会講話, online, (2023.7.1).
923. 齋藤 理一郎: “低次元半導体物質の研究戦略ーナノチューブ、2次元物質ー (基調講演)”, 第 42 回電子材料シンポジウム, The Kashihara, 奈良県橿原市, (2023.10.11).
924. R. Saito: “Progress on Resonant Raman spectroscopy of 1D and 2D materials (invited)”, Seminar in N-Center, Sungkyunkwan University, N-Center, Sungkyunkwan University, Suwon, Korea, (2023.10.27).
925. 齋藤 理一郎: “BN チューブ内包カーボンナノチューブのラマン分光 (招待講演)”, ATI コンファレンス, Royal Hotel 八ヶ岳, 山梨県北杜市, (2023.11.13).
926. 齋藤 理一郎: “1次元2次元半導体物質の戦略と CVD (基調講演)”, 化学工学会 CVD 反応分科会 第 39 回シンポジウム, 62W 号館, 早稲田大学, (2023.11.14).
927. R. Saito: “30 years of Carbon Nanotubes (invited)”, Colloquim in National Taiwan University, National Taiwan University, Taipei, Taiwan, (2023.11.28).

928. R. Saito: “Ten stories of graphene (invited)”, Physics Colloquium in National Taiwan Normal University, National Taiwan Normal University, Taipei, Taiwan, (2023.11.29).
929. 夏井 隆佑, 中西 勇介, 劉 崢, グエン フン タン, 林 永昌, 遠藤 尚彦, 末永 和知, 齋藤 理一郎, 宮田 耕充: “ W_6Te_6 原子細線への金属原子挿入と光学特性”, 第 85 回応用物理学会学術講演会, 朱鷺メッセ, 新潟, (2024.9.16-20).
930. 齋藤 理一郎: “ナノチューブのらせん度に依存した光物性 (招待講演)”, 第 85 回応用物理学会学術講演会, 朱鷺メッセ, 新潟, (2024.9.16-20).

VIII その他

学位

- 理学修士: Vibronic States in Linear Conjugated Systems (1982.3.29) 東京大学.
- 理学博士: Orbital Susceptibility of Graphite Intercalation Compounds, Tokyo University (1985.3.29). 東京大学.