

Refereed Publications

1. H. Kuzmany, W. Plank, M. Hulman, C. Kramberger, Grüneis, A., T. Pichler, H. Peterlik, H. Kataura, and Y. Achiba. Determination of SWCNT diameters from the Raman response of the radial breathing mode. *EUROPEAN PHYSICAL JOURNAL B*, 22(3):307–320, August 2001.
2. Grüneis, A., R. Saito, T. Kimura, L. G. Cancado, M. A. Pimenta, A. Jorio, A. G. Souza, G. Dresselhaus, and M. S. Dresselhaus. Determination of two-dimensional phonon dispersion relation of graphite by Raman spectroscopy. *PHYSICAL REVIEW B*, 65(15):155405, April 2002.
3. J. Kurti, V. Zolyomi, Grüneis, A., and H. Kuzmany. Double resonant Raman phenomena enhanced by van Hove singularities in single-wall carbon nanotubes. *PHYSICAL REVIEW B*, 65(16):165433, April 2002.
4. R. Saito, A. Jorio, A. G. Souza, G. Dresselhaus, M. S. Dresselhaus, Grüneis, A., L. G. Cancado, and M. A. Pimenta. First and second-order resonance Raman process in graphite and single wall carbon nanotubes. *JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS BRIEF COMMUNICATIONS & REVIEW PAPERS*, 41(7B):4878–4882, July 2002.
5. L. G. Cancado, M. A. Pimenta, R. Saito, A. Jorio, L. O. Ladeira, Grüneis, A., A. G. Souza, G. Dresselhaus, and M. S. Dresselhaus. Stokes and anti-Stokes double resonance Raman scattering in two-dimensional graphite. *PHYSICAL REVIEW B*, 66(3):035415, July 2002.
6. R. Saito, Grüneis, A., L. G. Cancado, M. A. Pimenta, A. Jorio, G. Dresselhaus, M. S. Dresselhaus, and A. G. Souza. Double resonance Raman spectra in disordered graphite and single wall carbon nanotubes. *MOLECULAR CRYSTALS AND LIQUID CRYSTALS*, 387:287–296, 2002.
7. R. Saito, A. Jorio, A. G. Souza, Grüneis, A., M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus. Dispersive Raman spectra observed in graphite and single wall carbon nanotubes. *PHYSICA B-CONDENSED MATTER*, 323(1-4):100–106, October 2002.
8. G. G. Samsonidze, R. Saito, A. Jorio, A. G. Souza, Grüneis, A., M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus. Phonon trigonal warping effect in graphite and carbon nanotubes. *PHYSICAL REVIEW LETTERS*, 90(2):027403, January 2003.
9. Grüneis, A., R. Saito, G. G. Samsonidze, T. Kimura, M. A. Pimenta, A. Jorio, A. G. Souza, G. Dresselhaus, and M. S. Dresselhaus. Inhomogeneous optical absorption around the K point in graphite and carbon nanotubes. *PHYSICAL REVIEW B*, 67(16):165402, April 2003.
10. V. Zolyomi, J. Kurti, Grüneis, A., and H. Kuzmany. Origin of the fine structure of the Raman D band in single-wall carbon nanotubes. *PHYSICAL REVIEW LETTERS*, 90(15):157401, April 2003.
11. G. G. Samsonidze, R. Saito, A. Jorio, M. A. Pimenta, A. G. Souza, Grüneis, A., G. Dresselhaus, and M. S. Dresselhaus. The concept of cutting lines in carbon nanotube science. *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY*, 3(6):431–458, December 2003.
12. R. Saito, Grüneis, A., G. G. Samsonidze, V. W. Brar, G. Dresselhaus, M. S. Dresselhaus, A. Jorio, L. G. Cancado, C. Fantini, M. A. Pimenta, and A. G. Souza. Double resonance Raman spectroscopy of single-wall carbon nanotubes. *NEW JOURNAL OF PHYSICS*, 5:157, December 2003.
13. A. G. Souza, S. G. Chou, G. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, L. An, J. Liu, A. K. Swan, M. S. Unlu, B. B. Goldberg, A. Jorio, Grüneis, A., and R. Saito. Stokes and anti-Stokes Raman spectra of small-diameter isolated carbon nanotubes. *PHYSICAL REVIEW B*, 69(11):115428, March 2004.
14. Grüneis, A., R. Saito, J. Jiang, G. G. Samsonidze, M. A. Pimenta, A. Jorio, A. G. Souza, G. Dresselhaus, and M. S. Dresselhaus. Resonant Raman spectra of carbon nanotube bundles observed by perpendicularly polarized light. *CHEMICAL PHYSICS LETTERS*, 387(4-6):301–306, April 2004.
15. R. Saito, Grüneis, A., G. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, A. Jorio, L. G. Cancado, M. A. Pimenta, and A. G. Souza. Optical absorption of graphite and single-wall carbon nanotubes. *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, 78(8):1099–1105, May 2004.

16. G. G. Samsonidze, Grüneis, A., R. Saito, A. Jorio, A. G. Souza, G. Dresselhaus, and M. S. Dresselhaus. Interband optical transitions in left- and right-handed single-wall carbon nanotubes. *PHYSICAL REVIEW B*, 69(20):205402, May 2004.
17. J. Jiang, R. Saito, Grüneis, A., G. Dresselhaus, and M. S. Dresselhaus. Electron-phonon interaction and relaxation time in graphite. *CHEMICAL PHYSICS LETTERS*, 392(4-6):383–389, July 2004.
18. G. G. Samsonidze, R. Saito, N. Kobayashi, Grüneis, A., J. Jiang, A. Jorio, S. G. Chou, G. Dresselhaus, and M. S. Dresselhaus. Family behavior of the optical transition energies in single-wall carbon nanotubes of smaller diameters. *APPLIED PHYSICS LETTERS*, 85(23):5703–5705, December 2004.
19. J. Jiang, R. Saito, Grüneis, A., G. Dresselhaus, and M. S. Dresselhaus. Optical absorption matrix elements in single-wall carbon nanotubes. *CARBON*, 42(15):3169–3176, 2004.
20. J. Jiang, R. Saito, Grüneis, A., S. G. Chou, G. G. Samsonidze, A. Jorio, G. Dresselhaus, and M. S. Dresselhaus. Photoexcited electron relaxation processes in single-wall carbon nanotubes. *PHYSICAL REVIEW B*, 71(4):045417, January 2005.
21. A. Jorio, C. Fantini, M. A. Pimenta, R. B. Capaz, G. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, J. Jiang, N. Kobayashi, Grüneis, A., and R. Saito. Resonance Raman spectroscopy (n,m)-dependent effects in small-diameter single-wall carbon nanotubes. *PHYSICAL REVIEW B*, 71(7):075401, February 2005.
22. T. Shimada, T. Sugai, C. Fantini, M. Souza, L. G. Cancado, A. Jorio, M. A. Pimenta, R. Saito, Grüneis, A., G. Dresselhaus, M. S. Dresselhaus, Y. Ohno, T. Mizutani, and H. Shinohara. Origin of the 2450 cm⁻¹ Raman bands in HOPG, single-wall and double-wall carbon nanotubes. *CARBON*, 43(5):1049–1054, 2005.
23. J. Jiang, R. Saito, Grüneis, A., S. G. Chou, G. G. Samsonidze, A. Jorio, G. Dresselhaus, and M. S. Dresselhaus. Intensity of the resonance Raman excitation spectra of single-wall carbon nanotubes. *PHYSICAL REVIEW B*, 71(20):205420, May 2005.
24. A. G. Souza, N. Kobayashi, J. Jiang, Grüneis, A., R. Saito, S. B. Cronin, J. Mendes, G. G. Samsonidze, G. G. Dresselhaus, and M. S. Dresselhaus. Strain-induced interference effects on the resonance Raman cross section of carbon nanotubes. *PHYSICAL REVIEW LETTERS*, 95(21):217403, November 2005.
25. Y. Oyama, R. Saito, K. Sato, J. Jiang, G. G. Samsonidze, Grüneis, A., Y. Miyauchi, S. Maruyama, A. Jorio, G. Dresselhaus, and M. S. Dresselhaus. Photoluminescence intensity of single-wall carbon nanotubes. *CARBON*, 44(5):873–879, April 2006.
26. Grüneis, A., C. Kramberger, D. Grimm, T. Gemming, M. H. Rummeli, A. Barreiro, P. Ayala, T. Pichler, C. Schaman, H. Kuzmany, J. Schumann, and B. Buchner. Eutectic limit for the growth of carbon nanotubes from a thin iron film by chemical vapor deposition of cyclohexane. *CHEMICAL PHYSICS LETTERS*, 425(4-6):301–305, July 2006.
27. D. Grimm, Grüneis, A., C. Kramberger, M. Rummeli, T. Gemming, B. Buchner, A. Barreiro, H. Kuzmany, R. Pfeiffer, and T. Pichler. Catalytic decomposition of n-heptane for the growth of high quality single wall carbon nanotubes. *CHEMICAL PHYSICS LETTERS*, 428(4-6):416–420, September 2006.
28. Grüneis, A., M. H. Rummeli, C. Kramberger, A. Barreiro, T. Pichler, R. Pfeiffer, H. Kuzmany, T. Gemming, and B. Buchner. High quality double wall carbon nanotubes with a defined diameter distribution by chemical vapor deposition from alcohol. *CARBON*, 44(15):3177–3182, December 2006.
29. R. Saito, J. Jiang, Grüneis, A., K. Sato, Y. Oyama, G. G. Samsonidze, S. G. Chou, G. Dresselhaus, M. S. Dresselhaus, L. G. Cancado, C. Fantini, A. Jorio, and M. A. Pimenta. Trigonal anisotropy in graphite and carbon nanotubes. *MOLECULAR CRYSTALS AND LIQUID CRYSTALS*, 455:287–294, 2006.
30. A. Barreiro, S. Hampel, M. H. Rummeli, C. Kramberger, Grüneis, A., K. Biedermann, A. Leonhardt, T. Gemming, B. Buchner, A. Bachtold, and T. Pichler. Thermal decomposition of ferrocene as a method for production of single-walled carbon nanotubes without additional carbon sources. *JOURNAL OF PHYSICAL CHEMISTRY B*, 110(42):20973–20977, October 2006.
31. Grüneis, A., M. H. Rummeli, C. Kramberger, D. Grimm, T. Gemming, A. Barreiro, P. Ayala, T. Pichler, H. Kuzmany, C. Schaman, R. Pfeiffer, J. Schumann, and B. Buchner. Growth of carbon nanotubes from wet chemistry and thin film multilayer catalysts. *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*, 243(13):3054–3057, November 2006.

32. C. Kramberger, M. Loffler, M. Rummeli, Grüneis, A., R. Schonfelder, O. Jost, T. Gemming, T. Pichler, and B. Buchner. Synthesis of single wall carbon nanotubes with defined C-13 content. *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*, 243(13):3050–3053, November 2006.
33. M. H. Rummeli, Grüneis, A., M. Loffler, O. Jost, R. Schonfelder, C. Kramberger, D. Grimm, T. Gemming, A. Barreiro, E. Borowiak-Palen, M. Kalbac, P. Ayala, H. W. Hubers, B. Buchner, and T. Pichler. Novel catalysts for low temperature synthesis of single wall carbon nanotubes. *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*, 243(13):3101–3105, November 2006.
34. M. H. Rummeli, C. Kramberger, M. Loffler, M. Kalbac, H. W. Hubers, Grüneis, A., A. Barreiro, D. Grimm, P. Ayala, T. Gemming, F. Schaffel, L. Dunsch, B. Buchner, and T. Pichler. Synthesis of single wall carbon nanotubes with invariant diameters using a modified laser assisted chemical vapour deposition route. *NANOTECHNOLOGY*, 17(21):5469–5473, November 2006.
35. A. Barreiro, C. Kramberger, M. H. Rummeli, Grüneis, A., D. Grimm, S. Hampel, T. Gemming, B. Buchner, A. Bachtold, and T. Pichler. Control of the single-wall carbon nanotube mean diameter in sulphur promoted aerosol-assisted chemical vapour deposition. *CARBON*, 45(1):55–61, January 2007.
36. P. Ayala, Grüneis, A., T. Gemming, D. Grimm, C. Kramberger, M. H. Rummeli, F. L. Freire, H. Kuzmany, R. Pfeiffer, A. Barreiro, B. Buchner, and T. Pichler. Tailoring N-doped single and double wall carbon nanotubes from a nondiluted carbon/nitrogen feedstock. *JOURNAL OF PHYSICAL CHEMISTRY C*, 111(7):2879–2884, February 2007.
37. M. H. Rummeli, M. Loffler, C. Kramberger, F. Simon, F. Fulop, O. Jost, R. Schonfelder, Grüneis, A., T. Gemming, W. Pompe, B. Buchner, and T. Pichler. Isotope-engineered single-wall carbon nanotubes; A key material for magnetic studies. *JOURNAL OF PHYSICAL CHEMISTRY C*, 111(11):4094–4098, March 2007.
38. F. Schaffel, C. Kramberger, M.H. Rummeli, R. Kaltofen, D. Grimm, Grüneis, A., E. Mohn, T. Gemming, T. Pichler, B. Buchner, B. Rellinghaus, and L. Schultz. Carbon nanotubes grown from individual gas phase prepared iron catalyst particles. *Phys. Stat. Sol. (a)*,1-5/DOI 10.1002/pssa.200675339, 2007.
39. Grüneis, A., C. Attacalite, T. Pichler, V. Zabolotnyy, H. Shiozawa, S.L. Molodtsov, D. Inosov, A. Koitzsch, M. Knupfer, J. Schiessling, R. Follath, R. Weber, P. Rudolf, L. Wirtz, and A. Rubio. Electron–electron correlation in graphite. *submitted to Physical Review Letters; available at cond-matt*, 0704.2682, 2007.
40. H. Shiozawa, T. Pichler, Grüneis, A., R. Pfeiffer, H. Kuzmany, Z. Liu, K. Suenaga, and H. Kataura. Catalytic reaction inside a single-wall carbon nanotube. *submitted to Nature Materials*, 2007.

Conference Proceedings

1. H. Kuzmany, M. Hulman, W. Plank, Grüneis, A., C. Kramberger, H. Peterlik, T. Pichler, H. Kataura, and Y. Achiba. Quantum oscillations for the spectral moments of Raman spectra from SWCNT. *NANONETWORK MATERIALS: FULLERENES, NANOTUBES AND RELATED SYSTEMS, AIP Conference Proceedings*, 590:81–86, 2001.
2. Grüneis, A., M. Hulman, C. Kramberger, H. Peterlik, H. Kuzmany, H. Kataura, and Y. Achiba. Oscillatory behavior of Raman modes in SWCNT. *ELECTRONIC PROPERTIES OF MOLECULAR NANOSTRUCTURES: XV International Winterschool on Electronic Properties of Novel Materials, AIP Conference Proceedings edited by H. Kuzmany, J. Fink, M. Mehring and S. Roth*, 591:319–322, 2001.
3. M. Mannsberger, Grüneis, A., H. Kuzmany, W. Plank, T. Pichler, and A. Grueneis. Determination of bundle diameters in SWCNT material. *ELECTRONIC PROPERTIES OF MOLECULAR NANOSTRUCTURES: XV International Winterschool on Electronic Properties of Novel Materials, AIP Conference Proceedings edited by H. Kuzmany, J. Fink, M. Mehring and S. Roth*, 591:333–336, 2001.
4. J. Kurti, V. Zolyomi, Grüneis, A., and H. Kuzmany. Disorder induced triple resonant Raman phenomena in single-wall carbon nanotubes. *STRUCTURAL AND ELECTRONIC PROPERTIES OF MOLECULAR NANOSTRUCTURES: XVI International Winterschool on Electronic Properties of Novel Materials, AIP Conference Proceedings edited by H. Kuzmany, J. Fink, M. Mehring and S. Roth*, 633:347–351, 2002.

5. R. Saito, Grüneis, A., L. G. Cancado, M. A. Pimenta, A. Jorio, A. G. Souza, G. Dresselhaus, and M. S. Dresselhaus. D-band Raman spectra of graphite and single wall carbon nanotubes. *MAKING FUNCTIONAL MATERIALS WITH NANOTUBES* edited by O. Zhou and P. Ajayan, *Materials Research Society Symposium Proceedings*, 706:277–282, 2002.
6. Grüneis, A., R. Saito, G. G. Samsonidze, M. A. Pimenta, A. Jorio, A. G. Souza, G. Dresselhaus, and M. S. Dresselhaus. Characterization of nanographite and carbon nanotubes by polarization dependent optical spectroscopy. *QUANTUM CONFINED SEMICONDUCTOR NANOSTRUCTURES*, *Materials Research Society Symposium Proceedings* edited by J. M. Buriak, D. D. M. Wayner, F. Priolo, B. White, V. Klimov, and L. Tsybeskov, 737:523–528, 2003.
7. G. G. Samsonidze, R. Saito, A. Jorio, A. G. Souza, Grüneis, A., M. A. Pimenta, G. Dresselhaus, and M. S. Dresselhaus. Anisotropy in the phonon dispersion relations of graphite and carbon nanotubes measured by raman spectroscopy. *QUANTUM CONFINED SEMICONDUCTOR NANOSTRUCTURES*, edited by J. M. Buriak, D. D. M. Wayner, F. Priolo, B. White, V. Klimov, and L. Tsybeskov, *Materials Research Society Symposium Proceedings*, 737:673–678, 2003.
8. M. A. Pimenta, A. Jorio, M. S. S. Dantas, C. Fantini, M. de Souza, L. G. Cancado, G. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, Grüneis, A., R. Saito, A. G. Souza, Y. Kobayashi, K. Takai, K. Fukui, and T. Enoki. Resonance Raman scattering in carbon nanotubes and nanographites. *XVII International Winterschool on Electronic Properties of Novel Materials*, *AIP Conference Proceedings* edited by H. Kuzmany, J. Fink, M. Mehring and S. Roth, 685:219–224, 2003.
9. R. Saito, Grüneis, A., J. Jiang, A. Jorio, L. G. Cancado, C. Fantini, M. A. Pimenta, G. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, and A. G. Souza. Double resonance Raman spectroscopy and optical properties of single wall carbon nanotubes. *ELECTRONIC PROPERTIES OF SYNTHETIC NANOSTRUCTURES: XVIII International Winterschool on Electronic Properties of Novel Materials*, *AIP Conference Proceedings* edited by H. Kuzmany, J. Fink, M. Mehring and S. Roth, 723:407–412, 2004.
10. Grüneis, A., R. Saito, J. Jiang, L. G. Cancado, M. A. Pimenta, A. Jorio, C. Fantini, G. G. Samsonidze, G. Dresselhaus, M. S. Dresselhaus, and A. G. Souza. Electron-phonon interaction and Raman intensities in graphite. *ELECTRONIC PROPERTIES OF NOVEL NANOSTRUCTURES: XVIII International Winterschool on Electronic Properties of Novel Materials*, *AIP Conference Proceedings* edited by H. Kuzmany, J. Fink, M. Mehring and S. Roth, 723:372–376, 2004.
11. A. Jorio, C. Fantini, L. G. Cancado, H. B. Ribeiro, A. P. Santos, C. A. Furtado, M. S. Dresselhaus, G. Dresselhaus, G. G. Samsonidze, S. G. Chou, Grüneis, A., J. Jiang, N. Kobayashi, R. Saito, and M. A. Pimenta. Spectroscopy of small diameter single-wall carbon nanotubes. *ELECTRONIC PROPERTIES OF NOVEL NANOSTRUCTURES: XIX International Winterschool on Electronic Properties of Novel Materials*, *AIP Conference Proceedings* edited by H. Kuzmany, J. Fink, M. Mehring and S. Roth, 786:406–410, 2005.
12. A. Jorio, L.G. Cancado, R.A.N. Bernando, M. Souza, C. Fantini, M.A. Pimenta, G. Medeiros-Ribeiro, G. Samsonidze, S.G. Chou, G. Dresselhaus, M. S. Dresselhaus, M. Apparao, Grüneis, A., and R Saito. Resonance Raman spectroscopy to study and characterize defects on carbon nanotubes and other nanographitic systems. *Functional Carbon Nanotubes*, *Materials Research Society Symposium Proceedings* edited by D.L. Carroll, B. Weisman, S. Roth and A. Rubio, Paper HH11.2, 858E:1–6, 2005.
13. G. G. Samsonidze, Saito, J. Jiang, Grüneis, A., N. Kobayashi, A. Jorio, S.G. Chou, A. G. Souza, G. Dresselhaus, and M. S. Dresselhaus. Corrections to the optical transition energies in single-wall carbon nanotubes of smaller diameters. *Functional Carbon Nanotubes*, *Materials Research Society Symposium Proceedings*, edited by D.L. Carroll, B. Weisman, S. Roth and A. Rubio, Paper HH7.2, 858E:1–6, 2005.

Conference Talks

1. 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 talk). *Tsukuba Symposium on Carbon Nanotube*, *Tsukuba International Congress Center, Tsukuba, October 3-5, 2001*.
2. 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 talk). *International Symposium on Nanocarbon*, *Nagano Metropolitan Hotel, Nagano, November 14-16, 2001*.

3. R. Saito, A. Grüneis, A. Jorio, A.G. Souza Filho, M.S. Dresselhaus, G. Dresselhaus, Ge.G. Samsonidze, L.G. Cancado, and M.A. Pimenta. Optical properties and Resonant Raman spectroscopy of Carbon Nanotubes (invited talk). *International Conference on the Science and Application of Nanotubes (NT02) Boston College, Boston, USA, July 6-11, 2002.*
4. A. Grüneis, R. Saito, T. Kimura, L. G. Cancado, M.A. Pimenta, A. Jorio, A.G. Souza Filho, G. Dresselhaus, and M.S. Dresselhaus. Determination of Graphite Force constants by Raman Spectroscopy. *Japanese Physical Society Meeting, Ritsumeikan University, Kyoto, March 24-27, 2002.*
5. A. Grüneis, R. Saito, T. Kimura, L. G. Cancado, M.A. Pimenta, A. Jorio, A.G. Souza Filho, G. Dresselhaus, and M.S. Dresselhaus. Inhomogeneous optical absorption around K edge in Nanographite and Carbon Nanotubes. *Japanese Physical Society Meeting, Chubu University, Nagoya, Sept. 6-9, 2002.*
6. R. Saito, A. Grüneis, A. Jorio, A.G. Souza Filho, G. Dresselhaus, M.S. Dresselhaus, M.A. Pimenta, L.G. Cancado, V.W. Brar, and Ge.G. Samsonidze. Theory of Raman scattering in single wall carbon nanotubes (invited talk). *XVIIIth International Conference on Raman Spectroscopy (ICORS 2002), Budapest, August 25-30, 2002.*
7. A. Grüneis, R. Saito, T. Kimura, L. G. Cancado, M.A. Pimenta, A. Jorio, A.G. Souza Filho, G. Dresselhaus, and M.S. Dresselhaus. Electron-phonon interaction in graphite and Carbon Nanotubes. *Japanese Physical Society Meeting, Tohoku University, Sendai, March 28-31, 2003.*
8. A. Grüneis, R. Saito, Ge.G. Samsonidze, A. Jorio, M.A. Pimenta, A.G. Souza Filho, G. Dresselhaus, and M.S. Dresselhaus. Tight binding method and Raman spectra in small diameter carbon nanotubes. *Japanese Physical Society Meeting Tsushima Campus, Okayama University, Sept. 20-23, 2003.*
9. A. Grüneis, R. Saito, G. Samsonidze, M.A. Pimenta, A. Jorio, A.G.Souza-Filho, M.S. Dresselhaus, and G. Dresselhaus. Anisotropic Raman scattering in the k space of graphite and carbon nanotubes. *Annual American Physical Society March Meeting, Los Angeles, California, USA, Session: Carbon nanotubes Raman spectroscopy, Abstract: G26.005 March 4, 2003.*
10. J. Jiang, R. Saito, A. Grüneis, G. Dresselhaus, and M.S. Dresselhaus. Optical absorption in carbon nanotubes. *Fullerene Symposium, Okazaki, Jan. 6-9, 2004.*
11. A. Grüneis, R. Saito, J. Jiang, G. Dresselhaus, and M.S. Dresselhaus. Resonant Raman Intensity calculations in graphite and carbon nanotubes. *Fullerene Symposium, Okazaki, Jan. 6-9, 2004.*
12. G. Samsonidze, R. Saito, A. Grüneis, A. Jorio, A.G. Souza Filho, G. Dresselhaus, and M.S. Dresselhaus. Interband optical transitions in left and right handed single-wall carbon nanotubes. *Annual American Physical Society March Meeting, Montréal, Québec, Canada, Session: Theory of nanotubes and carbon based nanostructures, Abstract: Y15.003 March 26, 2004.*
13. G. Samsonidze, R. Saito, J. Jiang, A. Grüneis, A. Jorio, S.G. Chou, G. Dresselhaus, and M.S. Dresselhaus. The physics behind the family behavior of optical transition energies in single-wall carbon nanotubes. *Annual American Physical Society March Meeting, Los Angeles, California, USA, Session: Carbon nanotubes Raman spectroscopy, Abstract: B27.00010 March 21, 2005.*
14. G. Samsonidze, R. Saito, J. Jiang, A. Grüneis, N. Kobayasi, A. Jorio, S.G. Chou, G. Dresselhaus, and M.S. Dresselhaus. Corrections to the optical transition energies in single-wall carbon nanotubes of smaller diameters. *Materials Research Society, Boston, Massachusetts, USA, Symposium: Functional carbon nanotubes, Abstract: HH7.2 December 1, 2004.*
15. R. Saito, A. Grüneis, J. Jiang, Ge.G. 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 Winterschool on Electronic Properties of Novel Materials (IWEPM2004) Kirchberg, Austria, March 6-13, 2004.*
16. R. Saito, A. Grüneis, J. Jiang, Ge.G. Samsonidze, S.G. Chou L.G. Cancado, A. Jorio, M.A. Pimenta, G. Dresselhaus, and M.S. Dresselhaus. Relaxation processes of photo-excited electron-hole pair and Raman intensity of graphite and single wall carbon nanotubes (invited). *International symposium on nanocarbons, Hotel Metropolitan Nagano, Nov. 15-18, 2004.*

17. M.H. Ruemmeli, A. Grüneis, M. Loeffler, O. Jost, R. Schoenfelder, C. Kramberger, D. Grimm, T. Gemming, A. Barreiro, P. Ayala, E. Borowiak-Palen, M. Kalbac, L. Dunsch, T. Pichler, M. Knupfer, H.W. Huekers, and B. Buechner. Novel catalysis, room temperature and the importance of oxygen for the synthesis of single wall carbon nanotubes (invited). *International Winterschool on Electronic Properties of Novel Materials (IWEPNM2006) Kirchberg, Austria, March 6, 2006.*
18. A. Grüneis. Work and experiences of a Marie Curie Fellow (invited). *Marie Curie Open Days, Magdeburg, Oct. 12, 2006.*
19. A. Grüneis. Low energy quasiparticle dispersion of graphite by angle-resolve photoemission spectroscopy (invited talk). *International Winterschool on Electronic Properties of Novel Materials (IWEPNM2007) Kirchberg, Austria, March 14, 2007.*