

List of publications (Apr.2010 - Mar.2011)

1. Kentaro Furusawa, Norihiko Hayazawa, and Satoshi Kawata, "Two-beam multiplexed CARS based on a broadband oscillator" *Journal of Raman Spectroscopy*, 41, 840 (2010).
2. O. Moutanabbir, M. Reiche, A. Hähnel, W. Erfurth, U. Gösele, M. Motohashi, A. Tarun, N. Hayazawa, and S. Kawata, "Nanoscale patterning-induced strain redistribution in ultrathin strained Si layer on oxide" *Nanotechnology*, vol. 21, 134013 (2010).
3. Alvarado Tarun, Norihiko Hayazawa, and Satoshi Kawata, "Site-Selective Cutting of Carbon Nanotubes by Laser Heated Silicon Tip" *Jpn. J. Appl. Phys.* 49, 025003 (2010).
4. Hidekazu Ishitobi, Issei Nakamura, Norihiko Hayazawa, Zouheir Sekkat, and Satoshi Kawata, "Orientational Imaging of Single Molecules by Using Azimuthal and Radial Polarizations" *The Journal of Physical Chemistry B*, 114, pp. 2565-2571 (2010).
5. O. Moutanabbir, M. Reiche, A. Hähnel, W. Erfurth, M. Motohashi, A. Tarun, N. Hayazawa, and S. Kawata, "UV-Raman imaging of the in-plane strain in single ultrathin strained silicon-on-insulator patterned structure" *Applied Physics Letters*, 96, 233105 (2010). PDF
6. O. Moutanabbir, M. Reiche, A. Hähnel, W. Erfurth, M. Motohashi, A. Tarun, N. Hayazawa, S. Kawata, F. Naumann, and M. Patzold, "Strain Stability in Nanoscale Patterned Strained Silicon-on-Insulator" *The Electrochemical Society Transactions*, 33, pp. 511-522 (2010).
7. A. Tarun, N. Hayazawa, T. Yano, and S. Kawata, "Tip heating-assisted Raman spectroscopy at elevated temperatures" *Journal of Raman Spectroscopy*, accepted.
8. Prabhat Verma, Taro Ichimura, Taka-aki Yano, Yuika Saito, and Satoshi Kawata, "Nano-imaging through tip-enhanced Raman spectroscopy: Stepping beyond the classical limits," *Laser & Photon. Rev.*, Vol. 4, pp. 548 - 561 (2010).
9. Yasuaki Kumamoto, Atsushi Taguchi, Nicholas Isaac Smith, and Satoshi Kawata, "Deep UV resonant Raman spectroscopy for photodamage characterization in cells," *Biomed. Opt. Exp.* 2, 927 (2011).

Books, Proceedings (Apr.2010-Mar.2011)

1. N. Hayazawa and P. Verma, "Nano-analysis of materials using near-field Raman spectroscopy" in *Frontiers in Nanoscience and Nanotechnology*, Anant Narlikar Ed., Chapter 10, pp. 364-404 (Oxford University Press, 2010).
2. O. Moutanabbir, M. Reiche, A. Hähnel, W. Erfurth, A. Tarun, N. Hayazawa, S. Kawata, F. Naumann, M. Petzold, M. Holt, J. Maser, "Strain in Silicon Nanoscale Systems" *Max Planck Institute Annual Report* 2010.
3. 田口敦清, "紫外はプラズモニクスのフロンティア？," *分光研究* 59, 2, 102-103 (2010).
4. T. Ichimura and S. Kawata, "Surface- and Tip-enhanced CARS" in *Surface Enhanced Raman Spectroscopy* (WILEY-VCH, 2011).
5. 河田聡, 「論文・プレゼンの科学」 アドスリー社, 2010.