

Publications (Apr.2012 - Mar. 2013)

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2. Satoshi Kawata, "Plasmonics for Nanoimaging and Nanospectroscopy," *Appl. Spectrosc.* 67, 117-125 (2013).
3. Yuika Saito, Mitsuhiro Honda, Koichi Watanabe, Atsushi Taguchi, Yujian Song, and Satoshi Kawata, "Design of Aluminum Nanostructures for DUV Plasmonics: Blue Shifts in Plasmon Resonance Wavelength by Height Control," *J. Japan Inst. Metals* 77, 1, 27-31 (2013).
4. Satoshi Kawata, "Plasmonics: Future Outlook," *Jpn. J. Appl. Phys.* 52, 010001 (2012).
5. N. Hayazawa, K. Furusawa, and S. Kawata, "Nanometric locking of the tight focus for optical microscopy and tip-enhanced microscopy", *Nanotechnology*, 23, 465203 (2012).
6. K. Furusawa, N. Hayazawa, F. C. Catalan, T. Okamoto, and S. Kawata, "Tip-enhanced broadband CARS spectroscopy and imaging using a photonic crystal fiber based broadband light source", *Journal of Raman Spectroscopy*, vol. 43, pp. 656-661 (2012).
7. N. Hayazawa, T. Yano, and S. Kawata, "Highly reproducible tip-enhanced Raman scattering using an oxidized and metallized silicon tip as a tool for everyone", *Journal of Raman Spectroscopy*, vol. 43, pp. 1177-1182 (2012).
8. Yasuaki Kumamoto, Atsushi Taguchi, Nicholas Isaac Smith, and Satoshi Kawata, "Deep ultraviolet resonant Raman imaging of a cell", *Journal of Biomedical Optics* Vol. 17, 076001 (2012).
9. Taka-aki Yano, Taro Ichimura, Shota Kuwahara, Prabhat Verma and Satoshi Kawata, "Subnanometric stabilization of plasmon-enhanced optical microscopy", *Nanotechnology*, Vol. 23, 205503 (2012).
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11. Takayuki Okamoto and Satoshi Kawata, "Dispersion relation and radiation properties of plasmonic crystals with triangular lattices", *Opt. Express* 20, 5, 5168-5177 (2012).
12. Kazumasa Uetsuki, Prabhat Verma, Peter Nordlander and Satoshi Kawata, "Tunable plasmon resonances in a metallic nanotip-film system", *Nanoscale* vol. 4, pp. 5931-5935 (2012).

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1. N. Hayazawa, A. Tarun, A. Taguchi, and K. Furusawa, "Tip Enhanced Raman Spectroscopy" in *Raman Spectroscopy for Nanomaterials Characterization*, Challa Kumar Ed., pp. 445-476, (Springer, 2012).
2. Katsuyoshi Ikeda, Kohei Uosaki, "Nonlinear Raman scattering spectroscopy for carbon nanomaterials" in C. Kumar Ed. "Raman Spectroscopy for Nanomaterials Characterization" (Characterization Tools for Nanoscience & Nanotechnology, Vol.1), Springer-verlag Berlin Heidelberg, p.99-118 (2012). ISBN 978-3-642-20619-1