

Newsletter, Dec. 2009

Papers

Alignment, Rotation, and Spinning of Single Plasmonic Nanoparticles and Nanowires Using Polarization Dependent Optical Forces

L. Tong, V.D. Miljković and M. Käll

Nano Lett., 10, 268 (2010)

<http://pubs.acs.org/doi/abs/10.1021/nl9034434>

Optical Label-Free Nanoplasmonic Biosensing Using a Vertical-Cavity Surface-Emitting Laser and Charge-Coupled Device

Karin Hedsten[†], Jordi Fonollosa^{||}, Peter Enoksson[†], Peter Modh[§], Jørgen Bengtsson[§], Duncan S. Sutherland[⊥] and Alexandre Dmitriev

Anal. Chem., Article ASAP

<http://pubs.acs.org/doi/abs/10.1021/ac9025169>

Strong coupling of localized plasmons and molecular excitons in nanostructured silver films

N.I. Cade , T. Ritman-Meer, & D. Richards

Phys. Rev. B, DOI: 10.1103/PhysRevB.79.241404

<http://link.aps.org/abstract/PRB/v79/e241404>

Plasmonic engineering of metal nanoparticles for enhanced fluorescence and Raman scattering

N.I. Cade , T. Ritman-Meer, K.A. Kwakwa, & D. Richards

Nanotechnology, DOI: 10.1088/0957-4484/20/28/285201

<http://www.iop.org/EJ/abstract/0957-4484/20/28/285201/>

Active plasmonics: current status

Kevin F. MacDonald* and Nikolay I. Zheludev

Laser & Photon. Rev., DOI 10.1002/lpor.200900035

[www3.interscience.wiley.com/cgi-bin/fulltext/123212324/PDFSTART](http://www.interscience.wiley.com/cgi-bin/fulltext/123212324/PDFSTART)

Thermo-optic control of dielectric-loaded plasmonic waveguide components

J. Gosciniak¹, S. I. Bozhevolnyi, T. B. Andersen, V. S. Volkov, J. Kjelstrup-Hansen, L.

Markey, and A. Dereux

Opt. Exp. 18, 1207 (2010)

<http://www.opticsinfobase.org/oe/abstract.cfm?uri=oe-18-2-1207>

High-Q plasmonic resonators based on metal split nanocylinders

G. Della Valle, T. Søndergaard, and S. I. Bozhevolnyi

Phys. Rev. B 80, 235405 (2009)

<http://prb.aps.org/abstract/PRB/v80/i23/e235405>

Plasmonic candle: towards efficient nanofocusing with channel plasmon polaritons

V. S. Volkov, J. Gosciniak, S. I. Bozhevolnyi, S. G. Rodrigo, L. Martín-Moreno, F. J. García-Vidal, E. Devaux and T. W. Ebbesen

New J. Phys. 11, 113043 (2009)

<http://www.iop.org/EJ/abstract/1367-2630/11/11/113043>

Resonant plasmon nanofocusing by closed tapered gaps

T. Søndergaard, S. I. Bozhevolnyi, J. Beermann, S. M. Novikov, E. Devaux and T. W. Ebbesen

Nano Lett., 10, 291 (2010)

<http://pubs.acs.org/doi/abs/10.1021/nl903563e>

Design and characterization of dielectric-loaded plasmonic directional couplers

T. Holmgaard, Z. Chen, S. I. Bozhevolnyi, L. Markey, and A. Dereux

J. Lightwave Technol. 27, 5521 (2009)

<http://www.opticsinfobase.org/abstract.cfm?URI=JLT-27-24-5521>

Events

Metamaterials '2010

Fourth International Congress on Advanced Electromagnetic Materials in Microwaves and Optics (<http://congress2010.metamorphose-vi.org/>), Karlsruhe, Germany

Conference: September 13 – 16, 2010; Doctoral School: September 17 – 18, 2010

Deadline: March 29, 2010

Contact: Stefan Linden and Vladimir Podlozny (contact@congress2010.metamorphose-vi.org)

Gordon Research Conference: Ultrafast Phenomena In Cooperative Systems

February 28 - March 5, 2010, Hotel Galvez, Galveston, TX

Chair: [Tony F. Heinz](#); Vice Chair: [Alfred Leitenstorfer](#)

<http://www.grc.org/programs.aspx?year=2010&program=ultrafast>

Applications: by February 7, 2010

SPIE Optics+Photonics

San Diego Convention Center San Diego, California, USA

Conference: 1-5 August 2010 Courses: 1-5 August 2010

http://spie.org/optics-photonics.xml?WT.mc_id=RABSDUE2ABE

Abstracts are due by 18 January