

Publications**Books**

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Regular papers and Letters

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 246. (poster) Subwavelength localization of light on double-periodic nanowire metamaterials. T. S. Kao, F. M. Huang, V. A. Fedotov, and N. I. Zheludev. NANOMETA 2009, Seefeld, Austria, 5-8 Jan 2009
 247. (invited) Coherent Photonic Meta-materials (prov). N.I.Zheludev. etamaterials and their Applications (MetaIn-2008), Hyderabad, India, 18 - 20 Dec 2008
 248. (invited) Photonic Meta-materials (prov). beyond negative refraction. N.I.Zheludev. International Workshop on Theoretical and Computational Photonics (TaCoNa-Photonics), Bad Honnef, Germany, 03 - 05 Dec 2008
 249. (invited)) Photonic Meta-materials and chirality (prov). N.I.Zheludev. International Workshop on Metamaterials and Plasmonics, Shanghai, China, 13 - 15 Nov 2008
 250. Optical Activity without Chirality: A New Way to Negative Index Metamaterials. E. Plum, V. A. Fedotov, and N. I. Zheludev. Plasmonics and Metamaterials (META), Rochester, New York, USA, 20 - 23 Oct 2008
 251. Femtosecond Active Plasmonics. K. F. MacDonald, Z. L. Sámson, N. I. Zheludev, and M. I. Stockman. Plasmonics and Metamaterials (META), Rochester, New York, USA, 20 - 23 Oct 2008
 252. Nano "Light Well": A Free-Electron Light Source On-a-Chip. K. F. MacDonald, G. Adamo, N. I. Zheludev, F. J. García de Abajo, Y. H. Fu, C. M. Wang, and D. P. Tsai. Plasmonics and Metamaterials (META), Rochester, New York, USA, 20 - 23 Oct 2008

253. Mimicing Quantum Phenomena with Classical metamaterials. N.I.Zheludev. EOS Annual Meeting 2008, Paris, France, 29 Sep - 02 Oct 2008
254. (invited) Photonic planar metamaterials: spectral selectivity, magnetic mirrors, optical activity and asymmetric transmission. V. A. Fedotov and N. I. Zheludev. Photonics Prague 2008, Prague, Czech Republic, 27 - 29 Aug 2008
255. Asymmetric transmission through planar chiral photonic nanostructures. E. Plum, A. S. Schwanecke, V. A. Fedotov, N. I. Zheludev, Y. Chen, V. V. Khardikov, and S. L. Prosvirnin. IoP Quantum Electronics and Photonics Conference (QEP-18), Edinburgh, UK, 26 - 29 Aug 2008
256. Femtosecond control of surface plasmon-polariton propagation. K. F. MacDonald, Z. L. Sámsón, N. I. Zheludev, and M. I. Stockman. IoP Quantum Electronics and Photonics Conference (QEP-18), Edinburgh, UK, 26 - 29 Aug 2008
257. Optical activity in toroidal metamaterials. N. Papasimakis, V. A. Fedotov, K. Marinov, A. D. Boardman, and N. I. Zheludev. IoP Quantum Electronics and Photonics Conference (QEP-18), Edinburgh, UK, 26 - 29 Aug 2008
258. Coherent metamaterials and the lasing spaser. N. I. Zheludev, S. L. Prosvirnin, N. Papasimakis, and V. A. Fedotov. IoP Quantum Electronics and Photonics Conference (QEP-18), Edinburgh, UK, 26 - 29 Aug 2008
259. High-density nanoparticle phase change memory. A. I. Denisyuk, K. MacDonald, N. Zheludev. IoP Quantum Electronics and Photonics Conference (QEP-18), Edinburgh, UK, 26 - 29 Aug 2008
260. (poster) Lensing functions of a nanohole array. F. M. Huang, V. A. Fedotov, T. S. Kao, and N. I. Zheludev; [presenter: A. I. Denisyuk. IoP Quantum Electronics and Photonics Conference (QEP-18), Edinburgh, UK, 26 - 29 Aug 2008
261. (invited) Photonic Metamaterials. N. I. Zheludev. . CFN summer school on "Nanophotonics", Bad Herrenalb, Germany, 22 - 25 Aug 2008
262. (invited) Imaging with a nanohole array. F. M. Huang, T. S. Kao, V. A. Fedotov, and N. I. Zheludev. SPIE Plasmonics: Nanoimaging, Nanofabrication, and Their Applications IV, San Diego, CA, USA, 10 - 14 Aug 2008
263. (invited) Lasing spaser. N. I. Zheludev, S. L. Prosvirnin, N. Papasimakis, and V. A. Fedotov. SPIE Plasmonics: Metallic Nanostructures and Their Optical Properties VI, San Diego, CA, USA, 10 - 13 Aug 2008
264. Femtosecond modulation of surface plasmon-polariton propagation. K. F. MacDonald, Z. L. Sámsón, N. I. Zheludev, and M. I. Stockman. SPIE Plasmonics: Metallic Nanostructures and Their Optical Properties VI, San Diego, CA, USA, 10 - 13 Aug 2008
265. (keynote) Tailoring the near-field through scatterer arrays: Talbot effect, near-field antennas, and related phenomena. F. J. García de Abajo, A. G. Curto, A. Manjavacas, M. R. Dennis, N. I. Zheludev. SPIE Metamaterials: Fundamentals and Applications, San Diego, CA, USA, 10 - 13 Aug 2008
266. (invited) Mimicking quantum phenomena with classical meta-materials. N. I. Zheludev. SPIE Metamaterials: Fundamentals and Applications, San Diego, CA, USA, 10 - 13 Aug 2008
267. (invited) Coherent plasmonic meta-matearils. N. I. Zheludev. Plasmonics Gordon Conference, Tilton, NH, USA, 27 Jul - 01 Aug 2008
268. (invited) Optical super-resolution through super-oscillations. N. I. Zheludev. ISOM/ODS'08: International Symposium on Optical Memory / Optical Data Storage, Waikoloa, Hawaii, USA, 13 - 17 Jul 2008

269. Towards femto-joule nanoparticle phase-change optical memory. A. I. Denisyuk, K. F. MacDonald, and N. I. Zheludev. ISOM/ODS'08: International Symposium on Optical Memory / Optical Data Storage, Waikoloa, Hawaii, USA, 13 - 17 Jul 2008
270. Slow light in "zero thickness" metamaterials. N. Papasimakis, V. A. Fedotov, S. L. Prosvirnin, and N. I. Zheludev. Slow and Fast Light, Boston, MA, USA, 13 - 16 Jul 2008
271. (invited) Planar nanostructured photonic meta-materials: from "invisibility" and optical "superconductivity" to lasing SPASER. N. I. Zheludev. ICO-21 International Commission for Optics Congress, Sydney, Australia, 07 - 10 Jul 2008
272. (invited) Planar photonic metamaterials - the new elemental base of nanophotonic devices. N. I. Zheludev and V. A. Fedotov. CIMTEC 2008, Acireale, Italy, 08 - 13 Jun 2008
273. (invited) Coherent meta-materials and the lasing spaser. N. I. Zheludev, S. L. Prosvirnin, N. Papasimakis, and V. A. Fedotov. IEEE COMCAS 2008, Tel Aviv, Israel, 13 - 14 May 2008
274. (invited) Mimicking quantum phenomena with classical metamaterials. N. Zheludev. META'08 NATO Advanced Research Workshop on Metamaterials for Secure Information and Communication Technologies, Marrakesh, Morocco, 07 - 10 May 2008
275. (invited) Trapped-mode resonances in isotropic planar metamaterials. S. L. Prosvirnin, V. A. Fedotov, S. Zouhdi, and N. I. Zheludev. META'08 NATO Advanced Research Workshop on Metamaterials for Secure Information and Communication Technologies, Marrakesh, Morocco, 07 - 10 May 2008
276. Optical magnetism in chiral meta-materials. V. A. Fedotov, E. Plum, C. Soukoulis, and N. I. Zheludev. META'08 NATO Advanced Research Workshop on Metamaterials for Secure Information and Communication Technologies, Marrakesh, Morocco, 07 - 10 May 2008
277. Asymmetric transmission through chiral symmetry breaking in planar metamaterials. E. Plum, V. A. Fedotov, and N. I. Zheludev. QELS, San Jose, USA, 4 - 9 May 2008
278. 3-d-chiral metamaterial with artificial magnetic response. E. Plum, J. Dong, J. Zhou, V. A. Fedotov, T. Koschny, C. Soukoulis, and N. I. Zheludev. QELS, San Jose, USA, 4 - 9 May 2008
279. Cathodoluminescence readout of high-density nanoparticle phase change memory. A. I. Denisyuk, K. F. MacDonald, and N. I. Zheludev; QELS, San Jose, USA, 4 - 9 May 2008
280. (invited) Planar metamaterials obtaining new functionalities beyond negative refraction. N. I. Zheludev. Women in Photonics (WiP) / School on Photonic Metamaterials, 13 - 17 Apr 2008, Paris, France
281. (invited) Close-mode resonances in meta-materials and lasing spaser. N. I. Zheludev, V. A. Fedotov, N. Papasimakis, E. Plum, S. L. Prosvirnin. Photonics Europe (SPIE Europe), Strasbourg, France, 7 - 11 Apr 2008
282. Nano-hole array as a lens. F. M. Huang, V. A. Fedotov, T. S. Kao, and N. I. Zheludev. Photonics Europe (SPIE Europe), Strasbourg, France, 7 - 11 Apr 2008
283. (invited) Optical superresolution through super-oscillations. F. M. Huang, V. A. Fedotov, Y. Chen, F. J. Garcia de Abajo, and N. I. Zheludev. Progress In Electromagnetics Research Symposium (PIERS), Hangzhou, China, 24 - 28 Mar 2008
284. (invited) Femtosecond control of plasmon propagation. N. I. Zheludev, K. F. MacDonald, Z. L. Sámsón, and M. Stockman. Functional Plasmonics and Nanophotonics at MRS Spring Meeting 2008, San Francisco, CA, USA, 24 - 28 Mar 2008
285. (invited) Coherent Meta-materials and the Lasing Spaser. N. I. Zheludev, N. Papasimakis, V. A. Fedotov, and S. Prosvirnin. 6th International Workshop on Nanophotonics, Taipei, Taiwan, 11 Mar 2008

286. (invited) Nanophotonics under the Electron Microscope. K. F. MacDonald, A. I. Denisyuk, F. Jonsson, B. F. Soares, M. V. Bashevoy, and N. I. Zheludev. 6th International Workshop on Nanophotonics, Taipei, Taiwan, 11 Mar 2008
287. (invited) Long Pulse Delays; A Planar Metamaterial Analog of EIT. N. Papasimakis, V. A. Fedotov, N. I. Zheludev, and S. Prosvirnin. 6th International Workshop on Nanophotonics, Taipei, Taiwan, 11 Mar 2008
288. (invited) Close mode resonances in photonic meta-materials. N. I. Zheludev 38th Winter Colloquium on The Physics of Quantum Electronics (PQE-2008), Snowbird, Utah, USA, 6 - 10 Jan 2008
289. (invited) Far-field subwavelength focusing and extraordinary transmission of light by a quasi-periodic array of nano-holes. F. M. Huang, A. Schwanecke, N. Papasimakis, Y. Chen, F. J. Garcia de Abajo, and N. I. Zheludev. Metamaterials 2007: First International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, Rome, Italy, 22 - 26 Oct 2007
290. (invited) Planar and layered chiral meta-surfaces V. A. Fedotov, E. Plum, A. S. Schwanecke, Y. Chen, V. V. Khardikov, S. L. Prosvirnin, and N. I. Zheludev. Metamaterials 2007: First International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, Rome, Italy, 22 - 26 Oct 2007
291. (invited) Planar meta-material for highly integrated photonic circuits N. I. Zheludev. Optical Microsystems, Capri, Italy, 30 Sep - 03 Oct 2007
292. (invited) Plasmon resonances in photonic chiral metamaterials N. I. Zheludev, V. Fedotov, A. Schwanecke, E. Plum, N. Papasimakis, and K. Marinov. Frontiers in Optics 2007, San Jose, CA, USA, 16 - 20 Sep 2007
293. (invited) Planar Photonic Meta-Materials N. I. Zheludev. International School of Nanophotonics, Maratea, Italy, 14 - 22 Sep 2007
294. (invited) Nanophotonics of Structural Transformations N. I. Zheludev. International School of Nanophotonics, Maratea, Italy, 14 - 22 Sep 2007
295. (invited) Sub-wavelength localizations of light through optical super-oscillations. N. I. Zheludev, F. M. Huang, Y. Chen, and F. J. Garcia de Abajo Plasmonics: Metallic Nanostructures and their Optical Properties V at SPIE Optics and Photonics Congress, San Diego, USA, 26 - 30 Aug 2007
296. (invited) The plasmonic Talbot effect. F. J. Garcia de Abajo, N. I. Zheludev, and M. Dennis. Photonic Metamaterials at SPIE Optics and Photonics Congress, San Diego, USA, 26 - 30 Aug 2007
297. (invited) Chirality in photonic meta-materials (Keynote) N. I. Zheludev, V. A. Fedotov, M. Rose, N. Papasimakis, and S. L. Prosvirnin Photonic Metamaterials at SPIE Optics and Photonics Congress, San Diego, USA, 26 - 30 Aug 2007
298. (invited) Hyperspectral cathodoluminescent imaging of plasmonic excitations with nanoscale resolution. N. I. Zheludev, M. Bashevoy, A. Denisyuk, and F. Jonsson. Plasmonics: Nanoimaging, Nanofabrication, and their Applications III at SPIE Optics and Photonics Congress, San Diego, USA, 26 - 30 Aug 2007
299. Phase-change memory functionality in gallium nanoparticles A. I. Denisyuk, F. Jonsson, and N. I. Zheludev. 8th International Congress on Optical Particle Characterization (OPC 2007), Graz, Austria, 09 - 13 Jul 2007
300. Optical size control in growth of gallium nanoparticles A. I. Denisyuk, F. Jonsson, and N. I. Zheludev. 8th International Congress on Optical Particle Characterization (OPC 2007), Graz, Austria, 09 - 13 Jul 2007

301. (invited) Planar meta-materials - the new elemental base of nanophotonics. N. I. Zheludev. The Institution of Engineering and Technology NanoPhotonics Forum 2007, London, UK, 26 Jun 2007
302. Metamaterials with giant optical activity. V. A. Fedotov, E. Plum, A. S. Schwanecke, Y. Chen, and N. I. Zheludev. CLEO/Europe-IQEC2007, Munich, Germany, 17 - 22 Jun 2007
303. Phase-change memory functionality in Gallium nanoparticles. A. I. Denisyuk, F. Jonsson and N. I. Zheludev. CLEO/Europe (CLEO/Europe-IQEC2007), Munich, Germany, 17 - 22 Jun 2007
304. Long pulse delays in thin metamaterial slabs. N. Papasimakis, V. A. Fedotov, S. L. Prosvirnin, and N. I. Zheludev. CLEO/Europe-IQEC2007, Munich, Germany, 17 - 22 Jun 2007
305. Achieving sharp resonances in metamaterials through symmetry breaking. V. A. Fedotov, M. Rose, N. Papasimakis, S. L. Prosvirnin, and N. I. Zheludev. CLEO/Europe-IQEC2007, Munich, Germany, 17 - 22 Jun 2007
306. Hyperspectral imaging of gold dimers. M. Bashevoy, F. Jonsson and N. Zheludev; presenter: A. I. Denisyuk. CLEO/Europe (CLEO/Europe-IQEC2007), Munich, Germany, 17 - 22 Jun 2007
307. (invited) Lensless focusing with subwavelength resolution by an array of nanoholes. F. M. Huang, Y. Chen, F. J. Garcia de Abajo, and N. Zheludev. CLEO/Europe (CLEO/Europe-IQEC2007), Munich, Germany, 17 - 22 Jun 2007
308. Enantiomerically sensitive plasmons. V. Fedotov, A. Schwanecke, E. Plum, N. Zheludev, V. Khardikov, and S. Prosvirnin. Surface Plasmon Photonics SPP-3, Dijon, France, 17 - 22 Jun 2007
309. Hyperspectral imaging of plasmons with nanoscale resolution. M. V. Bashevoy, F. Jonsson, Y. Chen, and N. I. Zheludev. Surface Plasmon Photonics SPP-3, Dijon, France, 17 - 22 Jun 2007
310. (invited) Optical super-oscillations as a way to sub-wavelength localizations of light without evanescent waves. F. M. Huang, Y. Chen, F. J. Garcia de Abajo, and N. I. Zheludev. Surface Plasmon Photonics SPP-3, Dijon, France, 17 - 22 Jun 2007
311. (invited) Far-field subwavelength focusing of light and plasmons by the Talbot effect. F. M. Huang, M. Dennis, F. J. Garcia de Abajo, and N. I. Zheludev. Photonic Metamaterials: From Random to Periodic, Jackson Hole, Wyoming, USA, 04 - 07 Jun 2007
312. Metamaterial analog of electromagnetically induced transparency. N. Papasimakis, V. A. Fedotov, S. L. Prosvirnin, and N. I. Zheludev. Photonic Metamaterials: From Random to Periodic, Jackson Hole, Wyoming, USA, 04 - 07 Jun 2007
313. Photonic chiral metamaterials. V. A. Fedotov, E. Plum, A. S. Schwanecke, Y. Chen, V. V. Khardikov, S. L. Prosvirnin, and N. I. Zheludev. Photonic Metamaterials: From Random to Periodic, Jackson Hole, Wyoming, USA, 04 - 07 Jun 2007
314. Electromagnetic properties of double-periodic planar chiral array. V. A. Fedotov, N. I. Zheludev, P. L. Mladyonov, and S. L. Prosvirnin. DAYS on DIFFRACTION-2007, St. Petersburg, Russia, 29 May - 01 Jun 2007
315. (invited) Planar meta-materials for future nano-photonics devices. V. A. Fedotov and N. I. Zheludev. ICONO/LAT 2007, Minsk, Belarus, 28 May - 01 Jun 2007
316. Cathodoluminescence read-out of the structural phase of gallium nanoparticles. A. I. Denisyuk, F. Jonsson, and N. I. Zheludev. ICONO/LAT 2007, Minsk, Belarus, 28 May - 01 Jun 2007

317. Electron Beam Excitation of Plasmonic Modes in Gold Dimers. M. Bashevoy, F. Jonsson, N. I. Zheludev, F. J. García de Abajo, I. Pastoriza-Santos and L. M. Liz Marzán. ICONO/LAT 2007, Minsk, Belarus, 28 May - 01 Jun 2007
318. Optimization of optical size control in gallium nanoparticle growth. A. I. Denisyuk, F. Jonsson, and N. I. Zheludev. ICONO/LAT 2007, Minsk, Belarus, 28 May - 01 Jun 2007
319. "Slow" light in media of "zero" dimension. N. Papasimakis, V. A. Fedotov, S. L. Prosvirnin, and N. I. Zheludev. QELS (CLEO/QELS 2007), Baltimore, MD, USA, 06 - 11 May 2007
320. Achieving sharp resonances in metamaterials via engaging "closed-modes". V. A. Fedotov, M. Rose, N. Papasimakis, S. L. Prosvirnin, and N. I. Zheludev. QELS (CLEO/QELS 2007), Baltimore, MD, USA, 06 - 11 May 2007
321. Hyperspectral imaging of plasmonic excitations induced by an electron beam. M. Bashevoy, F. Jonsson and N. Zheludev. QELS (CLEO/QELS 2007), Baltimore, MD, USA, 06 - 11 May 2007
322. Chiral photonic metamaterial. V. A. Fedotov, E. Plum, Y. Chen, A. S. Schwanecke, and N. I. Zheludev. QELS (CLEO/QELS 2007), Baltimore, MD, USA, 06 - 11 May 2007
323. (invited) Subwavelength focusing of light without evanescent waves by an array of nanoholes. F. M. Huang, Y. Chen, F. J. Garcia de Abajo, and N. Zheludev. QELS (CLEO/QELS 2007), Baltimore, MD, USA, 06 - 11 May 2007
324. (invited) Focusing of light by a single nano-hole and nano-hole arrays N. Zheludev and F. Huang. Condensed Matter and Materials Physics 2007, Leicester, UK, 12 - 13 Apr 2007
325. (invited) Light localization in quasi-periodic nano-photonics carpets. N. Zheludev, F. M. Huang, Y. Chen, and F. J. Garcia de Abajo. Progress in Electromagnetics Research Symposium (PIERS), Beijing, China, 26 - 30 March 2007
326. (invited) Focusing of light by a nano-hole array. N. I. Zheludev, F. Huang, and F. J. Garcia de Abajo. NANOMETA 2007, Seefeld, Austria, 09 - 11 Jan 2007
327. (invited) Negatively refracting uniaxial toroidal metamaterial. K. Marinov, A. Boardman, V. Fedotov, and N. Zheludev. NANOMETA 2007, Seefeld, Austria, 09 - 11 Jan 2007
328. Generation of surface plasmons by electron beam excitation. M. V. Bashevoy, F. Jonsson, N. I. Zheludev, and Y. Chen. NANOMETA 2007, Seefeld, Austria, 09 - 11 Jan 2007
329. (invited) Nanophotonics with the scanning electron microscope. F. Jonsson. NANOMETA 2007, Seefeld, Austria, 09 - 11 Jan 2007
330. "Slow" light in planar metamaterials. N. Papasimakis, V. A. Fedotov, S. L. Prosvirnin, and N. I. Zheludev. NANOMETA 2007, Seefeld, Austria, 09 - 11 Jan 2007
331. Asymmetric transmission of light through a planar chiral metamaterial. A. S. Schwanecke, V. A. Fedotov, N. I. Zheludev, V. V. Khardikov, S. L. Prosvirnin, and Y. Chen. NANOMETA 2007, Seefeld, Austria, 09 - 11 Jan 2007
332. 100 years of solid state opto-electronics or who and when invented the LED. N. I. Zheludev. NANOMETA 2007, Seefeld, Austria, 09 - 11 Jan 2007
333. Giant microwave and optical gyrotropy in bilayered chiral metamaterials. V. A. Fedotov, E. Plum, Y. Chen, A. S. Schwanecke, and N. I. Zheludev. NANOMETA 2007, Seefeld, Austria, 09 - 11 Jan 2007
334. Achieving sharp spectral resonances in metamaterials via engaging 'closed modes'. V. A. Fedotov, M. Rose, N. Papasimakis, S. L. Prosvirnin and N. I. Zheludev. NANOMETA 2007, Seefeld, Austria, 09 - 11 Jan 2007

335. (invited) Nanophotonic metamaterials - elemental base of the next photonic revolution. N. I. Zheludev. Nano & Micro Systems in Defence, London, UK, 30 - 31 Oct 2006
336. (invited) Nano metamaterials and photonic gratings by nanoimprint and hot embossing. Y. Chen, X. Wang, S. Banu, A. S. Schwanecke, H. Morgan, and N. I. Zheludev. International Symposium on Biophotonics, Nanophotonics and Metamaterials, Hangzhou, China, 16 - 18 Oct 2006
337. Focusing of light by a nano-hole array. F. M. Huang, Y. Chen, F. J. Garcia de Abajo, and N. Zheludev. Frontiers in Optics at 90th OSA Annual Meeting, New York, USA, 8 - 12 Oct 2006
338. (invited) Photonic planar meta-materials: Spectral selectivity, "invisible metals", magnetic mirrors, chirality and asymmetric transmission. N. I. Zheludev. Frontiers in Optics at 90th OSA Annual Meeting, New York, USA, 8 - 12 Oct 2006
339. (invited) All-optical phase-change memory in a single nanoparticle. B. Soares, F. Jonsson, K. MacDonald, and N. Zheludev. 2nd Annual Workshop - Advances in Nanophotonics (PhOREMOST EU NoE), Vilnius, Lithuania, 26 - 28 Sep 2006
340. Generation of plasmon waves by electron beam impact. M. V. Bashevoy, F. Jonsson, Y. Chen and N. I. Zheludev. 2nd Annual Workshop - Advances in Nanophotonics (PhOREMOST EU NoE), Vilnius, Lithuania, 26 - 28 Sep 2006
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342. Quasi-periodic arrays of subwavelength holes in a metal screen: Self-imaging in the near-field and far-field extraordinary transmission. F. M. Huang, A. S. Schwanecke, N. Papasimakis, Y. Chen, F. J. Garcia de Abajo, and N. I. Zheludev. NFO-9, Lausanne, Switzerland, 10 - 15 Sep 2006
343. Generating plasmon waves by electron beam excitation. M. V. Bashevoy, F. Jonsson, A. V. Krasavin, N. I. Zheludev, Y. Chen, and M. I. Stockman. NFO-9, Lausanne, Switzerland, 10 - 15 Sep 2006
344. All-optical switch and memory element based on a single nanoparticle. B. F. Soares, F. Jonsson, and N. I. Zheludev. NFO-9, Lausanne, Switzerland, 10 - 15 Sep 2006
345. Generation of travelling surface plasmon waves by free-electron impact. M. V. Bashevoy, F. Jonsson, A. V. Krasavin, N. I. Zheludev, Y. Chen, and M. I. Stockman. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006
346. The ultimate departure from geometrical optics: vortex optical field around plasmonic nanoparticle. M. V. Bashevoy, V. A. Fedotov, and N. I. Zheludev. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006
347. A nanoparticle as a bit of optical memory. B. F. Soares, M. V. Bashevoy, K. F. MacDonald, F. Jonsson, and N. I. Zheludev. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006
348. Asymmetric transmission of light through a planar chiral meta-material. V. A. Fedotov, P. L. Mladyonov, S. L. Prosvirnin, A. V. Rogacheva, Y. Chen, and N. I. Zheludev. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006
349. Nonlinear plasmonics in a gallium/aluminium nano-composite. K. F. MacDonald, A. V. Krasavin, B. F. Soares, M. V. Bashevoy, F. Jonsson, and N. I. Zheludev. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006
350. Dynamic structural equilibrium in self-assembled nanoparticles at the fiber tip: probing with second harmonic generation. B. F. Soares, F. Jonsson, K. F. MacDonald, A. I. Denisyuk, and N. I. Zheludev. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006

351. Optical magnetic mirror. A. Schwanecke, Y. Chen, V. Fedotov, V. Khardikov, S. Prosvirnin, and N. Zheludev. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006
352. Giant gyrotropy in bi-layered chiral structures. A. V. Rogacheva, V. A. Fedotov, A. S. Schwanecke, and N. I. Zheludev. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006
353. Extraordinary transmission through planar quasicrystal. F. J. Garcia de Abajo, V. A. Fedotov, N. Papasimakis, A. S. Schwanecke, Y. Chen, and N. I. Zheludev. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006
354. Diffraction bar-codes as high capacity optical microtags for chemical and biological applications. S. Birtwell, G. Galitonov, A. Whitton, H. Morgan, and N. Zheludev. QEP-17 at Photon06, Manchester, UK, 4 - 7 Sep 2006
355. Nano-imprinting lithography - a novel way to fabricate diffractive barcoded particles. S. Banu, S. Birtwell, G. Galitonov, A. Whitton, Y. Chen, N. Zheludev, and H. Morgan. MME 2006, Southampton, UK, 3 - 5 Sep 2006
356. (invited) Micro- and nanolithography for photonic meta-materials. Y. Chen, A. S. Schwanecke, and N. I. Zheludev. SPIE Optics and Photonics 2006, San Diego, CA, USA, 13 - 17 Aug 2006
357. Extraordinary light transmission through quasicrystal arrays of holes in a metal film. F. J. Garcia de Abajo, Y. Chen, V. A. Fedotov, N. Papasimakis, A. S. Schwanecke, and N. I. Zheludev. SPIE Optics and Photonics 2006, Complex Photonic Media (NP201), San Diego, CA, USA, 13 - 17 Aug 2006
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