

Romain Quidant

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

172
papers

15,135
citations

64
h-index

121
g-index

206
ext. papers

17,709
ext. citations

8.7
avg, IF

6.99
L-index

#	Paper	IF	Citations
172	Updates to the ACS Photonics Manuscript Categories: Expanding Communication Channels within the Photonics Community. <i>ACS Photonics</i> , 2022 , 9, 729-729	6.3	0
171	Mechanical Squeezing via Unstable Dynamics in a Microcavity.. <i>Physical Review Letters</i> , 2022 , 128, 143601	7.4	0
170	A Chemical Nanoreactor Based on a Levitated Nanoparticle in Vacuum.. <i>ACS Nano</i> , 2022 ,	16.7	2
169	Levitodynamics: Levitation and control of microscopic objects in vacuum. <i>Science</i> , 2021 , 374, eabg3027	33.3	22
168	Long-range optofluidic control with plasmon heating. <i>Nature Communications</i> , 2021 , 12, 2001	17.4	9
167	In Situ LSPR Sensing of Secreted Insulin in Organ-on-Chip. <i>Biosensors</i> , 2021 , 11,	5.9	11
166	Strong optomechanical coupling at room temperature by coherent scattering. <i>Nature Communications</i> , 2021 , 12, 276	17.4	15
165	Treatment of Hepatic Fibrosis in Mice Based on Targeted Plasmonic Hyperthermia. <i>ACS Nano</i> , 2021 , 15, 7547-7562	16.7	6
164	Targeted hyperthermia with plasmonic nanoparticles. <i>Frontiers of Nanoscience</i> , 2020 , 16, 307-352	0.7	2
163	Simple experimental procedures to distinguish photothermal from hot-carrier processes in plasmonics. <i>Light: Science and Applications</i> , 2020 , 9, 108	16.7	94
162	On-Demand Activation of Photochromic Nanoheaters for High Color Purity 3D Printing. <i>Nano Letters</i> , 2020 , 20, 3485-3491	11.5	12
161	Ionic Species Affect the Self-Propulsion of Urease-Powered Micromotors. <i>Research</i> , 2020 , 2020, 2424972	7.8	8
160	Wavefront Shaping by Thermo-Optical Engineering. <i>Optics and Photonics News</i> , 2020 , 31, 44	1.9	
159	Enhanced Chiral Sensing with Dielectric Nanoresonators. <i>Nano Letters</i> , 2020 , 20, 585-591	11.5	51
158	Extending Vacuum Trapping to Absorbing Objects with Hybrid Paul-Optical Traps. <i>Nano Letters</i> , 2020 , 20, 6018-6023	11.5	4
157	Applications and challenges of thermoplasmonics. <i>Nature Materials</i> , 2020 , 19, 946-958	27	102
156	Optimal Feedback Cooling of a Charged Levitated Nanoparticle with Adaptive Control. <i>Physical Review Letters</i> , 2019 , 122, 223602	7.4	43

155	Quantification of gold nanoparticle accumulation in tissue by two-photon luminescence microscopy. <i>Nanoscale</i> , 2019 , 11, 11331-11339	7.7	10
154	Accurate Mass Measurement of a Levitated Nanomechanical Resonator for Precision Force-Sensing. <i>Nano Letters</i> , 2019 , 19, 6711-6715	11.5	23
153	Unravelling the Role of Electric and Magnetic Dipoles in Biosensing with Si Nanoresonators. <i>ACS Nano</i> , 2019 , 13, 4582-4588	16.7	28
152	Plasmon-Based Biofilm Inhibition on Surgical Implants. <i>Nano Letters</i> , 2019 , 19, 2524-2529	11.5	30
151	Tunable and free-form planar optics. <i>Nature Photonics</i> , 2019 , 13, 649-656	33.9	31
150	Resolved-Sideband Cooling of a Levitated Nanoparticle in the Presence of Laser Phase Noise. <i>Physical Review Letters</i> , 2019 , 123, 153601	7.4	20
149	Non-invasive and quantitative in vivo monitoring of gold nanoparticle concentration and tissue hemodynamics by hybrid optical spectroscopies. <i>Nanoscale</i> , 2019 , 11, 5595-5606	7.7	4
148	Two-color dark-field (TCDF) microscopy for metal nanoparticle imaging inside cells. <i>Nanoscale</i> , 2018 , 10, 4019-4027	7.7	9
147	Optimum morphology of gold nanorods for light-induced hyperthermia. <i>Nanoscale</i> , 2018 , 10, 2632-2638	7.7	25
146	Overcoming Diffusion-Limited Biosensing by Electrothermoplasmonics. <i>ACS Photonics</i> , 2018 , 5, 3673-3679	7.7	21
145	White and Brightly Colored 3D Printing Based on Resonant Photothermal Sensitizers. <i>Nano Letters</i> , 2018 , 18, 6660-6664	11.5	15
144	Electrically Driven Varifocal Silicon Metalens. <i>ACS Photonics</i> , 2018 , 5, 4497-4503	6.3	48
143	Enantiomer-Selective Molecular Sensing Using Racemic Nanoplasmonic Arrays. <i>Nano Letters</i> , 2018 , 18, 6279-6285	11.5	83
142	Motion Control and Optical Interrogation of a Levitating Single Nitrogen Vacancy in Vacuum. <i>Nano Letters</i> , 2018 , 18, 3956-3961	11.5	28
141	Self-Calibrating On-Chip Localized Surface Plasmon Resonance Sensing for Quantitative and Multiplexed Detection of Cancer Markers in Human Serum. <i>ACS Sensors</i> , 2018 , 3, 1376-1384	9.2	39
140	In vivo testing of gold nanoparticles using the <i>Caenorhabditis elegans</i> model organism. <i>Acta Biomaterialia</i> , 2017 , 53, 598-609	10.8	33
139	Optically levitated nanoparticle as a model system for stochastic bistable dynamics. <i>Nature Communications</i> , 2017 , 8, 15141	17.4	60
138	On-a-chip Biosensing Based on All-Dielectric Nanoresonators. <i>Nano Letters</i> , 2017 , 17, 4421-4426	11.5	119

137	Plasmonic Waveguide-Integrated Nanowire Laser. <i>Nano Letters</i> , 2017 , 17, 747-754	11.5	64
136	Direct measurement of Kramers turnover with a levitated nanoparticle. <i>Nature Nanotechnology</i> , 2017 , 12, 1130-1133	28.7	69
135	Virtual Issue on Plasmonic-Based Sensing. <i>ACS Photonics</i> , 2017 , 4, 2382-2384	6.3	9
134	Thermoplasmonics. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2017 , 379-407	0.1	1
133	Controlled Interaction of Single Nitrogen Vacancy Centers with Surface Plasmons. <i>Springer Series in Solid-state Sciences</i> , 2017 , 73-95	0.4	
132	Direct Measurement of Photon Recoil from a Levitated Nanoparticle. <i>Physical Review Letters</i> , 2016 , 116, 243601	7.4	176
131	Light-Assisted Solvothermal Chemistry Using Plasmonic Nanoparticles. <i>ACS Omega</i> , 2016 , 1, 2-8	3.9	39
130	Unraveling the optomechanical nature of plasmonic trapping. <i>Light: Science and Applications</i> , 2016 , 5, e16092	16.7	70
129	Cyclic concentrator, carpet cloaks and fisheye lens via transformation plasmonics. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 044023	1.7	6
128	Trapping and manipulation of individual nanoparticles in a planar Paul trap. <i>Applied Physics Letters</i> , 2016 , 109, 163105	3.4	26
127	Coupling of individual quantum emitters to channel plasmons. <i>Nature Communications</i> , 2015 , 6, 7883	17.4	117
126	Cooling and manipulation of a levitated nanoparticle with an optical fiber trap. <i>Applied Physics Letters</i> , 2015 , 107, 151102	3.4	40
125	Self-induced back-action optical trapping in nanophotonic systems. <i>New Journal of Physics</i> , 2015 , 17, 123008	2.9	43
124	Active Control of Surface Plasmon Waveguides with a Phase Change Material. <i>ACS Photonics</i> , 2015 , 2, 669-674	6.3	77
123	Fast and Transparent Adaptive Lens Based on Plasmonic Heating. <i>ACS Photonics</i> , 2015 , 2, 355-360	6.3	30
122	Dynamic relaxation of a levitated nanoparticle from a non-equilibrium steady state. <i>Nature Nanotechnology</i> , 2014 , 9, 358-64	28.7	112
121	LSPR chip for parallel, rapid, and sensitive detection of cancer markers in serum. <i>Nano Letters</i> , 2014 , 14, 2636-41	11.5	218
120	Deterministic temperature shaping using plasmonic nanoparticle assemblies. <i>Nanoscale</i> , 2014 , 6, 8984-97.7		29

119	Nanoplasmonics for chemistry. <i>Chemical Society Reviews</i> , 2014 , 43, 3898-907	58.5	474
118	Nonlinear mode coupling and synchronization of a vacuum-trapped nanoparticle. <i>Physical Review Letters</i> , 2014 , 112, 103603	7.4	46
117	Deterministic optical-near-field-assisted positioning of nitrogen-vacancy centers. <i>Nano Letters</i> , 2014 , 14, 1520-5	11.5	39
116	Transformation Optics of Surface Plasmon Polaritons. <i>Handbook of Surface Science</i> , 2014 , 4, 279-307		
115	Three-dimensional manipulation with scanning near-field optical nanotweezers. <i>Nature Nanotechnology</i> , 2014 , 9, 295-9	28.7	240
114	Thermo-plasmonics: using metallic nanostructures as nano-sources of heat. <i>Laser and Photonics Reviews</i> , 2013 , 7, 171-187	8.3	800
113	Photoinduced heating of nanoparticle arrays. <i>ACS Nano</i> , 2013 , 7, 6478-88	16.7	251
112	Fast optical modulation of the fluorescence from a single nitrogen-vacancy centre. <i>Nature Physics</i> , 2013 , 9, 785-789	16.2	24
111	Thermal nonlinearities in a nanomechanical oscillator. <i>Nature Physics</i> , 2013 , 9, 806-810	16.2	158
110	Imaging of plasmonic heating in a living organism. <i>ACS Nano</i> , 2013 , 7, 8666-72	16.7	71
109	Observation of nitrogen vacancy photoluminescence from an optically levitated nanodiamond. <i>Optics Letters</i> , 2013 , 38, 2976-9	3	65
108	Mirror-image-induced magnetic modes. <i>ACS Nano</i> , 2013 , 7, 664-8	16.7	48
107	Three-dimensional optical manipulation of a single electron spin. <i>Nature Nanotechnology</i> , 2013 , 8, 175-9	28.7	105
106	Cloaking Liquid Surface Waves and Plasmon Polaritons. <i>Springer Series in Materials Science</i> , 2013 , 267-288.	9	
105	Multipolar radiation of quantum emitters with nanowire optical antennas. <i>Nature Communications</i> , 2013 , 4, 1750	17.4	131
104	Plasmon-assisted delivery of single nano-objects in an optical hot spot. <i>Nano Letters</i> , 2013 , 13, 4299-304	11.5	47
103	Optically Levitated Nanoparticles for Sensing Applications 2013 ,		2
102	Subkelvin parametric feedback cooling of a laser-trapped nanoparticle. <i>Physical Review Letters</i> , 2012 , 109, 103603	7.4	346

101	Engineering Through Mode Shaping and Lithographical Nanofabrication of Ultrasensitive Nano-plasmonic Sensors for Molecular Detection 2012 , 267-287		
100	Above-threshold ionization by few-cycle spatially inhomogeneous fields. <i>Physical Review A</i> , 2012 , 86,	2.6	31
99	Enhanced optical trapping and arrangement of nano-objects in a plasmonic nanocavity. <i>Nano Letters</i> , 2012 , 12, 125-32	11.5	134
98	Enhancement of high harmonic generation by confining electron motion in plasmonic nanostructures. <i>Optics Express</i> , 2012 , 20, 26261-74	3.3	118
97	Near-field mapping of plasmonic antennas by multiphoton absorption in poly(methyl methacrylate). <i>Nano Letters</i> , 2012 , 12, 4864-8	11.5	37
96	Optical and Thermal Properties of Gold Nanoparticles for Biology and Medicine 2012 , 273-298		
95	High-order-harmonic generation from inhomogeneous fields. <i>Physical Review A</i> , 2012 , 85,	2.6	117
94	Transformation plasmonics. <i>Nanophotonics</i> , 2012 , 1, 51-64	6.3	29
93	Enhancing the nonlinear optical response using multifrequency gold-nanowire antennas. <i>Physical Review Letters</i> , 2012 , 108, 217403	7.4	131
92	Plasmonic nanoparticle networks for light and heat concentration. <i>ACS Nano</i> , 2012 , 6, 3434-40	16.7	70
91	Mapping intracellular temperature using green fluorescent protein. <i>Nano Letters</i> , 2012 , 12, 2107-11	11.5	302
90	Plasmon Nano-Optics: Designing Novel Nano-Tools for Biology and Medicine. <i>Springer Series in Optical Sciences</i> , 2012 , 201-222	0.5	1
89	Performance of electro-optical plasmonic ring resonators at telecom wavelengths. <i>Optics Express</i> , 2012 , 20, 2354-62	3.3	43
88	Quantitative absorption spectroscopy of nano-objects. <i>Physical Review B</i> , 2012 , 86,	3.3	18
87	Plasmonic tweezers—the strength of surface plasmons. <i>MRS Bulletin</i> , 2012 , 37, 739-744	3.2	19
86	Excitation enhancement of a quantum dot coupled to a plasmonic antenna. <i>Advanced Materials</i> , 2012 , 24, OP314-20	24	67
85	Nanobiosensors for in vitro and in vivo analysis of biomolecules. <i>Methods in Molecular Biology</i> , 2012 , 811, 207-21	1.4	1
84	Optically levitating dielectrics in the quantum regime: Theory and protocols. <i>Physical Review A</i> , 2011 , 83,	2.6	155

83	Plasmon-assisted optofluidics. <i>ACS Nano</i> , 2011 , 5, 5457-62	16.7	219
82	Enhanced nonlinear response from metal surfaces. <i>Optics Express</i> , 2011 , 19, 1777-85	3.3	48
81	Fractal plasmonics: subdiffraction focusing and broadband spectral response by a Sierpinski nanocarpet. <i>Optics Express</i> , 2011 , 19, 3612-8	3.3	69
80	Optically-programmable nonlinear photonic component for dielectric-loaded plasmonic circuitry. <i>Optics Express</i> , 2011 , 19, 25222-9	3.3	27
79	Focus issue introduction: nanoplasmonics and metamaterials. <i>Optical Materials Express</i> , 2011 , 1, 1139	2.6	1
78	Plasmon nano-optical tweezers. <i>Nature Photonics</i> , 2011 , 5, 349-356	33.9	990
77	Nonlinear plasmonics at planar metal surfaces. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 3497-509	3	24
76	Experimental demonstration of dielectric-loaded plasmonic waveguide disk resonators at telecom wavelengths. <i>Applied Physics Letters</i> , 2011 , 98, 161102	3.4	27
75	On-a-chip surface plasmon tweezers. <i>Applied Physics Letters</i> , 2011 , 99, 061107	3.4	30
74	Fiber-Coupled Surface Plasmon Polariton Excitation in Imprinted Dielectric-Loaded Waveguides. <i>International Journal of Optics</i> , 2010 , 2010, 1-6	0.9	2
73	Publisher's Note: Surface-Enhanced Nonlinear Four-Wave Mixing [Phys. Rev. Lett. 104, 046803 (2010)]. <i>Physical Review Letters</i> , 2010 , 104,	7.4	5
72	Mapping heat origin in plasmonic structures. <i>Physical Review Letters</i> , 2010 , 104, 136805	7.4	218
71	Thermoplasmonics modeling: A Green's function approach. <i>Physical Review B</i> , 2010 , 82,	3.3	117
70	Nanoscale control of optical heating in complex plasmonic systems. <i>ACS Nano</i> , 2010 , 4, 709-16	16.7	484
69	Nonlinear dark-field microscopy. <i>Nano Letters</i> , 2010 , 10, 5076-9	11.5	55
68	Charge distribution induced inside complex plasmonic nanoparticles. <i>Optics Express</i> , 2010 , 18, 3035-44	3.3	36
67	Design and properties of dielectric surface plasmon Bragg mirrors. <i>Optics Express</i> , 2010 , 18, 14496-510	3.3	73
66	Hidden progress: broadband plasmonic invisibility. <i>Optics Express</i> , 2010 , 18, 15757-68	3.3	69

65	Surface-enhanced nonlinear four-wave mixing. <i>Physical Review Letters</i> , 2010 , 104, 046803	7.4	180
64	Extraordinary all-dielectric light enhancement over large volumes. <i>Nano Letters</i> , 2010 , 10, 4450-55	11.5	27
63	Toward quantum superposition of living organisms. <i>New Journal of Physics</i> , 2010 , 12, 033015	2.9	287
62	Unidirectional emission of a quantum dot coupled to a nanoantenna. <i>Science</i> , 2010 , 329, 930-3	33.3	1089
61	Deterministic subwavelength control of light confinement in nanostructures. <i>Physical Review Letters</i> , 2010 , 105, 216802	7.4	41
60	Direct Growth of Optical Antennas Using E-Beam-Induced Gold Deposition. <i>Plasmonics</i> , 2010 , 5, 135-139	2.4	22
59	Self-induced back-action optical trapping of dielectric nanoparticles. <i>Nature Physics</i> , 2009 , 5, 915-919	16.2	354
58	Temperature mapping near plasmonic nanostructures using fluorescence polarization anisotropy. <i>Optics Express</i> , 2009 , 17, 3291-8	3.3	130
57	Local observation of plasmon focusing in Talbot carpets. <i>Optics Express</i> , 2009 , 17, 23772-84	3.3	33
56	Plasmon near-field coupling in metal dimers as a step toward single-molecule sensing. <i>ACS Nano</i> , 2009 , 3, 1231-7	16.7	290
55	Free-space excitation of propagating surface plasmon polaritons by nonlinear four-wave mixing. <i>Physical Review Letters</i> , 2009 , 103, 266802	7.4	78
54	Nano-optical trapping of Rayleigh particles and Escherichia coli bacteria with resonant optical antennas. <i>Nano Letters</i> , 2009 , 9, 3387-91	11.5	259
53	Controlling the optical near field of nanoantennas with spatial phase-shaped beams. <i>Nano Letters</i> , 2009 , 9, 3608-11	11.5	84
52	Optical aggregation of metal nanoparticles in a microfluidic channel for surface-enhanced Raman scattering analysis. <i>Lab on A Chip</i> , 2009 , 9, 193-5	7.2	106
51	Heat generation in plasmonic nanostructures: Influence of morphology. <i>Applied Physics Letters</i> , 2009 , 94, 153109	3.4	371
50	Individual gold dimers investigated by far- and near-field imaging. <i>Journal of Microscopy</i> , 2008 , 229, 254-8	8.9	18
49	Shaping and manipulation of light fields with bottom-up plasmonic structures. <i>New Journal of Physics</i> , 2008 , 10, 105016	2.9	46
48	Spectroscopic mode mapping of resonant plasmon nanoantennas. <i>Physical Review Letters</i> , 2008 , 101, 116805	7.4	302

47	Dielectric-loaded surface plasmon polariton waveguides: Figures of merit and mode characterization by image and Fourier plane leakage microscopy. <i>Physical Review B</i> , 2008 , 78,	3.3	105
46	Detection of plasmon-enhanced luminescence fields from an optically manipulated pair of partially metal covered dielectric spheres. <i>Optics Letters</i> , 2008 , 33, 2749-51	3	11
45	Localized surface plasmon resonance effects on the magneto-optical activity of continuous Au/Co/Au trilayers. <i>Optics Express</i> , 2008 , 16, 16104-12	3.3	80
44	Channeling light along a chain of near-field coupled gold nanoparticles near a metallic film. <i>Optics Express</i> , 2008 , 16, 22029-38	3.3	22
43	Surface plasmon optical tweezers: tunable optical manipulation in the femtonewton range. <i>Physical Review Letters</i> , 2008 , 100, 186804	7.4	193
42	Light-induced manipulation with surface plasmons. <i>Journal of Optics</i> , 2008 , 10, 093001		35
41	Dielectric surface plasmon Bragg mirrors: theory, design, and properties 2008 ,		1
40	Surface plasmon optics for enhanced light-matter interaction 2008 ,		1
39	Mode mapping of plasmonic stars using TPL microscopy. <i>New Journal of Physics</i> , 2008 , 10, 105013	2.9	10
38	Probing the local field of nanoantennas using single particle luminescence. <i>Journal of Physics: Conference Series</i> , 2008 , 100, 052038	0.3	2
37	Colloidal-based localized surface plasmon resonance (LSPR) biosensor for the quantitative determination of stanozolol. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 1813-20	4.4	54
36	Surface-plasmon-based optical manipulation. <i>Laser and Photonics Reviews</i> , 2008 , 2, 47-57	8.3	89
35	Multiple trapping in a patterned plasmonic landscape 2007 ,		1
34	Growth of plasmonic gold nanostructures by electron beam induced deposition. <i>Applied Physics Letters</i> , 2007 , 91, 121112	3.4	47
33	Polymer-metal waveguides characterization by Fourier plane leakage radiation microscopy. <i>Applied Physics Letters</i> , 2007 , 91, 243102	3.4	70
32	InGaN green light emitting diodes with deposited nanoparticles. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2007 , 5, 86-90	2.6	19
31	Parallel and selective trapping in a patterned plasmonic landscape. <i>Nature Physics</i> , 2007 , 3, 477-480	16.2	370
30	Optical manipulation of plasmonic nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 233-239	2.6	17

29	Study of the angular acceptance of surface plasmon Bragg mirrors 2007 ,		1
28	Cavity resonances in finite plasmonic chains. <i>Applied Physics Letters</i> , 2007 , 90, 041109	3-4	12
27	Parallel and selective trapping in a patterned plasmonic landscape 2007 ,		7
26	Enhanced optical forces between coupled resonant metal nanoparticles. <i>Optics Letters</i> , 2007 , 32, 1156-83		91
25	Analysis of the angular acceptance of surface plasmon Bragg mirrors. <i>Optics Letters</i> , 2007 , 32, 2704-6	3	23
24	Coupling localized and extended plasmons to improve the light extraction through metal films. <i>Optics Express</i> , 2007 , 15, 10533-9	3-3	51
23	Local Field Spectroscopy of Metal Dimers by TPL Microscopy. <i>Plasmonics</i> , 2006 , 1, 41-44	2.4	23
22	Extended organization of colloidal microparticles by surface plasmon polariton excitation. <i>Physical Review B</i> , 2006 , 73,	3-3	152
21	Surface plasmon radiation forces. <i>Physical Review Letters</i> , 2006 , 96, 238101	7.4	206
20	Tunable optical sorting and manipulation of nanoparticles via plasmon excitation. <i>Optics Letters</i> , 2006 , 31, 2054-6	3	37
19	Quantitative detection of doping substances by a localised surface plasmon sensor. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 1345-9	11.8	40
18	Radiation forces on a Rayleigh dielectric sphere in a patterned optical near field. <i>Optics Letters</i> , 2005 , 30, 1009-11	3	72
17	Cumulative plasmon field enhancement in finite metal particle chains. <i>Optics Letters</i> , 2005 , 30, 1882-4	3	41
16	Electromagnetic coupling between a metal nanoparticle grating and a metallic surface. <i>Optics Letters</i> , 2005 , 30, 3404-6	3	127
15	Measurement of radiation forces generated by plasmon fields 2005 , 5930, 362		
14	Addressing and imaging microring resonators with optical evanescent light. <i>Physical Review B</i> , 2004 , 69,	3-3	9
13	Frustrated energy transport through micro-waveguides decorated by gold nanoparticle chains. <i>Europhysics Letters</i> , 2004 , 66, 785-791	1.6	7
12	Pentacene thin-film transistors with polymeric gate dielectric. <i>Organic Electronics</i> , 2004 , 5, 67-71	3-5	112

11	Modelling resonant coupling between microring resonators addressed by optical evanescent waves. <i>Nanotechnology</i> , 2004 , 15, 1200-1210	3.4	7
10	Tailoring the transmittance of integrated optical waveguides with short metallic nanoparticle chains. <i>Physical Review B</i> , 2004 , 69,	3.3	61
9	Sub-wavelength patterning of the optical near-field. <i>Optics Express</i> , 2004 , 12, 282-7	3.3	15
8	Optical sensing based on plasmon coupling in nanoparticle arrays. <i>Optics Express</i> , 2004 , 12, 3422-7	3.3	161
7	Near-field optical transmittance of metal particle chain waveguides. <i>Optics Express</i> , 2004 , 12, 6141-6	3.3	58
6	Spatially resolved photonic transfer through mesoscopic heterowires. <i>Physical Review E</i> , 2002 , 65, 036616	4	18
5	Imaging the local density of states of optical corrals. <i>Physical Review Letters</i> , 2002 , 88, 097402	7.4	137
4	SUBWAVELENGTH OPTICAL DEVICES FOR NANOMETER SCALE APPLICATIONS. <i>International Journal of Nanoscience</i> , 2002 , 01, 63-78	0.6	3
3	Near-field observation of evanescent light wave coupling in subwavelength optical waveguides. <i>Europhysics Letters</i> , 2002 , 57, 191-197	1.6	22
2	Simultaneous observation of light localization and confinement in near-field optics. <i>Europhysics Letters</i> , 2001 , 56, 517-522	1.6	5
1	Addressing and imaging high optical index dielectric ridges in the optical near field. <i>Physical Review E</i> , 2001 , 64, 066607	2.4	15