

Anatoly V Zayats

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.

158
papers

12,187
citations

46
h-index

109
g-index

184
ext. papers

14,657
ext. citations

9.3
avg, IF

6.81
L-index

#	Paper	IF	Citations
158	Nonlocality-enabled pulse management in epsilon-near-zero metamaterials.. <i>Advanced Materials</i> , 2022 , e2107023	24	2
157	Integrated Janus dipole source for selective coupling to silicon waveguide networks. <i>Applied Physics Reviews</i> , 2022 , 9, 021410	17.3	1
156	Photonic Spin Lattices: Symmetry Constraints for Skyrmion and Meron Topologies.. <i>Physical Review Letters</i> , 2021 , 127, 237403	7.4	8
155	Self-Assembled Plasmonic Coaxial Nanocavities for High-Definition Broad-Angle Coloring in Reflection and Transmission. <i>Advanced Optical Materials</i> , 2021 , 9, 2001923	8.1	1
154	Mode Engineering in Large Arrays of Coupled Plasmonic Dielectric Nanoantennas. <i>Advanced Optical Materials</i> , 2021 , 9, 2001467	8.1	1
153	Angle-insensitive plasmonic nanorod metamaterial-based band-pass optical filters. <i>Optics Express</i> , 2021 , 29, 11562-11569	3.3	0
152	Machine Learning-Based Diffractive Image Analysis with Subwavelength Resolution. <i>ACS Photonics</i> , 2021 , 8, 1448-1456	6.3	3
151	Light-induced symmetry breaking for enhancing second-harmonic generation from an ultrathin plasmonic nanocavity. <i>Nature Communications</i> , 2021 , 12, 4326	17.4	16
150	Transverse spinning of unpolarized light. <i>Nature Photonics</i> , 2021 , 15, 156-161	33.9	24
149	Directional imbalance of Bloch surface waves for ultrasensitive displacement metrology. <i>Nanoscale</i> , 2021 , 13, 11041-11050	7.7	6
148	Rational design of bimetallic photocatalysts based on plasmonically-derived hot carriers. <i>Nanoscale Advances</i> , 2021 , 3, 767-780	5.1	3
147	Rapid detection of SARS-CoV-2 viral nucleic acids based on surface enhanced infrared absorption spectroscopy. <i>Nanoscale</i> , 2021 , 13, 10133-10142	7.7	5
146	Transverse spin dynamics in structured electromagnetic guided waves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	22
145	Optical spin-orbit coupling in the presence of magnetization: photonic skyrmion interaction with magnetic domains. <i>Nanophotonics</i> , 2021 ,	6.3	4
144	Dynamics of hot carriers in plasmonic heterostructures. <i>Nanophotonics</i> , 2021 , 10, 2929-2938	6.3	2
143	Ultrafast Carrier and Lattice Dynamics in Plasmonic Nanocrystalline Copper Sulfide Films. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000346	8.3	3
142	Giant Enhancement of Second-Order Nonlinearity of Epsilon-near- Zero Medium by a Plasmonic Metasurface. <i>Nano Letters</i> , 2020 , 20, 5421-5427	11.5	21

141	Tunneling-induced broadband and tunable optical emission from plasmonic nanorod metamaterials. <i>Nanophotonics</i> , 2020 , 9, 427-434	6.3	5
140	3D Full-Color Image Projection Based on Reflective Metasurfaces under Incoherent Illumination. <i>Nano Letters</i> , 2020 , 20, 4481-4486	11.5	9
139	Lasing at the nanoscale: coherent emission of surface plasmons by an electrically driven nanolaser. <i>Nanophotonics</i> , 2020 , 9, 3965-3975	6.3	6
138	Refractive Index Sensing with Anisotropic Hyperbolic Metamaterials 2020 , 81-107		
137	Optoelectronic Synapses Based on Hot-Electron-Induced Chemical Processes. <i>Nano Letters</i> , 2020 , 20, 1536-1541	11.5	11
136	Reconfigurable cavity-based plasmonic platform for resonantly enhanced sub-bandgap photodetection. <i>Journal of Applied Physics</i> , 2020 , 128, 203101	2.5	1
135	Electric Control of Spin-Orbit Coupling in Graphene-Based Nanostructures with Broken Rotational Symmetry. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000214	8.3	0
134	Single-nanowire spectrometers. <i>Science</i> , 2019 , 365, 1017-1020	33.3	130
133	Optimizing hot carrier effects in Pt-decorated plasmonic heterostructures. <i>Faraday Discussions</i> , 2019 , 214, 387-397	3.6	12
132	Anisotropic Plasmonic CuS Nanocrystals as a Natural Electronic Material with Hyperbolic Optical Dispersion. <i>ACS Nano</i> , 2019 , 13, 6550-6560	16.7	13
131	Experimental demonstration of linear and spinning Janus dipoles for polarisation- and wavelength-selective near-field coupling. <i>Light: Science and Applications</i> , 2019 , 8, 52	16.7	24
130	Optical forces from near-field directionalities in planar structures. <i>Physical Review B</i> , 2019 , 99,	3.3	8
129	Theory of hot electrons: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 245-281	3.6	15
128	Dynamics of hot electron generation in metallic nanostructures: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 123-146	3.6	13
127	New materials for hot electron generation: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 365-386	3.6	4
126	Magneto-Optical Metamaterials: Nonreciprocal Transmission and Faraday Effect Enhancement. <i>Advanced Optical Materials</i> , 2019 , 7, 1801420	8.1	17
125	Deep-subwavelength features of photonic skyrmions in a confined electromagnetic field with orbital angular momentum. <i>Nature Physics</i> , 2019 , 15, 650-654	16.2	84
124	Nonlinear Nanoplasmonics. <i>Springer Series in Optical Sciences</i> , 2019 , 267-316	0.5	1

123	Polarization dependence of second harmonic generation from plasmonic nanoprism arrays. <i>Scientific Reports</i> , 2019 , 9, 11514	4.9	7
122	Singlet-Triplet Transition Rate Enhancement inside Hyperbolic Metamaterials. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900101	8.3	8
121	Designer photonic dynamics by using non-uniform electron temperature distribution for on-demand all-optical switching times. <i>Nature Communications</i> , 2019 , 10, 2967	17.4	21
120	Plasmonic Metamaterials for Nanochemistry and Sensing. <i>Accounts of Chemical Research</i> , 2019 , 52, 3018-3028	24.3	47
119	Spontaneous photon-pair generation from a dielectric nanoantenna. <i>Optica</i> , 2019 , 6, 1416	8.6	44
118	Amplitude and Phase Control of Guided Modes Excitation from a Single Dipole Source: Engineering Far- and Near-Field Directionality. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900250	8.3	9
117	Nanoparticle-based metasurfaces for angular independent spectral filtering applications. <i>Journal of Applied Physics</i> , 2019 , 126, 213101	2.5	3
116	Nanocone-based plasmonic metamaterials. <i>Nanotechnology</i> , 2019 , 30, 055301	3.4	7
115	Geometric-Phase Metasurfaces Based on Anisotropic Reflection: Generalized Design Rules. <i>ACS Photonics</i> , 2018 , 5, 1755-1761	6.3	14
114	Spin and Geometric Phase Control Four-Wave Mixing from Metasurfaces. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800034	8.3	24
113	Second-Harmonic Generation from Hyperbolic Plasmonic Nanorod Metamaterial Slab. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1700189	8.3	32
112	Repulsion of polarized particles from two-dimensional materials. <i>Physical Review B</i> , 2018 , 97,	3.3	14
111	Evidence of High-Order Nonlinearities in Supercontinuum White-Light Generation from a Gold Nanofilm. <i>ACS Photonics</i> , 2018 , 5, 1927-1932	6.3	13
110	Janus and Huygens Dipoles: Near-Field Directionality Beyond Spin-Momentum Locking. <i>Physical Review Letters</i> , 2018 , 120, 117402	7.4	73
109	Circular dichroism enhancement in plasmonic nanorod metamaterials. <i>Optics Express</i> , 2018 , 26, 17841-17848	3.9	20
108	Directional scattering from particles under evanescent wave illumination: the role of reactive power. <i>Optics Letters</i> , 2018 , 43, 3393-3396	3	11
107	All-optical switching in silicon photonic waveguides with an epsilon-near-zero resonant cavity [Invited]. <i>Photonics Research</i> , 2018 , 6, B1	6	14
106	Imaging Electric and Magnetic Modes and Their Hybridization in Single and Dimer AlGaAs Nanoantennas. <i>Advanced Optical Materials</i> , 2018 , 6, 1800664	8.1	7

105	Generalization of the optical theorem: experimental proof for radially polarized beams. <i>Light: Science and Applications</i> , 2018 , 7, 36	16.7	15
104	Special Issue on Recent Developments and Applications of Plasmonics. <i>ACS Photonics</i> , 2018 , 5, 2538-2546	3	2
103	Nonlinearity-Induced Multiplexed Optical Trapping and Manipulation with Femtosecond Vector Beams. <i>Nano Letters</i> , 2018 , 18, 5538-5543	11.5	50
102	Structural second-order nonlinearity in plasmonic metamaterials. <i>Optica</i> , 2018 , 5, 1502	8.6	10
101	Reactive tunnel junctions in electrically driven plasmonic nanorod metamaterials. <i>Nature Nanotechnology</i> , 2018 , 13, 159-164	28.7	69
100	Free-electron Optical Nonlinearities in Plasmonic Nanostructures: A Review of the Hydrodynamic Description. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1700082	8.3	48
99	Not every dipole is the same: the hidden patterns of dipolar near fields. <i>Europhysics News</i> , 2018 , 49, 14-18	2	4
98	Ultrafast Polarisation Control with Metamaterials 2018 ,		1
97	Interferometric Evanescent Wave Excitation of a Nanoantenna for Ultrasensitive Displacement and Phase Metrology. <i>Physical Review Letters</i> , 2018 , 121, 193901	7.4	23
96	Metaparticles: Dressing Nano-Objects with a Hyperbolic Coating. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800179	8.3	21
95	Faster Resonance Energy Transfer inside Hyperbolic Metamaterials. <i>ACS Photonics</i> , 2018 , 5, 4594-4603	6.3	16
94	Nonlinear Goniometry by Second-Harmonic Generation in AlGaAs Nanoantennas. <i>ACS Photonics</i> , 2018 , 5, 4386-4392	6.3	28
93	DNA-Assembled Plasmonic Waveguides for Nanoscale Light Propagation to a Fluorescent Nanodiamond. <i>Nano Letters</i> , 2018 , 18, 7323-7329	11.5	46
92	Spontaneous emission in non-local materials. <i>Light: Science and Applications</i> , 2017 , 6, e16273	16.7	61
91	Reflective Metasurfaces for Incoherent Light To Bring Computer Graphics Tricks to Optical Systems. <i>Nano Letters</i> , 2017 , 17, 4189-4193	11.5	7
90	Universal switching of plasmonic signals using optical resonator modes. <i>Light: Science and Applications</i> , 2017 , 6, e16237	16.7	15
89	Amplification of surface-enhanced Raman scattering due to substrate-mediated localized surface plasmons in gold nanodimers. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4075-4084	7.1	34
88	Lateral Casimir Force on a Rotating Particle near a Planar Surface. <i>Physical Review Letters</i> , 2017 , 118, 133605	7.4	44

87	Ultrafast synthesis and switching of light polarization in nonlinear anisotropic metamaterials. <i>Nature Photonics</i> , 2017 , 11, 628-633	33.9	153
86	Sum-frequency generation and photon-pair creation in AlGaAs nano-disks 2017 ,		1
85	Titanium Oxynitride Thin Films with Tunable Double Epsilon-Near-Zero Behavior for Nanophotonic Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29857-29862	9.5	65
84	Two-Dimensional Pulse Propagation without Anomalous Dispersion. <i>Physical Review Letters</i> , 2017 , 119, 114301	7.4	4
83	Self-Assembled Silver-Germanium Nanolayer Metamaterial with the Enhanced Nonlinear Response. <i>Advanced Optical Materials</i> , 2017 , 5, 1700753	8.1	15
82	Spontaneous Emission inside a Hyperbolic Metamaterial Waveguide. <i>ACS Photonics</i> , 2017 , 4, 2513-2521	6.3	33
81	Geometry Defines Ultrafast Hot-Carrier Dynamics and Kerr Nonlinearity in Plasmonic Metamaterial Waveguides and Cavities. <i>Advanced Optical Materials</i> , 2017 , 5, 1700299	8.1	22
80	Hydrodynamic Model for Coherent Nonlinear Plasmonics. <i>Springer Series in Optical Sciences</i> , 2017 , 235-259	5	
79	Unidirectional evanescent-wave coupling from circularly polarized electric and magnetic dipoles: An angular spectrum approach. <i>Physical Review B</i> , 2017 , 95,	3.3	37
78	Cathodoluminescence imaging spectroscopy of single and dimer AlGaAs nano-disks 2017 ,		1
77	Interscale mixing microscopy: far-field imaging beyond the diffraction limit. <i>Optica</i> , 2016 , 3, 803	8.6	7
76	Stereoscopic Nanoscale-Precision Growth of Free-Standing Silver Nanorods by Electron Beam Irradiation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20310-20314	3.8	7
75	Integrated plasmonic circuitry on a vertical-cavity surface-emitting semiconductor laser platform. <i>Nature Communications</i> , 2016 , 7, 12409	17.4	20
74	Nonlinear Dynamics of Ultrashort Long-Range Surface Plasmon Polariton Pulses in Gold Strip Waveguides. <i>ACS Photonics</i> , 2016 , 3, 2324-2329	6.3	19
73	Ultrafast Optical Modulation of Second- and Third-Harmonic Generation from Cut-Disk-Based Metasurfaces. <i>ACS Photonics</i> , 2016 , 3, 1517-1522	6.3	45
72	Repulsion of polarised particles from anisotropic materials with a near-zero permittivity component. <i>Light: Science and Applications</i> , 2016 , 5, e16022	16.7	19
71	Internal Structure Refinement of Porous Sintered Silver via Electromigration. <i>Additional Conferences (Device Packaging HiTEC HiTEN & CICMT)</i> , 2016 , 2016, 000190-000195	0.1	
70	Spectral variation of fluorescence lifetime near single metal nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 21349	4.9	30

69	Nonlocality-driven supercontinuum white light generation in plasmonic nanostructures. <i>Nature Communications</i> , 2016 , 7, 11497	17.4	56
68	Tunable Ultra-high Aspect Ratio Nanorod Architectures grown on Porous Substrate via Electromigration. <i>Scientific Reports</i> , 2016 , 6, 22272	4.9	13
67	Benchmarking System-Level Performance of Passive and Active Plasmonic Components: Integrated Circuit Approach. <i>Proceedings of the IEEE</i> , 2016 , 104, 2338-2348	14.3	13
66	Eliminating material constraints for nonlinearity with plasmonic metamaterials. <i>Nature Communications</i> , 2015 , 6, 7757	17.4	94
65	Applications of plasmonics: general discussion. <i>Faraday Discussions</i> , 2015 , 178, 435-66	3.6	11
64	Scattering suppression from arbitrary objects in spatially dispersive layered metamaterials. <i>Physical Review B</i> , 2015 , 91,	3.3	35
63	Tuning the effective plasma frequency of nanorod metamaterials from visible to telecom wavelengths. <i>Applied Physics Letters</i> , 2015 , 107, 121110	3.4	29
62	Lateral forces on circularly polarizable particles near a surface. <i>Nature Communications</i> , 2015 , 6, 8799	17.4	114
61	Spin-orbit interactions of light. <i>Nature Photonics</i> , 2015 , 9, 796-808	33.9	1011
60	Nonperturbative Hydrodynamic Model for Multiple Harmonics Generation in Metallic Nanostructures. <i>ACS Photonics</i> , 2015 , 2, 8-13	6.3	62
59	Light emission in nonlocal plasmonic metamaterials. <i>Faraday Discussions</i> , 2015 , 178, 61-70	3.6	21
58	Superluminal and stopped light due to mode coupling in confined hyperbolic metamaterial waveguides. <i>Scientific Reports</i> , 2015 , 5, 17678	4.9	20
57	Hyperbolic polaritonic crystals based on nanostructured nanorod metamaterials. <i>Advanced Materials</i> , 2015 , 27, 5974-80	24	20
56	Purcell effect in hyperbolic metamaterial resonators. <i>Physical Review B</i> , 2015 , 92,	3.3	54
55	Plasmonic Crystals: Controlling Light With Periodically Structured Metal Films 2015 , 107-167		0
54	Hyperbolic metamaterial antenna for second-harmonic generation tomography. <i>Optics Express</i> , 2015 , 23, 30730-8	3.3	39
53	Active Nanophotonic Circuitry Based on Dielectric-loaded Plasmonic Waveguides. <i>Advanced Optical Materials</i> , 2015 , 3, 1662-1690	8.1	37
52	Optimizing strontium ruthenate thin films for near-infrared plasmonic applications. <i>Scientific Reports</i> , 2015 , 5, 9118	4.9	16

51	Refractive index sensing with hyperbolic metamaterials: strategies for biosensing and nonlinearity enhancement. <i>Optics Express</i> , 2015 , 23, 14329-43	3.3	60
50	Bulk plasmon-polaritons in hyperbolic nanorod metamaterial waveguides. <i>Laser and Photonics Reviews</i> , 2015 , 9, 345-353	8.3	86
49	Electromigration Phenomena in Sintered Nanoparticle Ag Systems Under High Current Density. <i>Additional Conferences (Device Packaging HiTEC HiTEN & CICMT)</i> , 2015 , 2015, 000059-000063	0.1	
48	Photonic spin Hall effect in hyperbolic metamaterials for polarization-controlled routing of subwavelength modes. <i>Nature Communications</i> , 2014 , 5, 3226	17.4	180
47	Nano-opto-mechanical effects in plasmonic waveguides. <i>Laser and Photonics Reviews</i> , 2014 , 8, 131-136	8.3	34
46	Spin-orbit coupling in surface plasmon scattering by nanostructures. <i>Nature Communications</i> , 2014 , 5, 5327	17.4	192
45	The room temperature phosphine-free synthesis of near-infrared emitting HgSe quantum dots. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2107-2111	7.1	12
44	Near-field hyperspectral optical imaging. <i>ChemPhysChem</i> , 2014 , 15, 619-29	3.2	8
43	Compact Optical Antenna Coupler for Silicon Photonics Characterized by Third-Harmonic Generation. <i>ACS Photonics</i> , 2014 , 1, 912-916	6.3	21
42	Looking into meta-atoms of plasmonic nanowire metamaterial. <i>Nano Letters</i> , 2014 , 14, 4971-6	11.5	44
41	Nonlocal optics of plasmonic nanowire metamaterials. <i>Physical Review B</i> , 2014 , 89,	3.3	56
40	Shaping plasmon beams via the controlled illumination of finite-size plasmonic crystals. <i>Scientific Reports</i> , 2014 , 4, 7234	4.9	8
39	Ultrafast all-optical modulation with hyperbolic metamaterial integrated in Si photonic circuitry. <i>Optics Express</i> , 2014 , 22, 10987-94	3.3	49
38	Hydrogen detected by the naked eye: optical hydrogen gas sensors based on core/shell plasmonic nanorod metamaterials. <i>Advanced Materials</i> , 2014 , 26, 3532-7	24	81
37	Impact of nonradiative line broadening on emission in photonic and plasmonic cavities. <i>Physical Review A</i> , 2014 , 90,	2.6	7
36	Manipulating polarization of light with ultrathin epsilon-near-zero metamaterials. <i>Optics Express</i> , 2013 , 21, 14907-17	3.3	87
35	Ultrasensitive non-resonant detection of ultrasound with plasmonic metamaterials. <i>Advanced Materials</i> , 2013 , 25, 2351-6	24	39
34	Fabrication and optical properties of large-scale arrays of gold nanocavities based on rod-in-a-tube coaxials. <i>Applied Physics Letters</i> , 2013 , 102, 103103	3.4	24

33	Plasmonic enhancement of nonlinear magneto-optical response in nickel nanorod metamaterials. <i>Physical Review B</i> , 2013 , 87,	3.3	41
32	Near-field interference for the unidirectional excitation of electromagnetic guided modes. <i>Science</i> , 2013 , 340, 328-30	33.3	428
31	Plasmonic Nanorod Metamaterials as a Platform for Active Nanophotonics 2013 , 69-104		1
30	Optical hydrogen sensors based on Au/Pd core shell nanorod arrays 2013 ,		1
29	Nonlinear plasmonics. <i>Nature Photonics</i> , 2012 , 6, 737-748	33.9	1751
28	Tailoring and enhancing spontaneous two-photon emission using resonant plasmonic nanostructures. <i>Physical Review A</i> , 2012 , 86,	2.6	27
27	Microscopic model of Purcell enhancement in hyperbolic metamaterials. <i>Physical Review B</i> , 2012 , 86,	3.3	78
26	Nonlinearly coupled localized plasmon resonances: Resonant second-harmonic generation. <i>Physical Review B</i> , 2012 , 86,	3.3	61
25	Surface plasmon polariton amplification upon electrical injection in highly integrated plasmonic circuits. <i>Nano Letters</i> , 2012 , 12, 2459-63	11.5	72
24	Low-temperature plasmonics of metallic nanostructures. <i>Nano Letters</i> , 2012 , 12, 1561-5	11.5	85
23	Broadband and broadangle SPP antennas based on plasmonic crystals with linear chirp. <i>Scientific Reports</i> , 2012 , 2, 829	4.9	44
22	Four-level polarization discriminator based on a surface plasmon polaritonic crystal. <i>Applied Physics Letters</i> , 2011 , 98, 111109	3.4	16
21	Designed ultrafast optical nonlinearity in a plasmonic nanorod metamaterial enhanced by nonlocality. <i>Nature Nanotechnology</i> , 2011 , 6, 107-11	28.7	357
20	The controlled fabrication and geometry tunable optics of gold nanotube arrays. <i>Nanotechnology</i> , 2011 , 22, 045705	3.4	26
19	Low-loss multilayered metamaterial exhibiting a negative index of refraction at visible wavelengths. <i>Physical Review Letters</i> , 2011 , 106, 067402	7.4	136
18	All-plasmonic modulation via stimulated emission of copropagating surface plasmon polaritons on a substrate with gain. <i>Nano Letters</i> , 2011 , 11, 2231-5	11.5	69
17	Experimental demonstration of dielectric-loaded plasmonic waveguide disk resonators at telecom wavelengths. <i>Applied Physics Letters</i> , 2011 , 98, 161102	3.4	27
16	Light extraction beyond total internal reflection using one-dimensional plasmonic crystals. <i>Applied Physics Letters</i> , 2011 , 99, 081106	3.4	7

15	High-performance biosensing using arrays of plasmonic nanotubes. <i>ACS Nano</i> , 2010 , 4, 2210-6	16.7	126
14	Hyperspectral imaging with scanning near-field optical microscopy: applications in plasmonics. <i>Optics Express</i> , 2010 , 18, 16513-9	3.3	41
13	Plasmonic waveguide as an efficient transducer for high-density data storage. <i>Applied Physics Letters</i> , 2009 , 95, 171112	3.4	24
12	Plasmonic nanorod metamaterials for biosensing. <i>Nature Materials</i> , 2009 , 8, 867-71	27	1272
11	Optical nonlocalities and additional waves in epsilon-near-zero metamaterials. <i>Physical Review Letters</i> , 2009 , 102, 127405	7.4	201
10	Guided plasmonic modes in nanorod assemblies: strong electromagnetic coupling regime. <i>Optics Express</i> , 2008 , 16, 7460-70	3.3	100
9	Fabrication and optical properties of gold nanotube arrays. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 362203	1.8	38
8	Three-dimensional numerical modeling of photonic integration with dielectric-loaded SPP waveguides. <i>Physical Review B</i> , 2008 , 78,	3.3	98
7	Plasmonic Core/Shell Nanorod Arrays: Subattoliter Controlled Geometry and Tunable Optical Properties. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12522-12527	3.8	49
6	Anisotropic optical properties of arrays of gold nanorods embedded in alumina. <i>Physical Review B</i> , 2006 , 73,	3.3	123
5	Growth and properties of gold and nickel nanorods in thin film alumina. <i>Nanotechnology</i> , 2006 , 17, 5746-5753	5.4	119
4	Nano-optics of surface plasmon polaritons. <i>Physics Reports</i> , 2005 , 408, 131-314	27.7	1666
3	Near-field photonics: surface plasmon polaritons and localized surface plasmons. <i>Journal of Optics</i> , 2003 , 5, S16-S50		406
2	Near-field second harmonic generation from a rough metal surface. <i>Physical Review B</i> , 1997 , 56, 9290-9293	3.3	95
1	Near-field microscopy of surface-plasmon polaritons: Localization and internal interface imaging. <i>Physical Review B</i> , 1995 , 51, 17916-17924	3.3	90