

Zhi-Yuan Li

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347
papers

22,695
citations

69
h-index

145
g-index

379
ext. papers

24,627
ext. citations

4.8
avg, IF

6.93
L-index

#	Paper	IF	Citations
347	Gold nanostructures: engineering their plasmonic properties for biomedical applications. <i>Chemical Society Reviews</i> , 2006 , 35, 1084-94	58.5	1437
346	Immuno gold nanocages with tailored optical properties for targeted photothermal destruction of cancer cells. <i>Nano Letters</i> , 2007 , 7, 1318-22	11.5	911
345	Gold nanocages: bioconjugation and their potential use as optical imaging contrast agents. <i>Nano Letters</i> , 2005 , 5, 473-7	11.5	863
344	Maneuvering the surface plasmon resonance of silver nanostructures through shape-controlled synthesis. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 15666-75	3.4	814
343	Kinetically controlled synthesis of triangular and hexagonal nanoplates of palladium and their SPR/SERS properties. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17118-27	16.4	590
342	The growth mechanism of copper nanowires and their properties in flexible, transparent conducting films. <i>Advanced Materials</i> , 2010 , 22, 3558-63	24	563
341	Synthesis and optical properties of silver nanobars and nanorice. <i>Nano Letters</i> , 2007 , 7, 1032-6	11.5	545
340	Poly(vinyl pyrrolidone): a dual functional reductant and stabilizer for the facile synthesis of noble metal nanoplates in aqueous solutions. <i>Langmuir</i> , 2006 , 22, 8563-70	4	535
339	Synthesis and Self-Assembly of [email[protected]] ₂ CoreShell Colloids. <i>Nano Letters</i> , 2002 , 2, 785-788	11.5	513
338	Comparison study of gold nanohexapods, nanorods, and nanocages for photothermal cancer treatment. <i>ACS Nano</i> , 2013 , 7, 2068-77	16.7	492
337	Optical properties of Pd-Ag and Pt-Ag nanoboxes synthesized via galvanic replacement reactions. <i>Nano Letters</i> , 2005 , 5, 2058-62	11.5	475
336	Synthesis and characterization of stable aqueous dispersions of silver nanoparticles through the Tollens process. <i>Journal of Materials Chemistry</i> , 2002 , 12, 522-527		403
335	Facile synthesis of gold-silver nanocages with controllable pores on the surface. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14776-7	16.4	389
334	Synthesis and optical properties of nanorattles and multiple-walled nanoshells/nanotubes made of metal alloys. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9399-406	16.4	384
333	Size-dependence of surface plasmon resonance and oxidation for Pd nanocubes synthesized via a seed etching process. <i>Nano Letters</i> , 2005 , 5, 1237-42	11.5	368
332	Photoacoustic tomography of a rat cerebral cortex in vivo with au nanocages as an optical contrast agent. <i>Nano Letters</i> , 2007 , 7, 3798-802	11.5	366
331	Controlling the shapes of silver nanocrystals with different capping agents. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8552-3	16.4	364

330	The effect of nanowire length and diameter on the properties of transparent, conducting nanowire films. <i>Nanoscale</i> , 2012 , 4, 1996-2004	7.7	349
329	Fabrication of cubic nanocages and nanoframes by dealloying Au/Ag alloy nanoboxes with an aqueous etchant based on Fe(NO ₃) ₃ or NH ₄ OH. <i>Nano Letters</i> , 2007 , 7, 1764-9	11.5	341
328	Right bipyramids of silver: a new shape derived from single twinned seeds. <i>Nano Letters</i> , 2006 , 6, 765-8	11.5	331
327	Mechanistic studies on the galvanic replacement reaction between multiply twinned particles of Ag and H ₂ AuCl ₄ in an organic medium. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1733-42	16.4	313
326	The SERS activity of a supported Ag nanocube strongly depends on its orientation relative to laser polarization. <i>Nano Letters</i> , 2007 , 7, 1013-7	11.5	300
325	Corrosion-based synthesis of single-crystal Pd nanoboxes and nanocages and their surface plasmon properties. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7913-7	16.4	294
324	A quantitative study on the photothermal effect of immuno gold nanocages targeted to breast cancer cells. <i>ACS Nano</i> , 2008 , 2, 1645-52	16.7	282
323	Photonic band structures solved by a plane-wave-based transfer-matrix method. <i>Physical Review E</i> , 2003 , 67, 046607	2.4	251
322	Shape-Controlled Synthesis of Silver and Gold Nanostructures. <i>MRS Bulletin</i> , 2005 , 30, 356-361	3.2	245
321	Synthesis of Pd-Au bimetallic nanocrystals via controlled overgrowth. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2506-7	16.4	233
320	Generation of hot spots with silver nanocubes for single-molecule detection by surface-enhanced Raman scattering. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5473-7	16.4	217
319	Seed-Mediated Growth of Nearly Monodisperse Palladium Nanocubes with Controllable Sizes. <i>Crystal Growth and Design</i> , 2008 , 8, 4440-4444	3.5	214
318	Optical near-field mapping of plasmonic nanoprisms. <i>Nano Letters</i> , 2008 , 8, 3357-63	11.5	212
317	Controlling the nucleation and growth of silver on palladium nanocubes by manipulating the reaction kinetics. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2354-8	16.4	193
316	Gold nanocages as contrast agents for spectroscopic optical coherence tomography. <i>Optics Letters</i> , 2005 , 30, 3048-50	3	187
315	Large Absolute Band Gap in 2D Anisotropic Photonic Crystals. <i>Physical Review Letters</i> , 1998 , 81, 2574-2577	7.4	184
314	Creation of partial band gaps in anisotropic photonic-band-gap structures. <i>Physical Review B</i> , 1998 , 58, 3721-3729	3.3	184
313	Plasmon-enhanced light-matter interactions and applications. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	176

312	Metal nanoparticles with gain toward single-molecule detection by surface-enhanced Raman scattering. <i>Nano Letters</i> , 2010 , 10, 243-9	11.5	175
311	Facile Synthesis of Sub-20 nm Silver Nanowires through a Bromide-Mediated Polyol Method. <i>ACS Nano</i> , 2016 , 10, 7892-900	16.7	173
310	Fragility of photonic band gaps in inverse-opal photonic crystals. <i>Physical Review B</i> , 2000 , 62, 1516-1519	3.3	164
309	Quantitative Analysis of Dipole and Quadrupole Excitation in the Surface Plasmon Resonance of Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 20233-20240	3.8	153
308	On-chip optical diode based on silicon photonic crystal heterojunctions. <i>Optics Express</i> , 2011 , 19, 26948-55	3.3	142
307	Evaluation of lensing in photonic crystal slabs exhibiting negative refraction. <i>Physical Review B</i> , 2003 , 68,	3.3	133
306	Nano-kirigami with giant optical chirality. <i>Science Advances</i> , 2018 , 4, eaat4436	14.3	131
305	Synthesis, stability, and surface plasmonic properties of rhodium multipods, and their use as substrates for surface-enhanced Raman scattering. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1288-92	16.4	131
304	Preparation and study of polyacryamide-stabilized silver nanoparticles through a one-pot process. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11224-31	3.4	130
303	Synthesis and Optical Properties of Cubic Gold Nanoframes. <i>Nano Research</i> , 2008 , 1, 441-449	10	128
302	Surface-enhanced Raman scattering: comparison of three different molecules on single-crystal nanocubes and nanospheres of silver. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 3932-9	2.8	119
301	All-optical logic gates based on two-dimensional low-refractive-index nonlinear photonic crystal slabs. <i>Optics Express</i> , 2011 , 19, 1945-53	3.3	115
300	Unraveling Surface Plasmon Decay in Core-Shell Nanostructures toward Broadband Light-Driven Catalytic Organic Synthesis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6822-8	16.4	111
299	Spontaneous emission from photonic crystals: full vectorial calculations. <i>Physical Review Letters</i> , 2000 , 84, 4341-4	7.4	107
298	Controlled fabrication of silver nanoneedles array for SERS and their application in rapid detection of narcotics. <i>Nanoscale</i> , 2012 , 4, 2663-9	7.7	105
297	Simultaneous Excitation and Emission Enhancement of Fluorescence Assisted by Double Plasmon Modes of Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10636-10642	3.8	100
296	Optical trapping of gold nanoparticles by cylindrical vector beam. <i>Optics Letters</i> , 2012 , 37, 1694-6	3	94
295	Negative Refraction and Imaging Using 12-fold-Symmetry Quasicrystals. <i>Physical Review Letters</i> , 2005 , 94,	7.4	93

294	Metal-Enhanced Near-Infrared Fluorescence by Micropatterned Gold Nanocages. <i>ACS Nano</i> , 2015 , 9, 10047-54	16.7	88
293	Visible-near infrared ultra-broadband polarization-independent metamaterial perfect absorber involving phase-change materials. <i>Photonics Research</i> , 2016 , 4, 146	6	85
292	Cu-Doped PdCu@Au Tripods: A Multifunctional Nanomaterial for Positron Emission Tomography and Image-Guided Photothermal Cancer Treatment. <i>ACS Nano</i> , 2016 , 10, 3121-31	16.7	85
291	Linear and passive silicon optical isolator. <i>Scientific Reports</i> , 2012 , 2, 674	4.9	85
290	Controlled Etching as a Route to High Quality Silver Nanospheres for Optical Studies. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16975-16982	3.8	84
289	Optical Origin of Subnanometer Resolution in Tip-Enhanced Raman Mapping. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 11858-11871	3.8	83
288	Monodispersed spherical colloids of Se@CdSe: synthesis and use as building blocks in fabricating photonic crystals. <i>Nano Letters</i> , 2005 , 5, 937-42	11.5	81
287	Colloidal Crystals Made of Polystyrene Spheroids: Fabrication and Structural/Optical Characterization. <i>Langmuir</i> , 2002 , 18, 7722-7727	4	81
286	Efficient coupling of solar energy to catalytic hydrogenation by using well-designed palladium nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2425-30	16.4	78
285	Robust one-way modes in gyromagnetic photonic crystal waveguides with different interfaces. <i>Applied Physics Letters</i> , 2010 , 97, 041112	3.4	78
284	Template-Directed Growth of (100)-Oriented Colloidal Crystals. <i>Langmuir</i> , 2003 , 19, 622-631	4	78
283	Optical properties of Au-Ag nanoboxes studied by single nanoparticle spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19923-8	3.4	77
282	Facile Synthesis of Ag Nanorods with No Plasmon Resonance Peak in the Visible Region by Using Pd Decahedra of 16 nm in Size as Seeds. <i>ACS Nano</i> , 2015 , 9, 10523-32	16.7	74
281	Efficient surface plasmon amplification from gain-assisted gold nanorods. <i>Optics Letters</i> , 2011 , 36, 1296-8	3	74
280	Light propagation in semi-infinite photonic crystals and related waveguide structures. <i>Physical Review B</i> , 2003 , 68,	3.3	73
279	High surface-enhanced Raman scattering performance of individual gold nanoflowers and their application in live cell imaging. <i>Small</i> , 2013 , 9, 927-32	11	71
278	Surface Plasmon Resonance in Bimetallic Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16836-16845	3.8	69
277	Analytical model for optical bistability in nonlinear metal nano-antennae involving Kerr materials. <i>Optics Express</i> , 2010 , 18, 13337-44	3.3	69

276	Etching and growth: an intertwined pathway to silver nanocrystals with exotic shapes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4824-7	16.4	68
275	Lattice symmetry applied in transfer-matrix methods for photonic crystals. <i>Journal of Applied Physics</i> , 2003 , 94, 811-821	2.5	68
274	10 fs ultrafast all-optical switching in polystyrene nonlinear photonic crystals. <i>Applied Physics Letters</i> , 2009 , 95, 131116	3.4	65
273	Experimental realization of Bloch oscillations in a parity-time synthetic silicon photonic lattice. <i>Nature Communications</i> , 2016 , 7, 11319	17.4	64
272	Investigation of size-dependent plasmonic and catalytic properties of metallic nanocrystals enabled by size control with HCl oxidative etching. <i>Small</i> , 2012 , 8, 1710-6	11	63
271	Large absolute photonic band gaps created by rotating noncircular rods in two-dimensional lattices. <i>Physical Review B</i> , 1999 , 60, 11417-11421	3.3	63
270	Highly enantioselective zinc/amino alcohol-catalyzed alkynylation of aldehydes. <i>Chemistry - A European Journal</i> , 2009 , 15, 3069-71	4.8	61
269	Kirigami/origami: unfolding the new regime of advanced 3D microfabrication/nanofabrication with "folding". <i>Light: Science and Applications</i> , 2020 , 9, 75	16.7	58
268	Corrosion-Based Synthesis of Single-Crystal Pd Nanoboxes and Nanocages and Their Surface Plasmon Properties. <i>Angewandte Chemie</i> , 2005 , 117, 8127-8131	3.6	58
267	Seed-mediated synthesis of single-crystal gold nanospheres with controlled diameters in the range 5-30 nm and their self-assembly upon dilution. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 792-9	4.5	56
266	Anisotropic and enhanced absorptive nonlinearities in a macroscopic film induced by aligned gold nanorods. <i>Applied Physics Letters</i> , 2010 , 96, 263103	3.4	55
265	Second harmonic generation in one-dimensional nonlinear photonic crystals solved by the transfer matrix method. <i>Physical Review E</i> , 2007 , 75, 056606	2.4	54
264	The role of etching in the formation of Ag nanoplates with straight, curved and wavy edges and comparison of their SERS properties. <i>Small</i> , 2014 , 10, 1430-7	11	53
263	All-Optical Modulation of a Graphene-Cladded Silicon Photonic Crystal Cavity. <i>ACS Photonics</i> , 2015 , 2, 1513-1518	6.3	52
262	Unidirectional channel-drop filter by one-way gyromagnetic photonic crystal waveguides. <i>Applied Physics Letters</i> , 2011 , 98, 211104	3.4	52
261	Solar energy conversion with tunable plasmonic nanostructures for thermoelectric devices. <i>Nanoscale</i> , 2012 , 4, 4416-20	7.7	50
260	Wavefront shaping of infrared light through a subwavelength hole. <i>Light: Science and Applications</i> , 2012 , 1, e26-e26	16.7	50
259	Application of structural symmetries in the plane-wave-based transfer-matrix method for three-dimensional photonic crystal waveguides. <i>Physical Review B</i> , 2003 , 68,	3.3	50

258	Transfer behavior of quantum states between atoms in photonic crystal coupled cavities. <i>Physical Review A</i> , 2010 , 81,	2.6	49
257	Generation of Hot Spots with Silver Nanocubes for Single-Molecule Detection by Surface-Enhanced Raman Scattering. <i>Angewandte Chemie</i> , 2011 , 123, 5587-5591	3.6	48
256	Integration of Kinetic Control and Lattice Mismatch To Synthesize Pd@AuCu Core-Shell Planar Tetrapods with Size-Dependent Optical Properties. <i>Nano Letters</i> , 2016 , 16, 3036-41	11.5	47
255	Full vectorial model for quantum optics in three-dimensional photonic crystals. <i>Physical Review A</i> , 2001 , 63,	2.6	46
254	Fano resonance Rabi splitting of surface plasmons. <i>Scientific Reports</i> , 2017 , 7, 8010	4.9	43
253	Origin of shape resonance in second-harmonic generation from metallic nanohole arrays. <i>Scientific Reports</i> , 2013 , 3, 2358	4.9	42
252	Photonic band gap effect in layer-by-layer metallic photonic crystals. <i>Journal of Applied Physics</i> , 2003 , 93, 38-42	2.5	41
251	High-Efficiency Broadband High-Harmonic Generation from a Single Quasi-Phase-Matching Nonlinear Crystal. <i>Physical Review Letters</i> , 2015 , 115, 083902	7.4	40
250	Simultaneous broadband generation of second and third harmonics from chirped nonlinear photonic crystals. <i>Light: Science and Applications</i> , 2014 , 3, e189-e189	16.7	40
249	Analytic modal solution to transmission and collimation of light by one-dimensional nanostructured subwavelength metallic slits. <i>Journal of Applied Physics</i> , 2009 , 105, 013104	2.5	40
248	Synthesis, Stability, and Surface Plasmonic Properties of Rhodium Multipods, and Their Use as Substrates for Surface-Enhanced Raman Scattering. <i>Angewandte Chemie</i> , 2006 , 118, 1310-1314	3.6	40
247	Colloidal building blocks with potential for magnetically configurable photonic crystals. <i>Soft Matter</i> , 2007 , 3, 1215-1222	3.6	38
246	Epitaxial growth of SrTiO ₃ on SrTiO ₃ (001) using an oblique-incidence reflectance-difference technique. <i>Physical Review B</i> , 1998 , 57, 2514-2519	3.3	38
245	Human ACE2-Functionalized Gold "Virus-Trap" Nanostructures for Accurate Capture of SARS-CoV-2 and Single-Virus SERS Detection. <i>Nano-Micro Letters</i> , 2021 , 13, 109	19.5	38
244	Robust and disorder-immune magnetically tunable one-way waveguides in a gyromagnetic photonic crystal. <i>Physical Review B</i> , 2012 , 85,	3.3	36
243	Waveguides in three-dimensional layer-by-layer photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003 , 20, 801	1.7	36
242	Weak photonic band gap effect on the fluorescence lifetime in three-dimensional colloidal photonic crystals. <i>Physical Review B</i> , 2001 , 63,	3.3	36
241	Disordered photonic crystals understood by a perturbation formalism. <i>Physical Review B</i> , 2000 , 61, 15738-15746	3.3	36

240	3D conductive coupling for efficient generation of prominent Fano resonances in metamaterials. <i>Scientific Reports</i> , 2016 , 6, 27817	4.9	35
239	Full Band Gap in Fcc and Bcc Photonic Band Gaps Structure: NonSpherical Atom. <i>Journal of the Physical Society of Japan</i> , 1998 , 67, 3288-3291	1.5	35
238	Roadmap for single-molecule surface-enhanced Raman spectroscopy. <i>Advanced Photonics</i> , 2020 , 2, 1	8.1	35
237	Microscopic and macroscopic manipulation of gold nanorod and its hybrid nanostructures [Invited]. <i>Photonics Research</i> , 2013 , 1, 28	6	34
236	Interface states in photonic crystal heterostructures. <i>Physical Review B</i> , 2001 , 63,	3.3	34
235	Graphene surface plasmon polaritons transport on curved substrates. <i>Photonics Research</i> , 2015 , 3, 300	6	33
234	Mesoscopic and Microscopic Strategies for Engineering Plasmon-Enhanced Raman Scattering. <i>Advanced Optical Materials</i> , 2018 , 6, 1701097	8.1	33
233	All-analytical semiclassical theory of spaser performance in a plasmonic nanocavity. <i>Physical Review B</i> , 2013 , 88,	3.3	32
232	Highly enantioselective addition of trimethylsilylacetylene to aldehydes catalyzed by a zinc-amino-alcohol complex. <i>Chemistry - A European Journal</i> , 2011 , 17, 5782-6	4.8	32
231	Aligned gold nanoneedle arrays for surface-enhanced Raman scattering. <i>Nanotechnology</i> , 2010 , 21, 325704	5.1	32
230	Direct method to control surface plasmon polaritons on metal surfaces. <i>Optics Letters</i> , 2014 , 39, 339-42	3	30
229	A Negative Thermal Expansion Material of ZrMgMo ₃ O ₁₂ . <i>Chinese Physics Letters</i> , 2013 , 30, 126502	1.8	30
228	Ultrafast and low-power photonic crystal all-optical switching with resonant cavities. <i>Journal of Applied Physics</i> , 2009 , 106, 083102	2.5	30
227	Engineering waveguide-cavity resonant side coupling in a dynamically tunable ultracompact photonic crystal filter. <i>Physical Review B</i> , 2005 , 72,	3.3	29
226	Polystyrene Kerr nonlinear photonic crystals for building ultrafast optical switching and logic devices. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 783-800	7.1	28
225	Au@Pd core-shell nanocubes with finely-controlled sizes. <i>CrystEngComm</i> , 2013 , 15, 3385	3.3	28
224	Seed-mediated synthesis of gold octahedra in high purity and with well-controlled sizes and optical properties. <i>Chemistry - A European Journal</i> , 2011 , 17, 4759-64	4.8	28
223	Influence of hole geometry and lattice constant on extraordinary optical transmission through subwavelength hole arrays in metal films. <i>Journal of Applied Physics</i> , 2010 , 107, 073101	2.5	28

222	Manipulation of gold nanorods with dual-optical tweezers for surface plasmon resonance control. <i>Nanotechnology</i> , 2012 , 23, 215302	3.4	27
221	Imaging properties of an elliptical-rod photonic-crystal slab lens. <i>Physical Review B</i> , 2005 , 72,	3.3	27
220	Optical forces on arbitrary shaped particles in optical tweezers. <i>Journal of Applied Physics</i> , 2010 , 108, 073110	2.5	26
219	Observing the Overgrowth of a Second Metal on Silver Cubic Seeds in Solution by Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2017 , 11, 5080-5086	16.7	25
218	Exact iterative solution of second harmonic generation in quasi-phase-matched structures. <i>Optics Express</i> , 2010 , 18, 7288-99	3.3	25
217	Fabrication of semiconductor-polymer compound nonlinear photonic crystal slab with highly uniform infiltration based on nano-imprint lithography technique. <i>Optics Express</i> , 2012 , 20, 13091-9	3.3	25
216	Waveguide networks in three-dimensional layer-by-layer photonic crystals. <i>Applied Physics Letters</i> , 2004 , 84, 4605-4607	3.4	25
215	Analytic modal solution to light propagation through layer-by-layer metallic photonic crystals. <i>Physical Review B</i> , 2003 , 67,	3.3	25
214	Surface wave holography on designing subwavelength metallic structures. <i>Optics Express</i> , 2011 , 19, 23908-20	3.3	24
213	Enhanced light absorption of TiO ₂ in the near-ultraviolet band by Au nanoparticles. <i>Optics Letters</i> , 2010 , 35, 3402-4	3	24
212	Anomalous propagation loss in photonic crystal waveguides. <i>Physical Review Letters</i> , 2004 , 92, 063904	7.4	24
211	Principles of the plane-wave transfer-matrix method for photonic crystals. <i>Science and Technology of Advanced Materials</i> , 2005 , 6, 837-841	7.1	24
210	Optimization of elastomeric phase masks for near-field photolithography. <i>Applied Physics Letters</i> , 2001 , 78, 2431-2433	3.4	24
209	Modified thermal radiation in three-dimensional photonic crystals. <i>Physical Review B</i> , 2002 , 66,	3.3	24
208	Enhanced nonlinear frequency conversion in defective nonlinear photonic crystals with designed polarization distribution. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, 1551	1.7	23
207	Three-dimensional light focusing in inverse opal photonic crystals. <i>Physical Review B</i> , 2007 , 75,	3.3	23
206	Experimental demonstration of tunable gyromagnetic photonic crystals controlled by dc magnetic fields. <i>Europhysics Letters</i> , 2010 , 89, 64003	1.6	22
205	Photonic bandgap of gradient quasicrystal lattice photonic crystal. <i>Applied Physics Letters</i> , 2008 , 92, 231103	3.4	22

204	Enhanced near-infrared transmission through periodic H-shaped arrays. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 365, 510-513	2.3	22
203	Optical forces exerted on a graphene-coated dielectric particle by a focused Gaussian beam. <i>Photonics Research</i> , 2016 , 4, 65	6	22
202	Direct laser writing of symmetry-broken spiral tapers for polarization-insensitive three-dimensional plasmonic focusing. <i>Laser and Photonics Reviews</i> , 2014 , 8, 602-609	8.3	21
201	Nanophotonics in China: Overviews and highlights. <i>Frontiers of Physics</i> , 2012 , 7, 601-631	3.7	21
200	Controlling the Nucleation and Growth of Silver on Palladium Nanocubes by Manipulating the Reaction Kinetics. <i>Angewandte Chemie</i> , 2012 , 124, 2404-2408	3.6	21
199	Direct observation of amplified spontaneous emission of surface plasmon polaritons at metal/dielectric interfaces. <i>Applied Physics Letters</i> , 2011 , 98, 261912	3.4	21
198	Experimental demonstration of non-near-field image formed by negative refraction. <i>Physical Review B</i> , 2006 , 73,	3.3	21
197	Light coupling with multimode photonic crystal waveguides. <i>Applied Physics Letters</i> , 2004 , 84, 4699-4701	3.4	21
196	An Optically-Triggered Switchable Mid-Infrared Perfect Absorber Based on Phase-Change Material of Vanadium Dioxide. <i>Plasmonics</i> , 2018 , 13, 1393-1402	2.4	21
195	Giant enhancement of second harmonic generation by engineering double plasmonic resonances at nanoscale. <i>Optics Express</i> , 2014 , 22, 28653-61	3.3	20
194	Giant enhancement of second harmonic generation in nonlinear photonic crystals with distributed Bragg reflector mirrors. <i>Optics Express</i> , 2009 , 17, 14502-10	3.3	20
193	Omnidirectional absolute band gaps in two-dimensional photonic crystals. <i>Physical Review B</i> , 2001 , 64,	3.3	20
192	Efficient Coupling of Solar Energy to Catalytic Hydrogenation by Using Well-Designed Palladium Nanostructures. <i>Angewandte Chemie</i> , 2015 , 127, 2455-2460	3.6	19
191	Nonlinear frequency conversion in two-dimensional nonlinear photonic crystals solved by a plane-wave-based transfer-matrix method. <i>Physical Review B</i> , 2008 , 77,	3.3	19
190	Improvement of absolute band gaps in 2D photonic crystals by anisotropy in dielectricity. <i>European Physical Journal B</i> , 1999 , 11, 65	1.2	19
189	Multichannel filters via EM and EK waveguide coupling in two-dimensional triangular-lattice photonic crystal slabs. <i>Applied Physics Letters</i> , 2008 , 93, 241107	3.4	18
188	Multichannel filters with shape designing in two-dimensional photonic crystal slabs. <i>Journal of Applied Physics</i> , 2007 , 102, 043102	2.5	18
187	Optical photonic band gaps and the Lamb shift. <i>Physical Review B</i> , 2001 , 63,	3.3	18

186	Strong coupling of topological edge states enabling group-dispersionless slow light in magneto-optical photonic crystals. <i>Physical Review B</i> , 2019 , 99,	3.3	18
185	Invited Article: Nano-kirigami metasurfaces by focused-ion-beam induced close-loop transformation. <i>APL Photonics</i> , 2018 , 3, 100803	5.2	18
184	Retroreflective-type Janus microspheres as a novel contrast agent for enhanced optical coherence tomography. <i>Journal of Biophotonics</i> , 2017 , 10, 878-886	3.1	17
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