Zhi-Yuan Li

List of Publications by Year
in descending order

371	26,215	8732	6818
papers	citations	75 h-index	155 g-index

379	379	379	25300
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gold nanostructures: engineering their plasmonic properties for biomedical applications. Chemical Society Reviews, 2006, 35, 1084.	18.7	1,595
2	Immuno Gold Nanocages with Tailored Optical Properties for Targeted Photothermal Destruction of Cancer Cells. Nano Letters, 2007, 7, 1318-1322.	4.5	999
3	Maneuvering the Surface Plasmon Resonance of Silver Nanostructures through Shape-Controlled Synthesis. Journal of Physical Chemistry B, 2006, 110, 15666-15675.	1.2	944
4	Gold Nanocages:â€‰Bioconjugation and Their Potential Use as Optical Imaging Contrast Agents. Nano Letters, 2005, 5, 473-477.	4.5	932
5	Kinetically Controlled Synthesis of Triangular and Hexagonal Nanoplates of Palladium and Their SPR/SERS Properties. Journal of the American Chemical Society, 2005, 127, 17118-17127.	6.6	629
6	The Growth Mechanism of Copper Nanowires and Their Properties in Flexible, Transparent Conducting Films. Advanced Materials, 2010, 22, 3558-3563.	11.1	622
7	Synthesis and Optical Properties of Silver Nanobars and Nanorice. Nano Letters, 2007, 7, 1032-1036.	4.5	590
8	Poly(vinyl pyrrolidone):Â A Dual Functional Reductant and Stabilizer for the Facile Synthesis of Noble Metal Nanoplates in Aqueous Solutions. Langmuir, 2006, 22, 8563-8570.	1.6	578
9	Comparison Study of Gold Nanohexapods, Nanorods, and Nanocages for Photothermal Cancer Treatment. ACS Nano, 2013, 7, 2068-2077.	7.3	557
10	Synthesis and Self-Assembly of Au@SiO2 Coreâ˜Shell Colloids. Nano Letters, 2002, 2, 785-788.	4.5	548
11	Optical Properties of Pdâ˜Ag and Ptâ˜Ag Nanoboxes Synthesized via Galvanic Replacement Reactions. Nano Letters, 2005, 5, 2058-2062.	4.5	508
12	Synthesis and characterization of stable aqueous dispersions of silver nanoparticles through the Tollens processElectronic supplementary information (ESI) available: photographs of silver mirror, and of stable dispersions of silver nanoparticles from mixing diluted silvering solutions under sonication at various times. See http://www.rsc.org/suppdata/jm/b1/b107469e/. Journal of Materials Chemistry, 2002, 12, 522-527.	6.7	445
13	Facile Synthesis of Goldâ˜Silver Nanocages with Controllable Pores on the Surface. Journal of the American Chemical Society, 2006, 128, 14776-14777.	6.6	417
14	The effect of nanowire length and diameter on the properties of transparent, conducting nanowire films. Nanoscale, 2012, 4, 1996.	2.8	413
15	Controlling the Shapes of Silver Nanocrystals with Different Capping Agents. Journal of the American Chemical Society, 2010, 132, 8552-8553.	6.6	412
16	Photoacoustic Tomography of a Rat Cerebral Cortex in vivo with Au Nanocages as an Optical Contrast Agent. Nano Letters, 2007, 7, 3798-3802.	4.5	404
17	Synthesis and Optical Properties of Nanorattles and Multiple-Walled Nanoshells/Nanotubes Made of Metal Alloys. Journal of the American Chemical Society, 2004, 126, 9399-9406.	6.6	400
18	Size-Dependence of Surface Plasmon Resonance and Oxidation for Pd Nanocubes Synthesized via a Seed Etching Process. Nano Letters, 2005, 5, 1237-1242.	4.5	399

#	Article	IF	Citations
19	Right Bipyramids of Silver:â€‰ A New Shape Derived from Single Twinned Seeds. Nano Letters, 2006, 6, 765-768.	4.5	365
20	Fabrication of Cubic Nanocages and Nanoframes by Dealloying Au/Ag Alloy Nanoboxes with an Aqueous Etchant Based on Fe(NO3)3 or NH4OH. Nano Letters, 2007, 7, 1764-1769.	4.5	360
21	Plasmon-enhanced lightâ€“matter interactions and applications. Npj Computational Materials, 2019, 5, .	3.5	334
22	Mechanistic Studies on the Galvanic Replacement Reaction between Multiply Twinned Particles of Ag and HAuCl4in an Organic Medium. Journal of the American Chemical Society, 2007, 129, 1733-1742.	6.6	331
23	The SERS Activity of a Supported Ag Nanocube Strongly Depends on Its Orientation Relative to Laser Polarization. Nano Letters, 2007, 7, 1013-1017.	4.5	321
24	A Quantitative Study on the Photothermal Effect of Immuno Gold Nanocages Targeted to Breast Cancer Cells. ACS Nano, 2008, 2, 1645-1652.	7.3	311
25	Corrosion-Based Synthesis of Single-Crystal Pd Nanoboxes and Nanocages and Their Surface Plasmon Properties. Angewandte Chemie - International Edition, 2005, 44, 7913-7917.	7.2	305
26	Photonic band structures solved by a plane-wave-based transfer-matrix method. Physical Review E, 2003, 67, 046607.	0.8	297
27	Shape-Controlled Synthesis of Silver and Gold Nanostructures. MRS Bulletin, 2005, 30, 356-361.	1.7	272
28	Synthesis of Pdâˆ’Au Bimetallic Nanocrystals via Controlled Overgrowth. Journal of the American Chemical Society, 2010, 132, 2506-2507.	6.6	252
29	Generation of Hot Spots with Silver Nanocubes for Singleâ€Molecule Detection by Surfaceâ€Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2011, 50, 5473-5477.	7.2	248
30	Optical Near-Field Mapping of Plasmonic Nanoprisms. Nano Letters, 2008, 8, 3357-3363.	4.5	233
31	Seed-Mediated Growth of Nearly Monodisperse Palladium Nanocubes with Controllable Sizes. Crystal Growth and Design, 2008, 8, 4440-4444.	1.4	230
32	Facile Synthesis of Sub-20 nm Silver Nanowires through a Bromide-Mediated Polyol Method. ACS Nano, 2016, 10, 7892-7900.	7.3	223
33	Gold nanocages as contrast agents for spectroscopic optical coherence tomography. Optics Letters, 2005, 30, 3048.	1.7	221
34	Large Absolute Band Gap in 2D Anisotropic Photonic Crystals. Physical Review Letters, 1998, 81, 2574-2577.	2.9	212
35	Controlling the Nucleation and Growth of Silver on Palladium Nanocubes by Manipulating the Reaction Kinetics. Angewandte Chemie - International Edition, 2012, 51, 2354-2358.	7.2	209
36	Nano-kirigami with giant optical chirality. Science Advances, 2018, 4, eaat4436.	4.7	203

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37	Creation of partial band gaps in anisotropic photonic-band-gap structures. Physical Review B, 1998, 58, 3721-3729.	1.1	202
38	Metal Nanoparticles with Gain toward Single-Molecule Detection by Surface-Enhanced Raman Scattering. Nano Letters, 2010, 10, 243-249.	4.5	196
39	Fragility of photonic band gaps in inverse-opal photonic crystals. Physical Review B, 2000, 62, 1516-1519.	1.1	181
40	Quantitative Analysis of Dipole and Quadrupole Excitation in the Surface Plasmon Resonance of Metal Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 20233-20240.	1.5	170
41	On-chip optical diode based on silicon photonic crystal heterojunctions. Optics Express, 2011, 19, 26948.	1.7	163
42	Evaluation of lensing in photonic crystal slabs exhibiting negative refraction. Physical Review B, 2003, 68, .	1.1	162
43	All-optical logic gates based on two-dimensional low-refractive-index nonlinear photonic crystal slabs. Optics Express, 2011, 19, 1945.	1.7	150
44	Preparation and Study of Polyacryamide-Stabilized Silver Nanoparticles through a One-Pot Process. Journal of Physical Chemistry B, 2006, 110, 11224-11231.	1.2	144
45	Synthesis and optical properties of cubic gold nanoframes. Nano Research, 2008, 1, 441-449.	5.8	138
46	Unraveling Surface Plasmon Decay in Coreâ€“Shell Nanostructures toward Broadband Light-Driven Catalytic Organic Synthesis. Journal of the American Chemical Society, 2016, 138, 6822-6828.	6.6	136
47	Synthesis, Stability, and Surface Plasmonic Properties of Rhodium Multipods, and Their Use as Substrates for Surface-Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2006, 45, 1288-1292.	7.2	135
48	Visible-near infrared ultra-broadband polarization-independent metamaterial perfect absorber involving phase-change materials. Photonics Research, 2016, 4, 146.	3.4	135
49	Surface-Enhanced Raman Scattering: Comparison of Three Different Molecules on Single-Crystal Nanocubes and Nanospheres of Silver. Journal of Physical Chemistry A, 2009, 113, 3932-3939.	1.1	125
50	Controlled fabrication of silver nanoneedles array for SERS and their application in rapid detection of narcotics. Nanoscale, 2012, 4, 2663.	2.8	122
51	Simultaneous Excitation and Emission Enhancement of Fluorescence Assisted by Double Plasmon Modes of Gold Nanorods. Journal of Physical Chemistry C, 2013, 117, 10636-10642.	1.5	122
52	Optical trapping of gold nanoparticles by cylindrical vector beam. Optics Letters, 2012, 37, 1694.	1.7	119
53	Spontaneous Emission from Photonic Crystals: Full Vectorial Calculations. Physical Review Letters, 2000, 84, 4341-4344.	2.9	113
54	Kirigami/origami: unfolding the new regime of advanced 3D microfabrication/nanofabrication with â€œfoldingâ€• Light: Science and Applications, 2020, 9, 75.	7.7	112

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55	Human ACE2-Functionalized Gold â€œVirus-Trapâ€•Nanostructures for Accurate Capture of SARS-CoV-2 and Single-Virus SERS Detection. Nano-Micro Letters, 2021, 13, 109.	14.4	112
56	Negative Refraction and Imaging Using 12-fold-Symmetry Quasicrystals. Physical Review Letters, 2005, 94, .	2.9	107
57	Robust one-way modes in gyromagnetic photonic crystal waveguides with different interfaces. Applied Physics Letters, 2010, 97, .	1.5	107
58	Linear and passive silicon optical isolator. Scientific Reports, 2012, 2, 674.	1.6	97
59	Metal-Enhanced Near-Infrared Fluorescence by Micropatterned Gold Nanocages. ACS Nano, 2015, 9, 10047-10054.	7.3	96
60	⁶⁴Cu-Doped PdCu@Au Tripods: A Multifunctional Nanomaterial for Positron Emission Tomography and Image-Guided Photothermal Cancer Treatment. ACS Nano, 2016, 10, 3121-3131.	7.3	96
61	Efficient Coupling of Solar Energy to Catalytic Hydrogenation by Using Wellâ€Designed Palladium Nanostructures. Angewandte Chemie - International Edition, 2015, 54, 2425-2430.	7.2	93
62	Controlled Etching as a Route to High Quality Silver Nanospheres for Optical Studies. Journal of Physical Chemistry C, 2009, 113, 16975-16982.	1.5	92
63	Experimental realization of Bloch oscillations in a parity-time synthetic silicon photonic lattice. Nature Communications, 2016, 7, 11319.	5.8	92
64	Optical Origin of Subnanometer Resolution in Tip-Enhanced Raman Mapping. Journal of Physical Chemistry C, 2015, 119, 11858-11871.	1.5	91
65	Colloidal Crystals Made of Polystyrene Spheroids:Â Fabrication and Structural/Optical Characterization. Langmuir, 2002, 18, 7722-7727.	1.6	89
66	Light propagation in semi-infinite photonic crystals and related waveguide structures. Physical Review B, 2003, 68, .	1.1	89
67	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. ACS Nano, 2015, 9, 10523-10532.	7.3	88
68	Monodispersed Spherical Colloids of Se@CdSe:Â Synthesis and Use as Building Blocks in Fabricating Photonic Crystals. Nano Letters, 2005, 5, 937-942.	4.5	87
69	Optical Properties of Auâ^'Ag Nanoboxes Studied by Single Nanoparticle Spectroscopyâ€. Journal of Physical Chemistry B, 2006, 110, 19923-19928.	1.2	87
70	Surface Plasmon Resonance in Bimetallic Coreâ€“Shell Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 16836-16845.	1.5	87
71	Template-Directed Growth of (100)-Oriented Colloidal Crystals. Langmuir, 2003, 19, 622-631.	1.6	86
72	Efficient surface plasmon amplification from gain-assisted gold nanorods. Optics Letters, 2011, 36, 1296.	1.7	85

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73	Analytical model for optical bistability in nonlinear metal nano-antennae involving Kerr materials. Optics Express, 2010, 18, 13337.	1.7	79
74	Etching and Growth: An Intertwined Pathway to Silver Nanocrystals with Exotic Shapes. Angewandte Chemie - International Edition, 2009, 48, 4824-4827.	7.2	78
75	Lattice symmetry applied in transfer-matrix methods for photonic crystals. Journal of Applied Physics, 2003, 94, 811-821.	1.1	77
76	High Surfaceâ€Enhanced Raman Scattering Performance of Individual Gold Nanoflowers and Their Application in Live Cell Imaging. Small, 2013, 9, 927-932.	5.2	77
77	10 fs ultrafast all-optical switching in polystyrene nonlinear photonic crystals. Applied Physics Letters, 2009, 95, .	1.5	73
78	Unidirectional channel-drop filter by one-way gyromagnetic photonic crystal waveguides. Applied Physics Letters, 2011, 98, .	1.5	72
79	Seedâ€Mediated Synthesis of Singleâ€Crystal Gold Nanospheres with Controlled Diameters in the Range 5â€“30â€…nm and their Selfâ€Assembly upon Dilution. Chemistry - an Asian Journal, 2013, 8, 792-799.	1.7	72
80	Large absolute photonic band gaps created by rotating noncircular rods in two-dimensional lattices. Physical Review B, 1999, 60, 11417-11421.	1.1	70
81	Roadmap for single-molecule surface-enhanced Raman spectroscopy. Advanced Photonics, 2020, 2, 1.	6.2	70
82	Highly Enantioselective Zinc/Amino Alcoholâ€Catalyzed Alkynylation of Aldehydes. Chemistry - A European Journal, 2009, 15, 3069-3071.	1.7	65
83	Investigation of Sizeâ€Dependent Plasmonic and Catalytic Properties of Metallic Nanocrystals Enabled by Size Control with HCl Oxidative Etching. Small, 2012, 8, 1710-1716.	5.2	65
84	All-Optical Modulation of a Graphene-Cladded Silicon Photonic Crystal Cavity. ACS Photonics, 2015, 2, 1513-1518.	3.2	65
85	Second harmonic generation in one-dimensional nonlinear photonic crystals solved by the transfer matrix method. Physical Review E, 2007, 75, 056606.	0.8	63
86	Simultaneous broadband generation of second and third harmonics from chirped nonlinear photonic crystals. Light: Science and Applications, 2014, 3, e189-e189.	7.7	63
87	High-Efficiency Broadband High-Harmonic Generation from a Single Quasi-Phase-Matching Nonlinear Crystal. Physical Review Letters, 2015, 115, 083902.	2.9	63
88	Application of structural symmetries in the plane-wave-based transfer-matrix method for three-dimensional photonic crystal waveguides. Physical Review B, 2003, 68, .	1.1	61
89	The Role of Etching in the Formation of Ag Nanoplates with Straight, Curved and Wavy Edges and Comparison of Their SERS Properties. Small, 2014, 10, 1430-1437.	5.2	61
90	Anisotropic and enhanced absorptive nonlinearities in a macroscopic film induced by aligned gold nanorods. Applied Physics Letters, 2010, 96, .	1.5	60

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91	Integration of Kinetic Control and Lattice Mismatch To Synthesize Pd@AuCu Coreâ€“Shell Planar Tetrapods with Size-Dependent Optical Properties. Nano Letters, 2016, 16, 3036-3041.	4.5	58
92	Mesoscopic and Microscopic Strategies for Engineering Plasmonâ€Enhanced Raman Scattering. Advanced Optical Materials, 2018, 6, 1701097.	3.6	58
93	Fano resonance Rabi splitting of surface plasmons. Scientific Reports, 2017, 7, 8010.	1.6	57
94	Wavefront shaping of infrared light through a subwavelength hole. Light: Science and Applications, 2012, 1, e26-e26.	7.7	55
95	Solar energy conversion with tunable plasmonic nanostructures for thermoelectric devices. Nanoscale, 2012, 4, 4416.	2.8	53
96	Switchable slow light rainbow trapping and releasing in strongly coupling topological photonic systems. Photonics Research, 2019, 7, 1075.	3.4	53
97	Transfer behavior of quantum states between atoms in photonic crystal coupled cavities. Physical Review A, 2010, 81, .	1.0	51
98	Photonic band gap effect in layer-by-layer metallic photonic crystals. Journal of Applied Physics, 2003, 93, 38-42.	1.1	49
99	Full vectorial model for quantum optics in three-dimensional photonic crystals. Physical Review A, 2001, 63, .	1.0	48
100	Analytic modal solution to transmission and collimation of light by one-dimensional nanostructured subwavelength metallic slits. Journal of Applied Physics, 2009, 105, .	1.1	48
101	Origin of Shape Resonance in Second-Harmonic Generation from Metallic Nanohole Arrays. Scientific Reports, 2013, 3, 2358.	1.6	48
102	Epitaxial growth ofSrTiO3onSrTiO3(001)using an oblique-incidence reflectance-difference technique. Physical Review B, 1998, 57, 2514-2519.	1.1	47
103	Waveguides in three-dimensional layer-by-layer photonic crystals. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 801.	0.9	45
104	Graphene surface plasmon polaritons transport on curved substrates. Photonics Research, 2015, 3, 300.	3.4	43
105	3D conductive coupling for efficient generation of prominent Fano resonances in metamaterials. Scientific Reports, 2016, 6, 27817.	1.6	43
106	Microscopic and macroscopic manipulation of gold nanorod and its hybrid nanostructures [Invited]. Photonics Research, 2013, 1, 28.	3.4	42
107	Colloidal building blocks with potential for magnetically configurable photonic crystals. Soft Matter, 2007, 3, 1215.	1.2	41
108	Robust and disorder-immune magnetically tunable one-way waveguides in a gyromagnetic photonic crystal. Physical Review B, 2012, 85, .	1.1	41

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109	Disordered photonic crystals understood by a perturbation formalism. Physical Review B, 2000, 61, 15738-15748.	1.1	40
110	Strong coupling of topological edge states enabling group-dispersionless slow light in magneto-optical photonic crystals. Physical Review B, 2019, 99, .	1.1	39
111	Polystyrene Kerr nonlinear photonic crystals for building ultrafast optical switching and logic devices. Journal of Materials Chemistry C, 2014, 2, 783-800.	2.7	38
112	Full Band Gap in Fcc and Bcc Photonic Band Gaps Structure: Nonâ€“Spherical Atom. Journal of the Physical Society of Japan, 1998, 67, 3288-3291.	0.7	37
113	Interface states in photonic crystal heterostructures. Physical Review B, 2001, 63, .	1.1	37
114	Weak photonic band gap effect on the fluorescence lifetime in three-dimensional colloidal photonic crystals. Physical Review B, 2001, 63, .	1.1	37
115	An Optically-Triggered Switchable Mid-Infrared Perfect Absorber Based on Phase-Change Material of Vanadium Dioxide. Plasmonics, 2018, 13, 1393-1402.	1.8	37
116	Ultrafast and low-power photonic crystal all-optical switching with resonant cavities. Journal of Applied Physics, 2009, 106, .	1.1	36
117	Highly Enantioselective Addition of Trimethylsilylacetylene to Aldehydes Catalyzed by a Zincâ€“Aminoâ€Alcohol Complex. Chemistry - A European Journal, 2011, 17, 5782-5786.	1.7	36
118	All-analytical semiclassical theory of spaser performance in a plasmonic nanocavity. Physical Review B, 2013, 88, .	1.1	36
119	Antichiral one-way edge states in a gyromagnetic photonic crystal. Physical Review B, 2020, 101, .	1.1	36
120	Engineering waveguide-cavity resonant side coupling in a dynamically tunable ultracompact photonic crystal filter. Physical Review B, 2005, 72, .	1.1	35
121	Aligned gold nanoneedle arrays for surface-enhanced Raman scattering. Nanotechnology, 2010, 21, 325701.	1.3	35
122	A Negative Thermal Expansion Material of ZrMgMo₃O₁₂. Chinese Physics Letters, 2013, 30, 126502.	1.3	35
123	Direct method to control surface plasmon polaritons on metal surfaces. Optics Letters, 2014, 39, 339.	1.7	35
124	Broadband dispersionless topological slow light. Optics Letters, 2020, 45, 4964.	1.7	35
125	Influence of hole geometry and lattice constant on extraordinary optical transmission through subwavelength hole arrays in metal films. Journal of Applied Physics, 2010, 107, 073101.	1.1	34
126	Observing the Overgrowth of a Second Metal on Silver Cubic Seeds in Solution by Surface-Enhanced Raman Scattering. ACS Nano, 2017, 11, 5080-5086.	7.3	34

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127	Seedâ€Mediated Synthesis of Gold Octahedra in High Purity and with Wellâ€Controlled Sizes and Optical Properties. Chemistry - A European Journal, 2011, 17, 4759-4764.	1.7	32
128	Direct laser writing of symmetryâ€broken spiral tapers for polarizationâ€insensitive threeâ€dimensional plasmonic focusing. Laser and Photonics Reviews, 2014, 8, 602-609.	4.4	32
129	Imaging properties of an elliptical-rod photonic-crystal slab lens. Physical Review B, 2005, 72, .	1.1	31
130	Optical forces on arbitrary shaped particles in optical tweezers. Journal of Applied Physics, 2010, 108, .	1.1	31
131	Invited Article: Nano-kirigami metasurfaces by focused-ion-beam induced close-loop transformation. APL Photonics, 2018, 3, .	3.0	31
132	Waveguide networks in three-dimensional layer-by-layer photonic crystals. Applied Physics Letters, 2004, 84, 4605-4607.	1.5	30
133	Manipulation of gold nanorods with dual-optical tweezers for surface plasmon resonance control. Nanotechnology, 2012, 23, 215302.	1.3	30
134	Analytic modal solution to light propagation through layer-by-layer metallic photonic crystals. Physical Review B, 2003, 67, .	1.1	29
135	Anomalous Propagation Loss in Photonic Crystal Waveguides. Physical Review Letters, 2004, 92, 063904.	2.9	29
136	Exact iterative solution of second harmonic generation in quasi-phase-matched structures. Optics Express, 2010, 18, 7288.	1.7	29
137	Surface wave holography on designing subwavelength metallic structures. Optics Express, 2011, 19, 23908.	1.7	29
138	Au@Pd coreâ€“shell nanocubes with finely-controlled sizes. CrystEngComm, 2013, 15, 3385.	1.3	29
139	Seedâ€Mediated Synthesis of Gold Tetrahedra in High Purity and with Tunable, Wellâ€Controlled Sizes. Chemistry - an Asian Journal, 2014, 9, 2635-2640.	1.7	29
140	Optimization of elastomeric phase masks for near-field photolithography. Applied Physics Letters, 2001, 78, 2431-2433.	1.5	28
141	Principles of the plane-wave transfer-matrix method for photonic crystals. Science and Technology of Advanced Materials, 2005, 6, 837-841.	2.8	28
142	Experimental demonstration of tunable gyromagnetic photonic crystals controlled by dc magnetic fields. Europhysics Letters, 2010, 89, 64003.	0.7	28
143	Fabrication of semiconductor-polymer compound nonlinear photonic crystal slab with highly uniform infiltration based on nano-imprint lithography technique. Optics Express, 2012, 20, 13091.	1.7	28
144	Optical forces exerted on a graphene-coated dielectric particle by a focused Gaussian beam. Photonics Research, 2016, 4, 65.	3.4	28

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145	Omnidirectional absolute band gaps in two-dimensional photonic crystals. Physical Review B, 2001, 64, .	1.1	27
146	Modified thermal radiation in three-dimensional photonic crystals. Physical Review B, 2002, 66, .	1.1	27
147	Three-dimensional light focusing in inverse opal photonic crystals. Physical Review B, 2007, 75, .	1.1	27
148	Enhanced light absorption of TiO_2 in the near-ultraviolet band by Au nanoparticles. Optics Letters, 2010, 35, 3402.	1.7	27
149	Enhanced nonlinear frequency conversion in defective nonlinear photonic crystals with designed polarization distribution. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1551.	0.9	27
150	Giant enhancement of second harmonic generation by engineering double plasmonic resonances at nanoscale. Optics Express, 2014, 22, 28653.	1.7	27
151	Light coupling with multimode photonic crystal waveguides. Applied Physics Letters, 2004, 84, 4699-4701.	1.5	25
152	Experimental demonstration of non-near-field image formed by negative refraction. Physical Review B, 2006, 73, .	1.1	25
153	Enhanced near-infrared transmission through periodic H-shaped arrays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 365, 510-513.	0.9	24
154	Photonic bandgap of gradient quasidiamond lattice photonic crystal. Applied Physics Letters, 2008, 92, .	1.5	24
155	Nanophotonics in China: Overviews and highlights. Frontiers of Physics, 2012, 7, 601-631.	2.4	24
156	Direct observation of amplified spontaneous emission of surface plasmon polaritons at metal/dielectric interfaces. Applied Physics Letters, 2011, 98, .	1.5	23
157	Broadband large-angle self-collimation in two-dimensional silicon photonic crystal. Optics Letters, 2012, 37, 2412.	1.7	23
158	Giant enhancement of second harmonic generation in nonlinear photonic crystals with distributed Bragg reflector mirrors. Optics Express, 2009, 17, 14502.	1.7	22
159	Self-propelled round-trip motion of Janus particles in static line optical tweezers. Nanoscale, 2016, 8, 19894-19900.	2.8	22
160	Improvement of absolute band gaps in 2D photonic crystals by anisotropy in dielectricity. European Physical Journal B, 1999, 11, 65.	0.6	22
161	Optical photonic band gaps and the Lamb shift. Physical Review B, 2001, 63, .	1.1	21
162	Sensitivity of surface states to the stack sequence of one-dimensional photonic crystals. Journal of Optics, 2005, 7, 374-381.	1.5	21

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163	Focusing properties of a rectangular-rod photonic-crystal slab. Journal of Applied Physics, 2005, 98, 063102.	1.1	21
164	Nonlinear frequency conversion in two-dimensional nonlinear photonic crystals solved by a plane-wave-based transfer-matrix method. Physical Review B, 2008, 77, .	1.1	21
165	Multichannel filters via Î“-M and Î“-K waveguide coupling in two-dimensional triangular-lattice photonic crystal slabs. Applied Physics Letters, 2008, 93, .	1.5	21
166	Design of Kerr-effect sensitive microcavity in nonlinear photonic crystal slabs for all-optical switching. Journal of Applied Physics, 2010, 108, 053108.	1.1	21
167	An effective susceptibility model for exact solution of second harmonic generation in general quasiâ€“phase-matched structures. Europhysics Letters, 2011, 94, 44003.	0.7	21
168	Phase transition and thermal expansion property of Cr_{2â^'x}Zr_{0.5x}Mg_{0.5x}Mo₃O₁₂ solid solution. Chinese Physics B, 2014, 23, 066501.	0.7	21
169	Efficient Coupling of Solar Energy to Catalytic Hydrogenation by Using Wellâ€Designed Palladium Nanostructures. Angewandte Chemie, 2015, 127, 2455-2460.	1.6	21
170	Ray-optics model for optical force and torque on a spherical metal-coated Janus microparticle. Photonics Research, 2015, 3, 265.	3.4	21
171	Engineering the imaging properties of a metallic photonic-crystal slab lens. Applied Physics Letters, 2006, 88, 031104.	1.5	20
172	Simulations of defect-free coupled-resonator optical waveguides constructed in 12-fold quasiperiodic photonic crystals. Physical Review B, 2006, 73, .	1.1	20
173	Multichannel filters with shape designing in two-dimensional photonic crystal slabs. Journal of Applied Physics, 2007, 102, 043102.	1.1	20
174	Ultrafast optical switching in Kerr nonlinear photonic crystals. Frontiers of Physics in China, 2010, 5, 220-244.	1.0	20
175	On the critical role of Rayleigh scattering in single-molecule surface-enhanced Raman scattering via a plasmonic nanogap. Nanoscale, 2016, 8, 15730-15736.	2.8	20
176	Five-fold plasmonic Fano resonances with giant bisignate circular dichroism. Nanoscale, 2018, 10, 16630-16637.	2.8	20
177	Mapping of complex optical field patterns in multimode photonic crystal waveguides by near-field scanning optical microscopy. Physical Review B, 2006, 74, .	1.1	19
178	Channel-drop filters in three-dimensional woodpile photonic crystals. Journal of Applied Physics, 2008, 103, 094514.	1.1	19
179	Robust synthesis of gold rhombic dodecahedra with well-controlled sizes and their optical properties. CrystEngComm, 2013, 15, 252-258.	1.3	19
180	Retroreflectiveâ€type Janus microspheres as a novel contrast agent for enhanced optical coherence tomography. Journal of Biophotonics, 2017, 10, 878-886.	1.1	19

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