

# Min Qiu

## List of Publications by Year in descending order

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380  
papers

15,114  
citations

16411

64  
h-index

23472

111  
g-index

384  
all docs

384  
docs citations

384  
times ranked

9738  
citing authors

#	ARTICLE	IF	CITATIONS
1	High performance optical absorber based on a plasmonic metamaterial. Applied Physics Letters, 2010, 96, .	1.5	1,071
2	Nearly total absorption of light and heat generation by plasmonic metamaterials. Physical Review B, 2011, 83, .	1.1	440
3	Enhanced Transmission through Periodic Arrays of Subwavelength Holes: The Role of Localized Waveguide Resonances. Physical Review Letters, 2006, 96, 233901.	2.9	344
4	Nanosecond Photothermal Effects in Plasmonic Nanostructures. ACS Nano, 2012, 6, 2550-2557.	7.3	344
5	Ideal Cylindrical Cloak: Perfect but Sensitive to Tiny Perturbations. Physical Review Letters, 2007, 99, 113903.	2.9	335
6	Coupled mode theory analysis of mode-splitting in coupled cavity system. Optics Express, 2010, 18, 8367.	1.7	316
7	Effective index method for heterostructure-slab-waveguide-based two-dimensional photonic crystals. Applied Physics Letters, 2002, 81, 1163-1165.	1.5	308
8	Direct Coupling of Plasmonic and Photonic Nanowires for Hybrid Nanophotonic Components and Circuits. Nano Letters, 2009, 9, 4515-4519.	4.5	301
9	Plasmonic computing of spatial differentiation. Nature Communications, 2017, 8, 15391.	5.8	292
10	Thermal camouflage based on the phase-changing material GST. Light: Science and Applications, 2018, 7, 26.	7.7	255
11	Control over emissivity of zero-static-power thermal emitters based on phase-changing material GST. Light: Science and Applications, 2017, 6, e16194-e16194.	7.7	236
12	Super-reflection and cloaking based on zero index metamaterial. Applied Physics Letters, 2010, 96, .	1.5	226
13	Generalized Spatial Differentiation from the Spin Hall Effect of Light and Its Application in Image Processing of Edge Detection. Physical Review Applied, 2019, 11, .	1.5	198
14	High-temperature infrared camouflage with efficient thermal management. Light: Science and Applications, 2020, 9, 60.	7.7	187
15	Multispectral camouflage for infrared, visible, lasers and microwave with radiative cooling. Nature Communications, 2021, 12, 1805.	5.8	184
16	Small-volume waveguide-section high Q microcavities in 2D photonic crystal slabs. Optics Express, 2004, 12, 3988.	1.7	183
17	Dynamic Thermal Emission Control Based on Ultrathin Plasmonic Metamaterials Including Phase-changing Material GST. Laser and Photonics Reviews, 2017, 11, 1700091.	4.4	180
18	Compact optical temporal differentiator based on silicon microring resonator. Optics Express, 2008, 16, 15880.	1.7	176

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19	Design of a channel drop filter in a two-dimensional triangular photonic crystal. <i>Applied Physics Letters</i> , 2003, 83, 1074-1076.	1.5	167
20	Multi-band middle-infrared-compatible camouflage with thermal management via simple photonic structures. <i>Nano Energy</i> , 2020, 69, 104449.	8.2	164
21	Optimized grating as an ultra-narrow band absorber or plasmonic sensor. <i>Optics Letters</i> , 2014, 39, 1137.	1.7	162
22	Active control of anapole states by structuring the phase-change alloy Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . <i>Nature Communications</i> , 2019, 10, 396.	5.8	162
23	Resonator channel drop filters in a plasmon-polaritons metal. <i>Optics Express</i> , 2006, 14, 2932.	1.7	161
24	Cylindrical Invisibility Cloak with Simplified Material Parameters is Inherently Visible. <i>Physical Review Letters</i> , 2007, 99, 233901.	2.9	143
25	Optical metamaterial for polarization control. <i>Physical Review A</i> , 2009, 80, .	1.0	141
26	High- <i>Q</i> All-Dielectric Metasurface: Super and Suppressed Optical Absorption. <i>ACS Photonics</i> , 2020, 7, 1436-1443.	3.2	137
27	Broadband coupler between silicon waveguide and hybrid plasmonic waveguide. <i>Optics Express</i> , 2010, 18, 13173.	1.7	136
28	Broadband high-efficiency surface-plasmon-polariton coupler with silicon-metal interface. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	129
29	Broadband optical absorption based on single-sized metal-dielectric-metal plasmonic nanostructures with high- $\mu$ metals. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	128
30	Outdoor Personal Thermal Management with Simultaneous Electricity Generation. <i>Nano Letters</i> , 2021, 21, 3879-3886.	4.5	124
31	Engineering Optical Absorption in Graphene and Other 2D Materials: Advances and Applications. <i>Advanced Optical Materials</i> , 2019, 7, 1900595.	3.6	123
32	Cylindrical superlens by a coordinate transformation. <i>Physical Review B</i> , 2008, 78, .	1.1	121
33	A nonorthogonal finite-difference time-domain method for computing the band structure of a two-dimensional photonic crystal with dielectric and metallic inclusions. <i>Journal of Applied Physics</i> , 2000, 87, 8268-8275.	1.1	108
34	Photothermal reshaping of gold nanoparticles in a plasmonic absorber. <i>Optics Express</i> , 2011, 19, 14726.	1.7	108
35	Dielectric metalens for miniaturized imaging systems: progress and challenges. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	108
36	Numerical method for computing defect modes in two-dimensional photonic crystals with dielectric or metallic inclusions. <i>Physical Review B</i> , 2000, 61, 12871-12876.	1.1	106

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37	Multimode directionality in all-dielectric metasurfaces. <i>Physical Review B</i> , 2017, 95, .	1.1	106
38	Resonance-splitting and enhanced notch depth in SOI ring resonators with mutual mode coupling. <i>Optics Express</i> , 2008, 16, 4621.	1.7	105
39	An ultra-thin colored textile with simultaneous solar and passive heating abilities. <i>Nano Energy</i> , 2019, 65, 103998.	8.2	103
40	Spatially Resolved Dynamically Reconfigurable Multilevel Control of Thermal Emission. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900162.	4.4	103
41	Ultra-narrow-band light dissipation by a stack of lamellar silver and alumina. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	100
42	Influence of the surface termination to the point imaging by a photonic crystal slab with negative refraction. <i>Applied Physics Letters</i> , 2004, 85, 4269.	1.5	98
43	Spatially and Spectrally Resolved Narrowband Optical Absorber Based on 2D Grating Nanostructures on Metallic Films. <i>Advanced Optical Materials</i> , 2016, 4, 480-486.	3.6	94
44	A Tunable Broadband Photonic RF Phase Shifter Based on a Silicon Microring Resonator. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 60-62.	1.3	92
45	Large complete band gap in two-dimensional photonic crystals with elliptic air holes. <i>Physical Review B</i> , 1999, 60, 10610-10612.	1.1	91
46	Compact in-plane channel drop filter design using a single cavity with two degenerate modes in 2D photonic crystal slabs. <i>Optics Express</i> , 2005, 13, 2596.	1.7	90
47	Analysis of guided modes in photonic crystal fibers using the finite-difference time-domain method. <i>Microwave and Optical Technology Letters</i> , 2001, 30, 327-330.	0.9	89
48	Light-Induced Pulling and Pushing by the Synergic Effect of Optical Force and Photophoretic Force. <i>Physical Review Letters</i> , 2017, 118, 043601.	2.9	86
49	Migrating Knowledge between Physical Scenarios Based on Artificial Neural Networks. <i>ACS Photonics</i> , 2019, 6, 1168-1174.	3.2	85
50	Revealing Strong Plasmon-Exciton Coupling between Nanogap Resonators and Two-Dimensional Semiconductors at Ambient Conditions. <i>Physical Review Letters</i> , 2020, 124, 063902.	2.9	85
51	Coordinate transformations make perfect invisibility cloaks with arbitrary shape. <i>New Journal of Physics</i> , 2008, 10, 043040.	1.2	84
52	Photonic crystal optical filter based on contra-directional waveguide coupling. <i>Applied Physics Letters</i> , 2003, 83, 5121-5123.	1.5	81
53	Guided plasmon polariton at 2D metal corners. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2333.	0.9	81
54	Scattering characteristics of simplified cylindrical invisibility cloaks. <i>Optics Express</i> , 2007, 15, 17772.	1.7	81

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55	Polarization-sensitive perfect absorbers at near-infrared wavelengths. <i>Optics Express</i> , 2013, 21, A111.	1.7	81
56	Radiation losses in planar photonic crystals: two-dimensional representation of hole depth and shape by an imaginary dielectric constant. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 469.	0.9	79
57	Coupled-mode analysis of a resonant channel drop filter using waveguides with mirror boundaries. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 104.	0.9	77
58	Dielectric super-absorbing metasurfaces via PT symmetry breaking. <i>Optica</i> , 2021, 8, 1290.	4.8	75
59	Asymmetric plasmonic-dielectric coupler with short coupling length, high extinction ratio, and low insertion loss. <i>Optics Letters</i> , 2010, 35, 3153.	1.7	74
60	Photonic Crystals—A Step towards Integrated Circuits for Photonics. <i>ChemPhysChem</i> , 2004, 5, 1268-1283.	1.0	72
61	Thermionic energy conversion for concentrating solar power. <i>Applied Energy</i> , 2017, 208, 1318-1342.	5.1	72
62	Nonvolatile Optically Reconfigurable Radiative Metasurface with Visible Tunability for Anticounterfeiting. <i>Nano Letters</i> , 2021, 21, 5269-5276.	4.5	72
63	Shape-dependent absorption characteristics of three-layered metamaterial absorbers at near-infrared. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	71
64	Near-Infrared Super-Absorbing All-Dielectric Metasurface Based on Single-Layer Germanium Nanostructures. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800076.	4.4	70
65	Optical study of two-dimensional InP-based photonic crystals by internal light source technique. <i>IEEE Journal of Quantum Electronics</i> , 2002, 38, 786-799.	1.0	68
66	Near-infrared broadband absorber with film-coupled multilayer nanorods. <i>Optics Letters</i> , 2013, 38, 2247.	1.7	68
67	Broadband nanophotonic wireless links and networks using on-chip integrated plasmonic antennas. <i>Scientific Reports</i> , 2016, 6, 19490.	1.6	67
68	Optimal design of a two-dimensional photonic crystal of square lattice with a large complete two-dimensional bandgap. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000, 17, 1027.	0.9	64
69	System performance of slow-light buffering and storage in silicon nano-waveguide. , 2007, 6783, 695.		63
70	High-directivity patch antenna with both photonic bandgap substrate and photonic bandgap cover. <i>Microwave and Optical Technology Letters</i> , 2001, 30, 41-44.	0.9	62
71	A plasmon ruler based on nanoscale photothermal effect. <i>Optics Express</i> , 2013, 21, 172.	1.7	62
72	Slow electromagnetic wave guided in subwavelength region along one-dimensional periodically structured metal surface. <i>Applied Physics Letters</i> , 2007, 90, 201906.	1.5	61

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73	Mode Modification of Plasmonic Gap Resonances Induced by Strong Coupling with Molecular Excitons. <i>Nano Letters</i> , 2017, 17, 3246-3251.	4.5	60
74	Color-preserving passive radiative cooling for an actively temperature-regulated enclosure. <i>Light: Science and Applications</i> , 2022, 11, 122.	7.7	56
75	Fast light in silicon ring resonator with resonance-splitting. <i>Optics Express</i> , 2009, 17, 933.	1.7	55
76	Plasmonic wave propagation in silver nanowires: guiding modes or not?. <i>Optics Express</i> , 2013, 21, 8587.	1.7	54
77	Models and measurements for the transmission of submicron-width waveguide bends defined in two-dimensional photonic crystals. <i>IEEE Journal of Quantum Electronics</i> , 2002, 38, 770-785.	1.0	52
78	Photonic band structures for surface waves on structured metal surfaces. <i>Optics Express</i> , 2005, 13, 7583.	1.7	52
79	Wavelength-tunable mid-infrared thermal emitters with a non-volatile phase changing material. <i>Nanoscale</i> , 2018, 10, 4415-4420.	2.8	51
80	Optically Tunable Delay Line in Silicon Microring Resonator Based on Thermal Nonlinear Effect. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 706-712.	1.9	50
81	Coupling between plane waves and Bloch waves in photonic crystals with negative refraction. <i>Physical Review B</i> , 2005, 71, .	1.1	49
82	Dense wavelength conversion and multicasting in a resonance-split silicon microring. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	47
83	Three-Dimensional in Situ Electron-Beam Lithography Using Water Ice. <i>Nano Letters</i> , 2018, 18, 5036-5041.	4.5	46
84	Nanowaveguides and couplers based on hybrid plasmonic modes. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	45
85	Tailoring unidirectional angular radiation through multipolar interference in a single-element subwavelength all-dielectric stair-like nanoantenna. <i>Nanoscale</i> , 2016, 8, 4047-4053.	2.8	45
86	Guided modes in a two-dimensional metallic photonic crystal waveguide. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 266, 425-429.	0.9	44
87	Endface reflectivities of optical nanowires. <i>Optics Express</i> , 2009, 17, 10881.	1.7	44
88	Modeling bending losses of optical nanofibers or nanowires. <i>Applied Optics</i> , 2009, 48, 4365.	2.1	44
89	Inverse design of an integrated-nanophotonics optical neural network. <i>Science Bulletin</i> , 2020, 65, 1177-1183.	4.3	44
90	Anomalous behavior of nearly-entire visible band manipulated with degenerated image dipole array. <i>Nanoscale</i> , 2014, 6, 12303-12309.	2.8	43

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91	Laser-induced single point nanowelding of silver nanowires. Applied Physics Letters, 2016, 108, .	1.5	43
92	Wavelength and Thermal Distribution Selectable Microbolometers Based on Metamaterial Absorbers. IEEE Photonics Journal, 2015, 7, 1-8.	1.0	41
93	Reconfigurable all-dielectric antenna-based metasurface driven by multipolar resonances. Optics Express, 2018, 26, 23918.	1.7	40
94	Shape Deformation of Nanoresonator: A Quasinormal-Mode Perturbation Theory. Physical Review Letters, 2020, 125, 013901.	2.9	39
95	MEMS inductor fabrication and emerging applications in power electronics and neurotechnologies. Microsystems and Nanoengineering, 2021, 7, 59.	3.4	39
96	Band gap effects in asymmetric photonic crystal slabs. Physical Review B, 2002, 66, .	1.1	38
97	Design of an ultrathin broadband transparent and high-conductive screen using plasmonic nanostructures. Optics Letters, 2012, 37, 4955.	1.7	38
98	Light absorber based on nano-spheres on a substrate reflector. Optics Express, 2013, 21, 6697.	1.7	38
99	Photothermal Enhancement in Core-Shell Structured Plasmonic Nanoparticles. Plasmonics, 2014, 9, 623-630.	1.8	38
100	Identification and control of multiple leaky plasmon modes in silver nanowires. Laser and Photonics Reviews, 2016, 10, 278-286.	4.4	38
101	Ice lithography for 3D nanofabrication. Science Bulletin, 2019, 64, 865-871.	4.3	38
102	Intelligent designs in nanophotonics: from optimization towards inverse creation. PhotonIX, 2021, 2, .	5.5	38
103	Time-domain 2D modeling of slab-waveguide based photonic-crystal devices in the presence of radiation losses. Microwave and Optical Technology Letters, 2002, 34, 387-393.	0.9	37
104	Wave propagation through a photonic crystal in a negative phase refractive-index region. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 106-110.	1.9	37
105	Sensitive label-free and compact biosensor based on concentric silicon-on-insulator microring resonators. Applied Optics, 2009, 48, F90.	2.1	37
106	On-chip optical tweezers based on freeform optics. Optica, 2021, 8, 409.	4.8	37
107	Structurally-tolerant vertical directional coupling between metal-insulator-metal plasmonic waveguide and silicon dielectric waveguide. Optics Express, 2010, 18, 15531.	1.7	36
108	Theoretical realization of robust broadband transparency in ultrathin seamless nanostructures by dual blackbodies for near infrared light. Nanoscale, 2013, 5, 3373.	2.8	36

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109	Ordered Au nanocrystals on a substrate formed by light-induced rapid annealing. <i>Nanoscale</i> , 2014, 6, 1756-1762.	2.8	35
110	A Lattice-Partition Framework of Downlink Non-Orthogonal Multiple Access Without SIC. <i>IEEE Transactions on Communications</i> , 2018, 66, 2532-2546.	4.9	35
111	Surface plasmons interference nanogratings: wafer-scale laser direct structuring in seconds. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	35
112	FDTD algorithm for computing the off-plane band structure in a two-dimensional photonic crystal with dielectric or metallic inclusions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 278, 348-354.	0.9	34
113	Study of transmission properties for waveguide bends by use of a circular photonic crystal. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 340, 474-479.	0.9	34
114	Tunable narrowband mid-infrared thermal emitter with a bilayer cavity enhanced Tamm plasmon. <i>Optics Letters</i> , 2018, 43, 5230.	1.7	34
115	All-optical format conversions from NRZ to BPSK and QPSK based on nonlinear responses in silicon microring resonators. <i>Optics Express</i> , 2007, 15, 14275.	1.7	33
116	Non-magnetic simplified cylindrical cloak with suppressed zeroth order scattering. <i>Applied Physics Letters</i> , 2008, 93, 021909.	1.5	33
117	Efficient coupling between dielectric and hybrid plasmonic waveguides by multimode interference power splitter. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 075002.	1.0	33
118	Optically controlled local nanosoldering of metal nanowires. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	33
119	Plasmonic Nano-Oven by Concatenation of Multishell Photothermal Enhancement. <i>ACS Nano</i> , 2017, 11, 7915-7924.	7.3	32
120	Circular-polarization-sensitive absorption in refractory metamaterials composed of molybdenum zigzag arrays. <i>Optics Express</i> , 2018, 26, 17772.	1.7	32
121	Nonvolatile tunable silicon-carbide-based midinfrared thermal emitter enabled by phase-changing materials. <i>Optics Letters</i> , 2018, 43, 1295.	1.7	32
122	Modeling endface output patterns of optical micro/nanofibers. <i>Optics Express</i> , 2008, 16, 8887.	1.7	31
123	Invisibility Cloaking by Coordinate Transformation. <i>Progress in Optics</i> , 2009, , 261-304.	0.4	31
124	Double-sided polarization-independent plasmonic absorber at near-infrared region. <i>Optics Express</i> , 2013, 21, 13125.	1.7	31
125	Solvent-Free Nanofabrication Based on Ice-Assisted Electron-Beam Lithography. <i>Nano Letters</i> , 2020, 20, 8841-8846.	4.5	31
126	A full-potential linear-muffin-tin-orbital molecular-dynamics study of the fourteen stable structures for cluster Si <sub>9</sub> . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 256, 386-390.	0.9	30



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127	Spatial control of surface plasmon polariton excitation at planar metal surface. Optics Letters, 2014, 39, 3587.	1.7	30
128	Nanoscale Lamb wave-driven motors in nonliquid environments. Science Advances, 2019, 5, eaau8271.	4.7	30
129	Large third-order nonlinear refractive index coefficient based on gold nanoparticle aggregate films. Applied Physics Letters, 2015, 107, .	1.5	29
130	Tunable Valley Polarized Plasmon-Exciton Polaritons in Two-Dimensional Semiconductors. ACS Nano, 2019, 13, 1333-1341.	7.3	29
131	Optical filter based on two-dimensional photonic crystal surface-mode cavity in amorphous silicon-on-silica structure. Applied Physics Letters, 2007, 90, 041108.	1.5	28
132	Reducing crosstalk between nanowire-based hybrid plasmonic waveguides. Optics Communications, 2011, 284, 480-484.	1.0	28
133	Plasmonic sectoral horn nanoantennas. Optics Letters, 2014, 39, 3204.	1.7	28
134	Probing Plasmonic Gap Resonances between Gold Nanorods and a Metallic Surface. Journal of Physical Chemistry C, 2015, 119, 18627-18634.	1.5	28
135	Tunable dual-band thermal emitter consisting of single-sized phase-changing GST nanodisks. Optics Express, 2018, 26, 4279.	1.7	28
136	Downlink Non-Orthogonal Multiple Access Without SIC for Block Fading Channels: An Algebraic Rotation Approach. IEEE Transactions on Wireless Communications, 2019, 18, 3903-3918.	6.1	28
137	Experimental Demonstration of Plasmon Propagation, Coupling, and Splitting in Silver Nanowire at 1550-nm Wavelength. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1107-1111.	1.9	27
138	Surface waves on the relativistic quantum plasma half-space. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1736-1739.	0.9	27
139	Honeycomb-lattice plasmonic absorbers at NIR: anomalous high-order resonance. Optics Express, 2013, 21, 20873.	1.7	27
140	Metal-insulator-metal plasmonic absorbers: influence of lattice. Optics Express, 2014, 22, 30807.	1.7	27
141	Polarization switching of thermal emissions based on plasmonic structures incorporating phase-changing material Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . Optical Materials Express, 2018, 8, 2312.	1.6	27
142	Polarization-Independent Optical Broadband Angular Selectivity. ACS Photonics, 2018, 5, 4125-4131.	3.2	26
143	Atomic switches of metallic point contacts by plasmonic heating. Light: Science and Applications, 2019, 8, 34.	7.7	26
144	Modeling of quasi-grating sidewall corrugation in SOI microring add-drop filters. Optics Communications, 2009, 282, 3464-3467.	1.0	25

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145	Subwavelength hybrid plasmonic nanodisk with high $Q$ factor and Purcell factor. Journal of Optics (United Kingdom), 2011, 13, 075001.	1.0	25
146	Controlling the angular radiation of single emitters using dielectric patch nanoantennas. Applied Physics Letters, 2015, 107, 031109.	1.5	25
147	Controlling fluorescence emission with split-ring resonator-based plasmonic metasurfaces. Laser and Photonics Reviews, 2017, 11, 1600299.	4.4	25
148	Surface-mode microcavity. Applied Physics Letters, 2005, 87, 111102.	1.5	24
149	Photothermal-Induced Nanowelding of Metal-Semiconductor Heterojunction in Integrated Nanowire Units. Advanced Electronic Materials, 2018, 4, 1700614.	2.6	24
150	Lattice-Partition-Based Downlink Non-Orthogonal Multiple Access Without SIC for Slow Fading Channels. IEEE Transactions on Communications, 2019, 67, 1166-1181.	4.9	24
151	All-optical switching of silicon disk resonator based on photothermal effect in metal-insulator-metal absorber. Optics Letters, 2014, 39, 4431.	1.7	23
152	All-dielectric KTiOPO <sub>4</sub> metasurfaces based on multipolar resonances in the terahertz region. Optics Express, 2017, 25, 24068.	1.7	23
153	Infrared Camouflage Utilizing Ultrathin Flexible Large-Scale High-Temperature-Tolerant Lambertian Surfaces. Laser and Photonics Reviews, 2021, 15, 2000391.	4.4	23
154	Hierarchical visible-infrared-microwave scattering surfaces for multispectral camouflage. Nanophotonics, 2022, 11, 3613-3622.	2.9	23
155	Surface modes in two-dimensional dielectric and metallic photonic band gap structures: a FDTD study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 282, 85-91.	0.9	22
156	Pulse Delay and Advancement in SOI Microring Resonators With Mutual Mode Coupling. Journal of Lightwave Technology, 2009, 27, 4734-4743.	2.7	22
157	Hybrid photonic-plasmonic molecule based on metal/Si disks. Optics Express, 2013, 21, 11037.	1.7	22
158	Grating-assisted enhanced optical transmission through a seamless gold film. Optics Express, 2014, 22, 5416.	1.7	21
159	Efficient Plasmonic Gas Sensing Based on Cavity-Coupled Metallic Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 24740-24744.	1.5	21
160	Gain-Assisted Plasmon Resonance Narrowing and Its Application in Sensing. Physical Review Applied, 2019, 11, .	1.5	21
161	Whole LWIR Directional Thermal Emission Based on ENZ Thin Films. Laser and Photonics Reviews, 2022, 16, .	4.4	21
162	The adsorption and dissociation of ammonia on small Si clusters surface. Surface Science, 1998, 395, 260-267.	0.8	20

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163	Bandgap control in two-dimensional semiconductors via coherent doping of plasmonic hot electrons. <i>Nature Communications</i> , 2021, 12, 4332.	5.8	20
164	Manipulating light absorption in dye-doped dielectric films on reflecting surfaces. <i>Optics Express</i> , 2014, 22, 25965.	1.7	19
165	Thermodynamic assessment of solar photon-enhanced thermionic conversion. <i>Applied Energy</i> , 2018, 223, 134-145.	5.1	19
166	Manipulate light polarizations with metamaterials: From microwave to visible. <i>Frontiers of Physics in China</i> , 2010, 5, 291-307.	1.0	18
167	Layered metal-dielectric waveguide: subwavelength guidance, leveraged modulation sensitivity in mode index, and reversed mode ordering. <i>Optics Express</i> , 2011, 19, 3818.	1.7	18
168	Ammonia adsorption and saturation on small Si cluster surfaces: a full-potential linear-muffin-tin-orbital molecular-dynamics study. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 245, 430-434.	0.9	17
169	Micro-cavities in silicon-on-insulator photonic crystal slabs: Determining resonant frequencies and quality factors accurately. <i>Microwave and Optical Technology Letters</i> , 2005, 45, 381-385.	0.9	17
170	Remote structuring of near-field landscapes. <i>Science</i> , 2020, 369, 436-440.	6.0	17
171	Monolayer Conveyor for Stably Trapping and Transporting Sub-10nm Particles. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000030.	4.4	17
172	Design and Analysis of Delayed Bit-Interleaved Coded Modulation With LDPC Codes. <i>IEEE Transactions on Communications</i> , 2021, 69, 3556-3571.	4.9	17
173	The effect of transformation order on the invisibility performance of a practical cylindrical cloak. <i>Journal of Optics</i> , 2008, 10, 095001.	1.5	16
174	Time-resolved photocurrents in quantum well/dot infrared photodetectors with different optical coupling structures. <i>Applied Physics Letters</i> , 2012, 100, 043502.	1.5	16
175	Directional and Spectral Control of Thermal Emission and Its Application in Radiative Cooling and Infrared Light Sources. <i>Physical Review Applied</i> , 2020, 13, .	1.5	16
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