Shining Zhu

List of Publications by Year
in descending order

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266 papers	17,212 citations	34016 52 h-index	15218 126 g-index
273 all docs	273 docs citations	273 times ranked	10923 citing authors

#	Article	IF	Citations
1	3D self-assembly of aluminium nanoparticles for plasmon-enhanced solar desalination. Nature Photonics, 2016, 10, 393-398.	15.6	1,669
2	A broadband achromatic metalens in the visible. Nature Nanotechnology, 2018, 13, 227-232.	15.6	1,146
3	Graphene oxide-based efficient and scalable solar desalination under one sun with a confined 2D water path. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13953-13958.	3.3	971
4	Mushrooms as Efficient Solar Steamâ€Generation Devices. Advanced Materials, 2017, 29, 1606762.	11.1	922
5	Broadband achromatic optical metasurface devices. Nature Communications, 2017, 8, 187.	5.8	713
6	Tailoring Graphene Oxideâ€Based Aerogels for Efficient Solar Steam Generation under One Sun. Advanced Materials, 2017, 29, 1604031.	11.1	711
7	Stereometamaterials. Nature Photonics, 2009, 3, 157-162.	15.6	643
8	Flexible and Salt Resistant Janus Absorbers by Electrospinning for Stable and Efficient Solar Desalination. Advanced Energy Materials, 2018, 8, 1702884.	10.2	635
9	Enhancement of Interfacial Solar Vapor Generation by Environmental Energy. Joule, 2018, 2, 1331-1338.	11.7	507
10	Achromatic metalens array for full-colour light-field imaging. Nature Nanotechnology, 2019, 14, 227-231.	15.6	408
11	Three-dimensional artificial transpiration for efficient solar waste-water treatment. National Science Review, 2018, 5, 70-77.	4.6	363
12	A water lilyâ€“inspired hierarchical design for stable and efficient solar evaporation of high-salinity brine. Science Advances, 2019, 5, eaaw7013.	4.7	335
13	Over 10Âkg mâ^'2 hâ^'1 Evaporation Rate Enabled by a 3D Interconnected Porous Carbon Foam. Joule, 2020, 4, 928-937.	11.7	263
14	The revival of thermal utilization from the Sun: interfacial solar vapor generation. National Science Review, 2019, 6, 562-578.	4.6	260
15	Experimental Realization of Second Harmonic Generation in a Fibonacci Optical Superlattice of LiTaO3. Physical Review Letters, 1997, 78, 2752-2755.	2.9	257
16	Extraordinary Acoustic Transmission through a 1D Grating with Very Narrow Apertures. Physical Review Letters, 2007, 99, 174301.	2.9	242
17	Metalens-arrayâ€“based high-dimensional and multiphoton quantum source. Science, 2020, 368, 1487-1490.	6.0	239
18	Experimental demonstration of a three-dimensional lithium niobate nonlinear photonic crystal. Nature Photonics, 2018, 12, 596-600.	15.6	224

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19	Enhanced sensing performance by the plasmonic analog of electromagnetically induced transparency in active metamaterials. Applied Physics Letters, 2010, 97, .	1.5	213
20	Interfacial Solar Steam Generation Enables Fastâ€Responsive, Energyâ€Efficient, and Lowâ€Cost Offâ€Grid Sterilization. Advanced Materials, 2018, 30, e1805159.	11.1	208
21	Storage and Recycling of Interfacial Solar Steam Enthalpy. Joule, 2018, 2, 2477-2484.	11.7	205
22	Negative birefraction of acoustic waves in a sonic crystal. Nature Materials, 2007, 6, 744-748.	13.3	182
23	Dual functional asymmetric plasmonic structures for solar water purification and pollution detection. Nano Energy, 2018, 51, 451-456.	8.2	165
24	Optical Properties of an Ionic-Type Phononic Crystal. Science, 1999, 284, 1822-1824.	6.0	137
25	Acoustic Surface Evanescent Wave and its Dominant Contribution to Extraordinary Acoustic Transmission and Collimation of Sound. Physical Review Letters, 2010, 104, 164301.	2.9	135
26	Plasmonically induced transparent magnetic resonance in a metallic metamaterial composed of asymmetric double bars. Optics Express, 2010, 18, 18229.	1.7	132
27	Flexible coherent control of plasmonic spin-Hall effect. Nature Communications, 2015, 6, 8360.	5.8	132
28	Stable, high-performance sodium-based plasmonic devices in the nearÂinfrared. Nature, 2020, 581, 401-405.	13.7	125
29	Efficient nonlinear beam shaping in three-dimensional lithium niobate nonlinear photonic crystals. Nature Communications, 2019, 10, 4193.	5.8	114
30	Spectral tomographic imaging with aplanatic metalens. Light: Science and Applications, 2019, 8, 99.	7.7	107
31	Electronâ€“phonon interaction effect on optical absorption in cylindrical quantum wires. Solid State Communications, 2006, 139, 76-79.	0.9	100
32	Breakup and Recovery of Topological Zero Modes in Finite Non-Hermitian Optical Lattices. Physical Review Letters, 2019, 123, 165701.	2.9	99
33	Observation of Anomalous <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï€</mml:mi></mml:math> Modes in Photonic Floquet Engineering. Physical Review Letters, 2019, 122, 173901.	2.9	98
34	Exciton effects on the nonlinear optical rectification in one-dimensional quantum dots. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 335, 175-181.	0.9	95
35	Accumulating microparticles and direct-writing micropatterns using a continuous-wave laser-induced vapor bubble. Lab on A Chip, 2011, 11, 3816.	3.1	93
36	Synergistic Tandem Solar Electricity-Water Generators. Joule, 2020, 4, 347-358.	11.7	91

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37	Topologically protected interface mode in plasmonic waveguide arrays. Laser and Photonics Reviews, 2015, 9, 392-398.	4.4	90
38	Broad Band Focusing and Demultiplexing of In-Plane Propagating Surface Plasmons. Nano Letters, 2011, 11, 4357-4361.	4.5	85
39	Measurement of the Zak phase of photonic bands through the interface states of a metasurface/photonic crystal. Physical Review B, 2016, 93, .	1.1	80
40	Self-Focusing and the Talbot Effect in Conformal Transformation Optics. Physical Review Letters, 2017, 119, 033902.	2.9	72
41	Optical Interface States Protected by Synthetic Weyl Points. Physical Review X, 2017, 7, .	2.8	71
42	Direct Observation of Ferroelectric Domains in LiTaO3Using Environmental Scanning Electron Microscopy. Physical Review Letters, 1997, 79, 2558-2561.	2.9	65
43	Plasmonic polarization generator in well-routed beaming. Light: Science and Applications, 2015, 4, e330-e330.	7.7	65
44	Tuning Transpiration by Interfacial Solar Absorberâ€Leaf Engineering. Advanced Science, 2018, 5, 1700497.	5.6	65
45	Two-dimensional topological photonic systems. Progress in Quantum Electronics, 2017, 55, 52-73.	3.5	62
46	Metasurfaces with Planar Chiral Meta-Atoms for Spin Light Manipulation. Nano Letters, 2021, 21, 1815-1821.	4.5	62
47	Hall effect and dielectric properties of Mn-doped barium titanate. Microelectronic Engineering, 2003, 66, 855-859.	1.1	61
48	Drone-based entanglement distribution towards mobile quantum networks. National Science Review, 2020, 7, 921-928.	4.6	61
49	Exploring magnetic plasmon polaritons in optical transmission through hole arrays perforated in trilayer structures. Applied Physics Letters, 2007, 90, 251112.	1.5	59
50	A scalable fish-school inspired self-assembled particle system for solar-powered water-solute separation. National Science Review, 2021, 8, nwab065.	4.6	58
51	Optimizing the efficiency of a periodically poled LNOI waveguide using in situ monitoring of the ferroelectric domains. Applied Physics Letters, 2020, 116, .	1.5	57
52	Optical-Relayed Entanglement Distribution Using Drones as Mobile Nodes. Physical Review Letters, 2021, 126, 020503.	2.9	57
53	Onâ€Chip Detection of Orbital Angular Momentum Beam by Plasmonic Nanogratings. Laser and Photonics Reviews, 2018, 12, 1700331.	4.4	54
54	Third-harmonic generation in a general two-component quasi-periodic optical superlattice. Optics Letters, 2001, 26, 899.	1.7	53

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55	Role of asymmetric environment on the dark mode excitation in metamaterial analogue of electromagnetically-induced transparency. Optics Express, 2010, 18, 22412.	1.7	53
56	Wavefront shaping through emulated curved space in waveguide settings. Nature Communications, 2016, 7, 10747.	5.8	52
57	Photonic Flywheel in a Monolithic Fiber Resonator. Physical Review Letters, 2020, 125, 143902.	2.9	52
58	Electrically controllable laser frequency combs in graphene-fibre microresonators. Light: Science and Applications, 2020, 9, 185.	7.7	52
59	Ultra-compact snapshot spectral light-field imaging. Nature Communications, 2022, 13, 2732.	5.8	52
60	Quantum photonics based on metasurfaces. Opto-Electronic Advances, 2021, 4, 200092-200092.	6.4	50
61	Polaron effects on third-harmonic generation in cylindrical quantum-well wires. Solid State Communications, 2004, 132, 689-692.	0.9	49
62	Quantum Secure Direct Communication by Using Three-Dimensional Hyperentanglement. Communications in Theoretical Physics, 2011, 56, 831-836.	1.1	48
63	Definite photon deflections ofÂtopologicalÂdefects in metasurfaces and symmetry-breaking phase transitions with material loss. Nature Communications, 2018, 9, 4271.	5.8	48
64	Generating Controllable Laguerre-Gaussian Laser Modes Through Intracavity Spin-Orbital Angular Momentum Conversion of Light. Physical Review Applied, 2019, 11, .	1.5	47
65	Metalens-integrated compact imaging devices for wide-field microscopy. Advanced Photonics, 2020, 2, .	6.2	47
66	Chromatic Dispersion Manipulation Based on Metalenses. Advanced Materials, 2020, 32, e1904935.	11.1	46
67	Integrating the optical tweezers and spanner onto an individual single-layer metasurface. Photonics Research, 2021, 9, 1062.	3.4	46
68	Three-dimensional entanglement on a silicon chip. Npj Quantum Information, 2020, 6, .	2.8	45
69	Nonlinear photonic crystals: from 2D to 3D. Optica, 2021, 8, 372.	4.8	45
70	Analysis of shear modes in a piezoelectric vibrator. Journal of Applied Physics, 1998, 83, 4415-4420.	1.1	43
71	Surface plasmon coupling enhanced dielectric environment sensitivity in a quasi-three-dimensional metallic nanohole array. Optics Express, 2010, 18, 3546.	1.7	42
72	Quasi-phase-matching-division multiplexing holography in a three-dimensional nonlinear photonic crystal. Light: Science and Applications, 2021, 10, 146.	7.7	42

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73	High-frequency resonance in acoustic superlattice of periodically poledLiTaO3. Applied Physics Letters, 1997, 70, 592-594.	1.5	41
74	Pixel-level Bayer-type colour router based on metasurfaces. Nature Communications, 2022, 13, .	5.8	41
75	Crucial effects of coupling coefficients on quasi-phase-matched harmonic generation in an optical superlattice. Optics Letters, 2000, 25, 436.	1.7	40
76	High-harmonic generation in Weyl semimetal Î²-WP2 crystals. Nature Communications, 2021, 12, 6437.	5.8	40
77	Giant magnetoresistance in transition-metal-doped ZnO films. Applied Physics Letters, 2006, 88, 252110.	1.5	39
78	Ultrabright Multiplexed Energy-Time-Entangled Photon Generation from Lithium Niobate on Insulator Chip. Physical Review Applied, 2021, 15, .	1.5	39
79	Tunable photonic crystals with superconductor constituents. Materials Letters, 2002, 55, 12-16.	1.3	38
80	Compact source of narrow-band counterpropagating polarization-entangled photon pairs using a single dual-periodically-poled crystal. Physical Review A, 2011, 84, .	1.0	38
81	Multiplexed Holograms by Surface Plasmon Propagation and Polarized Scattering. Nano Letters, 2017, 17, 5051-5055.	4.5	38
82	Dirac semimetal saturable absorber with actively tunable modulation depth. Optics Letters, 2019, 44, 582.	1.7	38
83	Controlling Thermal Emission by Parity-Symmetric Fano Resonance of Optical Absorbers in Metasurfaces. ACS Photonics, 2019, 6, 2671-2676.	3.2	36
84	Nanotube mode-locked, wavelength and pulsewidth tunable thulium fiber laser. Optics Express, 2019, 27, 3518.	1.7	35
85	Robust and Broadband Optical Coupling by Topological Waveguide Arrays. Laser and Photonics Reviews, 2020, 14, 1900193.	4.4	35
86	Graphene-based plasmonic modulator on a groove-structured metasurface. Optics Letters, 2017, 42, 2247.	1.7	34
87	Hybrid Solar Absorberâ€“Emitter by Coherenceâ€Enhanced Absorption for Improved Solar Thermophotovoltaic Conversion. Advanced Optical Materials, 2018, 6, 1800813.	3.6	33
88	Metamaterials: artificial materials beyond nature. National Science Review, 2018, 5, 131-131.	4.6	32
89	Nonlinear Beam Shaping in Domain Engineered Ferroelectric Crystals. Advanced Materials, 2020, 32, e1903775.	11.1	32
90	Second-harmonic generation and manipulation in lithium niobate slab waveguides by grating metasurfaces. Photonics Research, 2020, 8, 1296.	3.4	32

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91	Manipulating guided wave radiation with integrated geometric metasurface. Nanophotonics, 2022, 11, 1923-1930.	2.9	32
92	Broadband photocarrier dynamics and nonlinear absorption of PLD-grown WTe2 semimetal films. Applied Physics Letters, 2018, 112, .	1.5	31
93	Phase-Matching Controlled Orbital Angular Momentum Conversion in Periodically Poled Crystals. Physical Review Letters, 2020, 125, 143901.	2.9	31
94	Multichannel nonlinear holography in a two-dimensional nonlinear photonic crystal. Physical Review A, 2020, 102, .	1.0	30
95	Metamaterials: From fundamental physics to intelligent design. , 2023, 2, 5-29.		30
96	Controlling Surface Plasmons Through Covariant Transformation of the Spin-Dependent Geometric Phase Between Curved Metamaterials. Physical Review Letters, 2018, 120, 243901.	2.9	29
97	Polaron influence on the third-order nonlinear optical susceptibility in cylindrical quantum wires. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 62-66.	1.3	28
98	Optical properties of (Mn, Co) co-doped ZnO films prepared by dual-radio frequency magnetron sputtering. Thin Solid Films, 2006, 515, 2361-2365.	0.8	28
99	In operando plasmonic monitoring of electrochemical evolution of lithium metal. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11168-11173.	3.3	28
100	Silver Nano-Dendrite-Plated Porous Silicon Substrates Formed by Single-Step Electrochemical Synthesis for Surface-Enhanced Raman Scattering. ACS Applied Nano Materials, 2020, 3, 3011-3018.	2.4	27
101	Heterogeneously integrated, superconducting silicon-photonic platform for measurement-device-independent quantum key distribution. Advanced Photonics, 2021, 3, .	6.2	27
102	Generation and Conversion Dynamics of Dual Bessel Beams with a Photonic Spin-Dependent Dielectric Metasurface. Physical Review Applied, 2021, 15, .	1.5	26
103	Quasi-phase-matched harmonic generation through coupled parametric processes in a quasiperiodic optical superlattice. Journal of Applied Physics, 1998, 84, 6911-6916.	1.1	24
104	Resonance amplification of left-handed transmission at optical frequencies by stimulated emission of radiation in active metamaterials. Optics Express, 2008, 16, 20974.	1.7	24
105	Quantum waveâ€“particle superposition in a delayed-choice experiment. Nature Photonics, 2019, 13, 872-877.	15.6	24
106	Highly Efficient Metasurface Quarterâ€Wave Plate with Wave Front Engineering. Advanced Photonics Research, 2021, 2, 2000154.	1.7	24
107	Compact polarization-entangled photon-pair source based on a dual-periodically-poled Ti:LiNbO₃ waveguide. Optics Letters, 2019, 44, 5598.	1.7	22
108	Nonlinear optical characterization of a generalized Fibonacci optical superlattice. Applied Physics Letters, 1999, 75, 448-450.	1.5	21

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109	Cerenkov third-harmonic generation via cascaded Ï‡^(2) processes in a periodic-poled LiTaO_3 waveguide. Optics Letters, 2011, 36, 1227.	1.7	21
110	Periodically poled LiNbO3 crystals from 1D and 2D to 3D. Science China Technological Sciences, 2020, 63, 1110-1126.	2.0	21
111	Light rays and waves on geodesic lenses. Photonics Research, 2019, 7, 1266.	3.4	21
112	Waveguide Superlattice-Based Optical Phased Array. Physical Review Applied, 2021, 15, .	1.5	20
113	Subwavelength self-imaging in cascaded waveguide arrays. Advanced Photonics, 2020, 2, 1.	6.2	20
114	Slowing down photocarrier relaxation in Dirac semimetal Cd₃As₂ via Mn doping. Optics Letters, 2019, 44, 4103.	1.7	20
115	Angle-Resolved Thermal Emission Spectroscopy Characterization of Non-Hermitian Metacrystals. Physical Review Applied, 2020, 13, .	1.5	19
116	Phonon-polaritons in quasiperiodic piezoelectric superlattices. Applied Physics Letters, 2004, 85, 3531-3533.	1.5	18
117	Two-Dimensional Hole-Array Grating-Coupling-Based Excitation of Bloch Surface Waves for Highly Sensitive Biosensing. Nanoscale Research Letters, 2019, 14, 319.	3.1	18
118	Large-area long-wave infrared broadband all-dielectric metasurface absorber based on maskless laser direct writing lithography. Optics Express, 2022, 30, 13391.	1.7	18
119	Second-harmonic and third-harmonic generation in a three-component fibonacci optical superlattice. Journal of Physics Condensed Matter, 2000, 12, 529-537.	0.7	17
120	Stable Gain-Switched Thulium Fiber Laser With 140-nm Tuning Range. IEEE Photonics Technology Letters, 2016, 28, 1340-1343.	1.3	17
121	Near-stoichiometric LiNbO3 crystal grown using the Czochralski method from Li-rich melt. Materials Letters, 2004, 58, 3119-3121.	1.3	16
122	Pseudo-magnetic-field and effective spin-orbit interaction for a spin-1/2 particle confined to a curved surface. Physical Review A, 2018, 98, .	1.0	16
123	Exceptional cones in 4D parameter space. Optics Express, 2020, 28, 1758.	1.7	16
124	Ultra-broadband and low-loss edge coupler for highly efficient second harmonic generation in thin-film lithium niobate. , 2022, 1, .		16
125	Growth and characterization of Mg-doped near stoichiometric LiNbO3 crystal. Journal of Crystal Growth, 2004, 262, 313-316.	0.7	15
126	Simulation of massless Dirac dynamics in plasmonic waveguide arrays. Optics Express, 2018, 26, 13416.	1.7	15

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127	Control the orbital angular momentum in third-harmonic generation using quasi-phase-matching. Optics Express, 2018, 26, 17563.	1.7	15
128	Towards the standardization of quantum state verification using optimal strategies. Npj Quantum Information, 2020, 6, .	2.8	15
129	Gaugeâ€Induced Floquet Topological States in Photonic Waveguides. Laser and Photonics Reviews, 2021, 15, 2000584.	4.4	15
130	Plasmonic switch based on composite interference in metallic strip waveguides. Laser and Photonics Reviews, 2014, 8, L47.	4.4	14
131	Experimental Parity-Time Symmetric Quantum Walks for Centrality Ranking on Directed Graphs. Physical Review Letters, 2020, 125, 240501.	2.9	14
132	Narrow-linewidth single-polarization fiber laser using non-polarization optics. Optics Letters, 2021, 46, 3769.	1.7	14
133	20 GHz actively mode-locked thulium fiber laser. Optics Express, 2018, 26, 25769.	1.7	14
134	Domain inversion by Li2O out-diffusion or proton exchange followed by heat treatment in LiTaO3 and LiNbO3. Physica Status Solidi A, 1996, 153, 275-279.	1.7	13
135	Tunable third harmonic generation of vortex beams in an optical superlattice. Optics Express, 2017, 25, 30820.	1.7	13
136	Realization of photonic charge-2 Dirac point by engineering super-modes in topological superlattices. Communications Physics, 2020, 3, .	2.0	13
137	Advances in Chipâ€Scale Quantum Photonic Technologies. Advanced Quantum Technologies, 2021, 4, .	1.8	13
138	Acoustic superlattices and ultrasonic waves excited by crossed-field scheme. Materials Letters, 1996, 28, 503-505.	1.3	12
139	Coupled magnetic resonator optical waveguides. Laser and Photonics Reviews, 2013, 7, 882-900.	4.4	12
140	Quantum simulation of particle pair creation near the event horizon. National Science Review, 2020, 7, 1476-1484.	4.6	12
141	Generation and Tunability of Supermodes in Tamm Plasmon Topological Superlattices. ACS Photonics, 2021, 8, 2095-2102.	3.2	12
142	Probing Rotated Weyl Physics on Nonlinear Lithium Niobate-on-Insulator Chips. Physical Review Letters, 2021, 127, 013901.	2.9	12
143	Simulating quantum field theory in curved spacetime with quantum many-body systems. Physical Review Research, 2020, 2, .	1.3	12
144	Highly sensitive refractive index sensor based on Bloch surface waves with lithium niobate film. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	12

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145	Second-order quasi-phase-matched blue light generation in a bulk periodically poled LiTaO3. Journal Physics D: Applied Physics, 1995, 28, 2389-2391.	1.3	11
146	Study on the growth facets and ferroelectric domains in near-stoichiometric LiNbO3 crystals. Journal of Crystal Growth, 2004, 262, 240-245.	0.7	11
147	Controlled Strain on a Double-Templated Textured Polymer Film:â€‰ a New Approach to Patterned Surfaces with Bravais Lattices and Chains. Langmuir, 2006, 22, 7248-7253.	1.6	11
148	Omnidirectional negative refraction with wide bandwidth introduced by magnetic coupling in a tri-rod structure. Physical Review B, 2007, 76, .	1.1	11
149	Ferromagnetism in Mn and Sb co-doped ZnO films. Journal of Physics Condensed Matter, 2008, 20, 425207.	0.7	11
150	Hybridization effect in coupled metamaterials. Frontiers of Physics in China, 2010, 5, 277-290.	1.0	11
151	Linear optical quantum computation with imperfect entangled photon-pair sources and inefficient nonâ€“photon-number-resolving detectors. Physical Review A, 2010, 81, .	1.0	11
152	Ultrafast fabrication of high-aspect-ratio macropores in P-type silicon: toward the mass production of microdevices. Materials Research Letters, 2018, 6, 648-654.	4.1	11
153	Epitaxial Ba_2NaNb_5O_15 thin film by pulsed laser deposition and its waveguide properties. Optics Letters, 1995, 20, 291.	1.7	10
154	Domain inversion in LiNbO3 and LiTaO3 induced by proton exchange. Physica B: Condensed Matter, 2007, 398, 151-158.	1.3	10
155	Conformal Singularities and Topological Defects from Inverse Transformation Optics. Physical Review Applied, 2019, 11, .	1.5	10
156	Narrow-linewidth self-injection locked diode laser with a high-Q fiber Fabryâ€“Perot resonator. Optics Letters, 2021, 46, 1397.	1.7	10
157	Observation of frequency-uncorrelated photon pairs generated by counter-propagating spontaneous parametric down-conversion. Scientific Reports, 2021, 11, 12628.	1.6	10
158	Quasi-phase-matched generation of tunable blue light in a quasi-periodic structure. Optics Letters, 2004, 29, 95.	1.7	9
159	Growth, conductivity and periodic poled structure of doped KTiOPO4 and its analogue crystals. Optical Materials, 2006, 28, 355-359.	1.7	9
160	Mode-coupling Cerenkov sum-frequency-generation in a multimode planar waveguide. Applied Physics Letters, 2010, 97, 161112.	1.5	9
161	Conical third-harmonic generation in a hexagonally poled LiTaO3 crystal. Applied Physics Letters, 2017, 110, .	1.5	9
162	Manipulation of tripartite frequency correlation under extended phase matchings. Physical Review A, 2018, 97, .	1.0	9

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163	A compact and high efficiency intracavity OPO based on periodically poled lithium niobate. Scientific Reports, 2021, 11, 5079.	1.6	9
164	Simulating the escape of entangled photons from the event horizon of black holes in nonuniform optical lattices. Physical Review A, 2021, 103, .	1.0	9
165	Double-bowl state in photonic Dirac nodal line semimetal. Light: Science and Applications, 2021, 10, 170.	7.7	9
166	Nonlinear generation of a neat semi-Gaussian laser beam with a transversely varying periodically-poled LiTaO_3 crystal. Optics Express, 2011, 19, 5297.	1.7	8
167	Active control of electromagnetic radiation through an enhanced thermo-optic effect. Scientific Reports, 2015, 5, 8835.	1.6	8
168	Conformal Landscape of a Two-Dimensional Gradient Refractive-Index Profile for Geometrical Optics. Physical Review Applied, 2020, 13, .	1.5	8
169	Electrically Switchable and Flexible Color Displays Based on All-Dielectric Nanogratings. ACS Applied Nano Materials, 2021, 4, 7182-7190.	2.4	8
170	Laguerre-Gaussian transform for rotating image processing. Optics Express, 2020, 28, 26898.	1.7	8
171	Lithium-plasmon-based low-powered dynamic color display. National Science Review, 2023, 10, .	4.6	8
172	The mechanism for domain inversion in LiNbO3by proton exchange and rapid heat treatment. Journal of Physics Condensed Matter, 1995, 7, 1437-1440.	0.7	7
173	Optical bistability in periodically poled induced by cascaded second-order non-linearity and the electro-optic effect. Journal of Physics Condensed Matter, 1998, 10, 8939-8945.	0.7	7
174	Laser performance of Nd:YAG at 946nm and frequency doubling with periodically poled LiTaO3. Journal of Crystal Growth, 2006, 292, 337-340.	0.7	7
175	Reply to 'The merits of plasmonic desalination'. Nature Photonics, 2017, 11, 70-71.	15.6	7
176	WSe2/Pd Schottky diode combining van der Waals integrated and evaporated metal contacts. Applied Physics Letters, 2021, 119, .	1.5	7
177	Field-induced periodic poled bulk using Al electrodes. Journal Physics D: Applied Physics, 1996, 29, 76-79.	1.3	6
178	Crossed field excitation of an acoustic superlattice. Journal Physics D: Applied Physics, 1996, 29, 185-187.	1.3	6
179	Emission and cavity-field spectra in a cascade three-level system interacting with a single-mode field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 4309-4320.	0.6	6
180	The gain effect in a magnetic plasmon waveguide. Applied Physics Letters, 2010, 96, 113103.	1.5	6

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181	Compact generation of polarization-frequency hyperentangled photon pairs by using quasi-phase-matched lithium niobate. Optics Communications, 2012, 285, 5549-5553.	1.0	6
182	On-chip engineering of high-dimensional path-entangled states in a quadratic coupled-waveguide system. Physical Review A, 2019, 99, .	1.0	6
183	Plasmonâ€Assisted Broadband Allâ€Optical Control of Highly Intense Femtosecond Laser by Weak Continuousâ€Wave Laser. Advanced Optical Materials, 2020, 8, 2000560.	3.6	6
184	Cavity-enhanced metallic metalens with improved Efficiency. Scientific Reports, 2020, 10, 417.	1.6	6
185	Narrowband photonic quantum entanglement with counterpropagating domain engineering. Photonics Research, 2021, 9, 1998.	3.4	6
186	Wavelength-dependent multifunctional metalens devices via genetic optimization. Optical Materials Express, 2021, 11, 3908.	1.6	6
187	Incommensurate phase in barium sodium niobate: Thermal-analysis study. Physical Review B, 1993, 47, 15280-15282.	1.1	5
188	Analytical Expression for the Fourier Spectrum of a Quasiperiodic Fibonacci Superlattice with k Components (k ? 3). Physica Status Solidi (B): Basic Research, 2002, 229, 1275-1282.	0.7	5
189	Fabrication of periodic domain structure in Î²â€²-Gd2(MoO4)3 crystal. Journal of Crystal Growth, 2002, 243, 185-189.	0.7	5
190	Pulsed laser deposition optical waveguiding Bi3TiNbO9 thin films on fused silica. Thin Solid Films, 2005, 473, 296-299.	0.8	5
191	Optical Anisotropic Properties of m-Plane GaN Film Grown by Metalorganic Chemical Vapor Deposition. Journal of Rare Earths, 2007, 25, 356-359.	2.5	5
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