

Jingjun Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9617927/publications.pdf>

Version: 2024-02-01

237
papers

5,378
citations

94381

37
h-index

118793

62
g-index

244
all docs

244
docs citations

244
times ranked

4955
citing authors

#	ARTICLE	IF	CITATIONS
1	Li ⁺ doping induced zero-thermal quenching in Cs ₃ Zn ₆ Eu ³⁺ /Li ⁺ (0.10, 0.06, 0.16). Journal of Rare Earths, 2023, 41, 1478-1486.	2.5	1
2	Robust and low cost in-fiber acousto-optic Mach-Zehnder interferometer and its application in dual-wavelength laser. Applied Optics, 2022, 61, 22-27.	0.9	0
3	Strain regulated interlayer coupling in WSe ₂ /WS ₂ heterobilayer. Nanotechnology, 2022, 33, 085705.	1.3	5
4	Oxygen vacancy content drives self-reduction and anti-thermal quenching. Journal of Materials Chemistry C, 2022, 10, 4317-4326.	2.7	20
5	Strong in-plane scattering of acoustic graphene plasmons by surface atomic steps. Nature Communications, 2022, 13, 983.	5.8	6
6	Intense Luminescence and Good Thermal Stability in a Mn ²⁺ -Activated Mg-Based Phosphor with Self-Reduction. Inorganic Chemistry, 2022, 61, 5495-5501.	1.9	13
7	All-optical modulation of quantum states by nonlinear metasurface. Light: Science and Applications, 2022, 11, 58.	7.7	21
8	Domain-Wall p-n Junction in Lithium Niobate Thin Film on an Insulator. Physical Review Applied, 2022, 17, .	1.5	9
9	Topologically tuned terahertz confinement in a nonlinear photonic chip. Light: Science and Applications, 2022, 11, .	7.7	12
10	Intelligent metasurfaces can recognize objects. Light: Science and Applications, 2022, 11, .	7.7	1
11	Microdisk lasers on an erbium-doped lithium-niobate chip. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	63
12	Intrinsic and extrinsic defects build a novel mechanoluminescent phosphor Na ₂ MgGeO ₄ :Mn ²⁺ . Journal of Materials Chemistry C, 2021, 9, 3513-3521.	2.7	28
13	Construction of a novel mechanoluminescent phosphor Li ₂ MgGeO ₄ :Mn ²⁺ by defect control. Dalton Transactions, 2021, 50, 8803-8810.	1.6	16
14	Compact Dynamic In-Fiber Acoustically-Induced Mach-Zehnder Interferometer Based on Phase Mismatch and Its Application in a Tunable and Switchable Dual-Wavelength Laser. Journal of Lightwave Technology, 2021, 39, 3539-3545.	2.7	4
15	Bandwidth Tunable Filter Based on Ideal Quasi-Critical Coupling State in WGM Cavity. Journal of Lightwave Technology, 2021, 39, 6547-6552.	2.7	5
16	Crack-free femtosecond laser processing of lithium niobate benefited by high substrate temperature. Journal of Applied Physics, 2021, 129, 063102.	1.1	2
17	Electro-optic lithium niobate metasurfaces. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	32
18	Designing a Family of Aluminum-Containing Fluoroborate Crystals with Enhanced Birefringence and Second-Harmonic Generation Coefficients Based on the First-Principles Methods. Journal of Physical Chemistry C, 2021, 125, 7431-7438.	1.5	3

#	ARTICLE	IF	CITATIONS
19	Machine learning powered ellipsometry. <i>Light: Science and Applications</i> , 2021, 10, 55.	7.7	36
20	Optically addressed spatial light modulator based on nonlinear metasurface. <i>Photonics Research</i> , 2021, 9, 610.	3.4	8
21	Nonlinear Lithium Niobate Metasurfaces for Second Harmonic Generation. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000521.	4.4	57
22	Nonlinear tuning of PT symmetry and non-Hermitian topological states. <i>Science</i> , 2021, 372, 72-76.	6.0	157
23	Wavepacket Self-Rotation and Helical Zitterbewegung in Symmetry-Broken Honeycomb Lattices. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000563.	4.4	6
24	Lone-pair electron effect induced a rapid photorefractive response in site-controlled LiNbO ₃ :Bi,M (M =) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	4
25	Observation of "Frozen" Phase-Propagation of THz Pulses in a Dispersive Optical System. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000591.	4.4	5
26	All-Fiber Frequency Shifter Based on an Acousto-Optic Tunable Filter Cascaded with a Tapered Fiber-Coupled Microcavity. <i>Crystals</i> , 2021, 11, 497.	1.0	2
27	Optical pulling force arising from nonparaxial accelerating beams. <i>Physical Review A</i> , 2021, 103, .	1.0	8
28	Giant enhancement of THz-frequency optical nonlinearity by phonon polariton in ionic crystals. <i>Nature Communications</i> , 2021, 12, 3183.	5.8	29
29	Nonlinear Control of PT-symmetry and Topological States. , 2021, , .		0
30	Direct visualization of on-chip THz topological states. , 2021, , .		0
31	Defect-Induced Self-Reduction and Anti-Thermal Quenching in NaZn(PO ₃) ₃ :Mn ²⁺ Red Phosphor. <i>Advanced Optical Materials</i> , 2021, 9, 2100870.	3.6	69
32	Nanoinfrared Characterization of Bilayer Graphene Conductivity under Dual-Gate Tuning. <i>Nano Letters</i> , 2021, 21, 5151-5157.	4.5	8
33	Integrated lithium niobate single-mode lasers by the Vernier effect. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	36
34	Unveiling the Link between Airy-like Self-Acceleration and Diametric Drive Acceleration. <i>Physical Review Letters</i> , 2021, 127, 083901.	2.9	9
35	Nonlinear control of photonic higher-order topological bound states in the continuum. <i>Light: Science and Applications</i> , 2021, 10, 164.	7.7	77
36	Topological Valley Transport of Terahertz Phonon-Polaritons in a LiNbO ₃ Chip. <i>ACS Photonics</i> , 2021, 8, 2737-2745.	3.2	13

#	ARTICLE	IF	CITATIONS
37	Topologically Enhanced Circular Dichroism from Metasurfaces. <i>Physical Review Applied</i> , 2021, 16, .	1.5	4
38	Linewidth narrowing of aluminum breathing plasmon resonances in Bragg grating decorated nanodisks. <i>Nanoscale Advances</i> , 2021, 3, 4286-4291.	2.2	2
39	THz Nonlinearity Enhancement by Phonon Polaritons in Ionic Crystals. , 2021, , .		0
40	Realization of Second-Order Photonic Square-Root Topological Insulators. <i>ACS Photonics</i> , 2021, 8, 3308-3314.	3.2	19
41	Bessel-modulated autofocusing beams for optimal trapping implementation. <i>Physical Review A</i> , 2021, 104, .	1.0	11
42	Self-Reduction-Related Defects, Long Afterglow, and Mechanoluminescence in Centrosymmetric $\text{Li}_2\text{ZnGeO}_4\text{:Mn}^{2+}$. <i>Inorganic Chemistry</i> , 2021, 60, 18432-18441.	1.9	33
43	Transfer matrix method for light propagation in variable complex chiral media. <i>Physical Review E</i> , 2021, 104, 064702.	0.8	5
44	Coin Paradox Spin-Orbit Interaction Enhances Magneto-Optical Effect and Its Application in On-Chip Integrated Optical Isolator. <i>Nanoscale Research Letters</i> , 2021, 16, 175.	3.1	0
45	Tailorable Dynamics in Nonlinear Optical Metasurfaces. <i>Advanced Materials</i> , 2020, 32, e1806317.	11.1	40
46	Polarization-modified Fano line shape spectrum with a single whispering gallery mode. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	8
47	Recent Progress in Lithium Niobate: Optical Damage, Defect Simulation, and On-Chip Devices. <i>Advanced Materials</i> , 2020, 32, e1806452.	11.1	137
48	p-Type conductivity mechanism and defect structure of nitrogen-doped LiNbO_3 from first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20-27.	1.3	8
49	Ultrastrong coupling of CdZnS/ZnS quantum dots to bonding breathing plasmons of aluminum metal-insulator-metal nanocavities in near-ultraviolet spectrum. <i>Nanoscale</i> , 2020, 12, 3112-3120.	2.8	9
50	Lattice Collective Interaction Engineered Optical Activity in Metamaterials. <i>Advanced Optical Materials</i> , 2020, 8, 1901435.	3.6	14
51	The dark current suppression of black silicon photodetector by a lateral heterojunction. <i>Optical Materials</i> , 2020, 110, 110474.	1.7	8
52	Unveiling Chiral Phase Evolution in Rabi Oscillations from a Photonic Setting. <i>Physical Review Letters</i> , 2020, 125, 123201.	2.9	3
53	Nontrivial coupling of light into a defect: the interplay of nonlinearity and topology. <i>Light: Science and Applications</i> , 2020, 9, 147.	7.7	74
54	Nano-Domains Produced through a Two-Step Poling Technique in Lithium Niobate on Insulators. <i>Materials</i> , 2020, 13, 3617.	1.3	2

#	ARTICLE	IF	CITATIONS
55	Direct Reading of the Nonlinear Optical Response via Spatial Mapping. <i>Physical Review Applied</i> , 2020, 14, .	1.5	3
56	Phase-Transition Optical Activity in Chiral Metamaterials. <i>Physical Review Letters</i> , 2020, 125, 237401.	2.9	7
57	Intuitive model of exceptional points in an optical whispering-gallery microcavity perturbed by nanoparticles. <i>Physical Review A</i> , 2020, 101, .	1.0	7
58	Black Silicon Photodetector with Excellent Comprehensive Properties by Rapid Thermal Annealing and Hydrogenated Surface Passivation. <i>Advanced Optical Materials</i> , 2020, 8, 1901808.	3.6	60
59	Improvement on Thermal Stability of Nano-Domains in Lithium Niobate Thin Films. <i>Crystals</i> , 2020, 10, 74.	1.0	7
60	Intense green elasto-mechanoluminescence from $\text{KZn}(\text{PO}_3)_3:\text{Tb}^{3+}$. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	14
61	Intercellular Bridge Mediates Ca^{2+} Signals between Micropatterned Cells via IP_3 and Ca^{2+} Diffusion. <i>Biophysical Journal</i> , 2020, 118, 1196-1204.	0.2	6
62	Universal momentum-to-real-space mapping of topological singularities. <i>Nature Communications</i> , 2020, 11, 1586.	5.8	20
63	Interstitial oxygen defect induced mechanoluminescence in $\text{KCa}(\text{PO}_3)_3:\text{Mn}^{2+}$. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6587-6594.	2.7	25
64	Giant nonlinearity of THz waves mediated by photon-phonon strong coupling. , 2020, , .		3
65	Spontaneous diametric-drive acceleration initiated by a single beam in a photonic lattice. <i>Optics Letters</i> , 2020, 45, 3175.	1.7	3
66	Second-harmonic generation and its nonlinear depolarization from lithium niobate thin films. <i>Optics Letters</i> , 2020, 45, 145.	1.7	12
67	Second-harmonic generation using d_{33} in periodically poled lithium niobate microdisk resonators. <i>Photonics Research</i> , 2020, 8, 311.	3.4	51
68	Low threshold random lasing in dye-doped and strongly disordered chiral liquid crystals. <i>Photonics Research</i> , 2020, 8, 642.	3.4	15
69	Advances in on-chip photonic devices based on lithium niobate on insulator. <i>Photonics Research</i> , 2020, 8, 1910.	3.4	183
70	Photonic flat-band lattices and unconventional light localization. <i>Nanophotonics</i> , 2020, 9, 1161-1176.	2.9	56
71	Cavity-cavity coupling based on a terahertz rectangular subwavelength waveguide. <i>Journal of Applied Physics</i> , 2019, 126, 063103.	1.1	3
72	Rhein inhibits ATP-triggered inflammatory responses in rheumatoid rat fibroblast-like synoviocytes. <i>International Immunopharmacology</i> , 2019, 75, 105780.	1.7	26

#	ARTICLE	IF	CITATIONS
73	Hypotonic Stress Induces Fast, Reversible Degradation of the Vimentin Cytoskeleton via Intracellular Calcium Release. <i>Advanced Science</i> , 2019, 6, 1900865.	5.6	19
74	A graphene Pâ€N junction induced by single-gate control of dielectric structures. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8796-8802.	2.7	6
75	Robust propagation of pin-like optical beam through atmospheric turbulence. <i>APL Photonics</i> , 2019, 4, 076103.	3.0	42
76	Synthesis, structure and characterization of M(IO ₃) ₂ (HIO ₃) (M =) Tj ETQq0.0.0 rgBT /Overlock 1 Transactions, 2019, 48, 13074-13080.	1.6	7
77	Growth and theoretical study on the deep-ultraviolet transparent Pb^{2+} -CsBa ₂ (PO ₃) ₅ nonlinear optical crystal. <i>CrystEngComm</i> , 2019, 21, 4690-4695.	1.3	8
78	High-Performance Free-Standing Flexible Photodetectors Based on Sulfur-Hyperdoped Ultrathin Silicon. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42385-42391.	4.0	27
79	Enhancement of Photorefraction in Vanadium-Doped Lithium Niobate through Iron and Zirconium Co-Doping. <i>Materials</i> , 2019, 12, 3143.	1.3	5
80	Superâ€Resolution Microscopy: Hypotonic Stress Induces Fast, Reversible Degradation of the Vimentin Cytoskeleton via Intracellular Calcium Release (Adv. Sci. 18/2019). <i>Advanced Science</i> , 2019, 6, 1970112.	5.6	0
81	Experimental observed plasmon near-field response in isolated suspended graphene resonators. <i>Nanotechnology</i> , 2019, 30, 505201.	1.3	4
82	Graphene Plasmonic Tamm States with Ultracompact Footprint. <i>Physical Review Applied</i> , 2019, 12, .	1.5	8
83	Fabrication and Characteristics of Heavily Fe-Doped LiNbO ₃ /Si Heterojunction. <i>Materials</i> , 2019, 12, 2659.	1.3	6
84	Broadband on-Chip Terahertz Asymmetric Waveguiding via Phase-Gradient Metasurface. <i>ACS Photonics</i> , 2019, 6, 1774-1779.	3.2	27
85	Real-time dynamic holographic display realized by bismuth and magnesium co-doped lithium niobate. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	13
86	Coexistence of self-reduction from Mn ⁴⁺ to Mn ²⁺ and elástico-mechanoluminescence in diphase KZn(PO ₃) ₃ :Mn ²⁺ . <i>Journal of Materials Chemistry C</i> , 2019, 7, 7096-7103.	2.7	43
87	The Photorefractive Response of Zn and Mo Codoped LiNbO ₃ in the Visible Region. <i>Crystals</i> , 2019, 9, 228.	1.0	8
88	Enhanced on-chip terahertz sensing with hybrid metasurface/lithium niobate structures. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	22
89	Optical force-induced nonlinearity and self-guiding of light in human red blood cell suspensions. <i>Light: Science and Applications</i> , 2019, 8, 31.	7.7	49
90	P-Type Lithium Niobate Thin Films Fabricated by Nitrogen-Doping. <i>Materials</i> , 2019, 12, 819.	1.3	13

#	ARTICLE	IF	CITATIONS
91	Valley Vortex States and Degeneracy Lifting via Photonic Higher-Band Excitation. Physical Review Letters, 2019, 122, 123903.	2.9	24
92	Microfluidic assemblies designed for assessment of drug effects on deformability of human erythrocytes. Biochemical and Biophysical Research Communications, 2019, 512, 303-309.	1.0	9
93	Lithium Niobate Metasurfaces. Laser and Photonics Reviews, 2019, 13, 1800312.	4.4	52
94	Uniform deep-subwavelength ripples produced on temperature controlled LiNbO ₃ :Fe crystal surface via femtosecond laser ablation. Applied Surface Science, 2019, 478, 779-783.	3.1	21
95	Enhance stable coupling region of a high-Q WGM up to micrometer. Applied Physics Letters, 2019, 115, .	1.5	6
96	Giant Tunable Circular Dichroism of Large-Area Extrinsic Chiral Metal Nanocrescent Arrays. Nanoscale Research Letters, 2019, 14, 388.	3.1	16
97	Optical Control of Spatial Riemann Waves and Burgers' Equation Dynamics. , 2019, , .		0
98	Linear Tuning of Phase-Matching Temperature in LiNbO ₃ :Zr Crystals by MgO Co-Doping. Materials, 2019, 12, 4155.	1.3	0
99	Regulation of intracellular Ca ²⁺ /CaMKII signaling by TRPV4 membrane translocation during osteoblastic differentiation. Biophysics Reports, 2019, 5, 254-263.	0.2	6
100	Visualizing a Nonlinear Response in a Schrödinger Wave. Physical Review Letters, 2019, 123, 234101.	2.9	13
101	Effect of Defects on Spontaneous Polarization in Pure and Doped LiNbO ₃ : First-Principles Calculations. Materials, 2019, 12, 100.	1.3	19
102	On-chip plasmon-induced transparency in THz metamaterial on a LiNbO ₃ subwavelength planar waveguide. Optics Express, 2019, 27, 7373.	1.7	10
103	Polarization-resolved edge states in terahertz topological photonic crystal. Optics Express, 2019, 27, 22819.	1.7	21
104	Optical generation and control of spatial Riemann waves. Optics Letters, 2019, 44, 3542.	1.7	8
105	Coherent propulsion with negative-mass fields in a photonic lattice. Optics Letters, 2019, 44, 5949.	1.7	8
106	Guiding and routing of a weak signal via a reconfigurable gravity-like potential. Photonics Research, 2019, 7, 1087.	3.4	4
107	Real-space mapping of mid-infrared near-field of Yagi-Uda antenna in the emission mode. Optics Express, 2019, 27, 5884.	1.7	3
108	10.1063/1.5107460.1. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
109	Spatiotemporal Characteristics of Intercellular Calcium Wave Communication in Micropatterned Assemblies of Single Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2937-2945.	4.0	9
110	Giant circular dichroism of large-area extrinsic chiral metal nanorecents. <i>Scientific Reports</i> , 2018, 8, 3351.	1.6	19
111	Cathodoluminescence nanoscopy of open single-crystal aluminum plasmonic nanocavities. <i>Nanoscale</i> , 2018, 10, 22357-22361.	2.8	9
112	Dichroic Optical Diode Transmission in Two Dislocated Parallel Metallic Gratings. <i>Nanoscale Research Letters</i> , 2018, 13, 392.	3.1	12
113	Quasicritical coupling in a few-mode tapered-fiber coupled whispering-gallery-mode system. <i>Physical Review A</i> , 2018, 98, .	1.0	11
114	Unconventional Flatband Line States in Photonic Lieb Lattices. <i>Physical Review Letters</i> , 2018, 121, 263902.	2.9	96
115	Enhanced photorefractive properties of indium co-doped LiNbO ₃ :Mo crystals. <i>AIP Advances</i> , 2018, 8, .	0.6	5
116	Coupling of Defect Modes in Cholesteric Liquid Crystals Separated by Isotropic Polymeric Layers. <i>Polymers</i> , 2018, 10, 805.	2.0	12
117	Observation of spatial optical diametric drive acceleration in photonic lattices. <i>Optics Letters</i> , 2018, 43, 118.	1.7	14
118	Nanoscale beam splitters based on gradient metasurfaces. <i>Optics Letters</i> , 2018, 43, 267.	1.7	70
119	Observation of microscale nonparaxial optical bottle beams. <i>Optics Letters</i> , 2018, 43, 3878.	1.7	12
120	Near-field imaging of graphene triangles patterned by helium ion lithography. <i>Nanotechnology</i> , 2018, 29, 385205.	1.3	9
121	Evolution and Coupling of Plasmonic Modes in Single-Crystal Aluminum Nanoridge Antennas. <i>ACS Photonics</i> , 2018, 5, 2983-2989.	3.2	8
122	Room temperature 90° phase-matching in zirconium and magnesium co-doped lithium niobate crystals. <i>Scientific Reports</i> , 2018, 8, 3865.	1.6	4
123	Analysis of the structure and abnormal photoluminescence of a red-emitting LiMgBO ₃ :Mn ²⁺ phosphor. <i>Dalton Transactions</i> , 2018, 47, 13094-13105.	1.6	20
124	Femtosecond laser-induced periodic surface structures on lithium niobate crystal benefiting from sample heating. <i>Photonics Research</i> , 2018, 6, 789.	3.4	23
125	Periodically poled lithium niobate whispering gallery mode microcavities on a chip. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	2.0	32
126	Unidirectional Optical Transmission in a Single-Layer Metallic Grating Consisting of Cambered Resonators. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.	1.0	1

#	ARTICLE	IF	CITATIONS
127	Propagation of THz pulses in rectangular subwavelength dielectric waveguides. Journal of Applied Physics, 2018, 123, .	1.1	7
128	Selective Polarization Modification of Upconversion Luminescence of NaYF ₄ :Yb ³⁺ ,Er ³⁺ Nanoparticles by Plasmonic Nanoantenna Arrays. Journal of Physical Chemistry C, 2018, 122, 15666-15672.	1.5	18
129	Hypotonic stress promotes ATP release, reactive oxygen species production and cell proliferation via TRPV4 activation in rheumatoid arthritis rat synovial fibroblasts. Biochemical and Biophysical Research Communications, 2017, 486, 108-115.	1.0	22
130	Vertical microgoblet resonator with high sensitivity fabricated by direct laser writing on a Si substrate. Journal of Applied Physics, 2017, 121, .	1.1	4
131	In-Plane Electrical Connectivity and Near-Field Concentration of Isolated Graphene Resonators Realized by Ion Beams. Advanced Materials, 2017, 29, 1701083.	11.1	18
132	Sm ³⁺ and Eu ³⁺ codoped SrBi ₂ B ₂ O ₇ : a red-emitting phosphor with improved thermal stability. RSC Advances, 2017, 7, 1146-1153.	1.7	43
133	Controllable oscillatory lateral coupling in a waveguide-microdisk-resonator system. Scientific Reports, 2017, 7, 8045.	1.6	8
134	Cherenkov Radiation Control via Self-accelerating Wave-packets. Scientific Reports, 2017, 7, 8695.	1.6	18
135	Protection of the biconcave profile of human erythrocytes against osmotic damage by ultraviolet-A irradiation through membrane-cytoskeleton enhancement. Cell Death Discovery, 2017, 3, 17040.	2.0	5
136	Unveiling quasi-dark surface plasmon modes in Au nanoring cavities by cathodoluminescence. Scientific Reports, 2017, 7, 1402.	1.6	8
137	Structured graphene fabricated by laser direct writing beyond the diffraction limit. , 2017, , .		0
138	Single-block pulse-on electro-optic Q-switch made of LiNbO ₃ . Scientific Reports, 2017, 7, 4651.	1.6	8
139	Surface enhancement of THz wave by coupling a subwavelength LiNbO ₃ slab waveguide with a composite antenna structure. Scientific Reports, 2017, 7, 17602.	1.6	7
140	Efficient generation and frequency modulation of quasi-monochromatic terahertz wave in Lithium Niobate subwavelength waveguide. Optics Express, 2017, 25, 14766.	1.7	5
141	Tunable dual-wavelength fiber laser with unique gain system based on in-fiber acousto-optic Mach-Zehnder interferometer. Optics Express, 2017, 25, 27609.	1.7	23
142	Improvement in the Photorefractive Response Speed and Mechanism of Pure Congruent Lithium Niobate Crystals by Increasing the Polarization Current. Crystals, 2017, 7, 368.	1.0	3
143	Nucleotide transmitters ATP and ADP mediate intercellular calcium wave communication via P2Y _{12/13} receptors among BV-2 microglia. PLoS ONE, 2017, 12, e0183114.	1.1	33
144	Lithium Diffusion in Lithium Niobate Crystals with Different Initial Li ₂ O Content at High Temperature. Journal of the American Ceramic Society, 2016, 99, 3055-3059.	1.9	3

#	ARTICLE	IF	CITATIONS
145	Nanofocusing of the free-space optical energy with plasmonic Tamm states. <i>Scientific Reports</i> , 2016, 6, 39125.	1.6	7
146	Growth, Properties, and Theoretical Analysis of $\text{KBa}_2(\text{PO}_3)_5$ Single Crystal. <i>Crystal Growth and Design</i> , 2016, 16, 5588-5592.	1.4	43
147	Tailorable reflection of surface plasmons in defect engineered graphene. <i>2D Materials</i> , 2016, 3, 045001.	2.0	16
148	Tunable in-fiber Mach-Zehnder interferometer driven by unique acoustic transducer and its application in tunable multi-wavelength laser. <i>Optics Express</i> , 2016, 24, 2406.	1.7	17
149	Photorefractive surface nonlinearly chirped waveguide arrays. <i>Physical Review A</i> , 2016, 93, .	1.0	9
150	The simultaneous enhancement of photorefraction and optical damage resistance in MgO and Bi ₂ O ₃ co-doped LiNbO ₃ crystals. <i>Scientific Reports</i> , 2016, 6, 20308.	1.6	17
151	Crystal growth and optical characteristics of beryllium-free polyphosphate, $\text{KLa}(\text{PO}_3)_4$, a possible deep-ultraviolet nonlinear optical crystal. <i>Scientific Reports</i> , 2016, 6, 25201.	1.6	81
152	Organic-inorganic perovskite plasmonic nanowire lasers with a low threshold and a good thermal stability. <i>Nanoscale</i> , 2016, 8, 19536-19540.	2.8	85
153	Threshold Dependence of Deep- and Near-subwavelength Ripples Formation on Natural MoS ₂ Induced by Femtosecond Laser. <i>Scientific Reports</i> , 2016, 6, 19571.	1.6	17
154	Tunable Band-Stop Filters for Graphene Plasmons Based on Periodically Modulated Graphene. <i>Scientific Reports</i> , 2016, 6, 26796.	1.6	61
155	Nonlocal Immunized Mid-Infrared Magnetic Hot Spots in Graphene Junctions. <i>Plasmonics</i> , 2016, 11, 1481-1486.	1.8	1
156	Fabrication and formation mechanism of p-type lithium niobate crystals by molybdenum doping and polarization. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5886-5891.	1.1	3
157	Crystal Structure of High-Temperature Phase $\hat{\Gamma}^2\text{-NaSrBO}_3$ and Photoluminescence of $\hat{\Gamma}^2\text{-NaSrBO}_3\text{:Ce}^{3+}$. <i>Inorganic Chemistry</i> , 2016, 55, 6487-6495.	1.9	25
158	Mode conversion in a tapered fiber via a whispering gallery mode resonator and its application as add/drop filter. <i>Optics Letters</i> , 2016, 41, 638.	1.7	23
159	Side-wall surface relief gratings for micro-structured liquid crystal alignment. , 2015, , .		0
160	Bending light via adiabatic optical transition in longitudinally modulated photonic lattices. <i>Scientific Reports</i> , 2015, 5, 15805.	1.6	1
161	Photo-Hall effect in highly Mg-doped lithium niobate crystals. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	5
162	Analysis of laser induced oxidation processes with different laser powers. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
163	Lithium–Niobate–Silica Hybrid Whispering-Gallery-Mode Resonators. <i>Advanced Materials</i> , 2015, 27, 8075-8081.	11.1	44
164	The photorefractive characteristics of bismuth-oxide doped lithium niobate crystals. <i>AIP Advances</i> , 2015, 5, 017132.	0.6	13
165	Ultra-broadband femtosecond optical gating system using transient Kerr lens effect. , 2015, , .		0
166	Mode characteristics of silver-coated inverted-wedge silica microdisks. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015, 58, 1.	2.0	5
167	Unveiling pseudospin and angular momentum in photonic graphene. <i>Nature Communications</i> , 2015, 6, 6272.	5.8	125
168	Linearly Polarized Light Emission from Quantum Dots with Plasmonic Nanoantenna Arrays. <i>Nano Letters</i> , 2015, 15, 2951-2957.	4.5	51
169	Growth, Structure, Thermal Properties and Spectroscopic Characteristics of Nd ³⁺ -Doped KGdP ₄ O ₁₂ Crystal. <i>PLoS ONE</i> , 2014, 9, e100922.	1.1	5
170	Tunable Resonances in the Plasmonic Split-Ring Resonator. <i>IEEE Photonics Journal</i> , 2014, 6, 1-6.	1.0	18
171	Dynamical deformed Airy beams with arbitrary angles between two wings. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 1468.	0.8	16
172	Site occupancy and photoluminescence properties of Eu ³⁺ -activated Ba ₂ ZnB ₂ O ₆ phosphor. <i>RSC Advances</i> , 2014, 4, 64244-64251.	1.7	35
173	Quantum correlation of path-entangled two-photon states in waveguide arrays with defects. <i>AIP Advances</i> , 2014, 4, 047117.	0.6	1
174	Lensless imaging based on coherent backscattering in random media. <i>AIP Advances</i> , 2014, 4, 087124.	0.6	1
175	Broadband asymmetric transmission of optical waves from spiral plasmonic metamaterials. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	29
176	Observation of unconventional edge states in $\tilde{\text{ph}}\text{otonic graphene}^{\text{TM}}$. <i>Nature Materials</i> , 2014, 13, 57-62.	13.3	274
177	Growth and properties of a noncentrosymmetric polyphosphate CsLa(PO ₃) ₄ crystal with deep-ultraviolet transparency. <i>CrystEngComm</i> , 2014, 16, 10497-10504.	1.3	87
178	Optical nonlinear dynamics in ZnS from femtosecond laser pulses. <i>AIP Advances</i> , 2014, 4, 057107.	0.6	1
179	Dual Symmetry Breaking in Gold-Silica-Gold Multilayer Nanoshells. <i>Plasmonics</i> , 2014, 9, 1361-1369.	1.8	13
180	Localized Hybrid Plasmon Modes Reversion in Gold–Silica–Gold Multilayer Nanoshells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8581-8587.	1.5	27

#	ARTICLE	IF	CITATIONS
181	Plasmonic analog of electromagnetically induced transparency in planar metamaterials: manipulation and applications. <i>Journal of Modern Optics</i> , 2014, 61, 1679-1684.	0.6	13
182	Temperature-induced labelling of Fluo-3 AM selectively yields brighter nucleus in adherent cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 888-893.	1.0	11
183	Elevation of Extracellular Ca ²⁺ Induces Store-Operated Calcium Entry via Calcium-Sensing Receptors: A Pathway Contributes to the Proliferation of Osteoblasts. <i>PLoS ONE</i> , 2014, 9, e107217.	1.1	47
184	Generation and evolution of plasma during femtosecond laser ablation of silicon in different ambient gases. <i>Laser and Particle Beams</i> , 2013, 31, 539-545.	0.4	13
185	All-fiber tunable Mach-Zehnder interferometer based on an acousto-optic tunable filter cascaded with a tapered fiber. <i>Optics Communications</i> , 2013, 292, 46-48.	1.0	13
186	Microstructured polymer-based substrates with broadband absorption for surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1678-1681.	1.2	5
187	Recent Advances in the Photorefraction of Doped Lithium Niobate Crystals. <i>Materials</i> , 2012, 5, 1954-1971.	1.3	73
188	Tunable add/drop channel coupler based on an acousto-optic tunable filter and a tapered fiber. <i>Optics Letters</i> , 2012, 37, 1241.	1.7	38
189	Symmetry-breaking diffraction and dynamic self-trapping in optically induced hexagonal photonic lattices. <i>Applied Physics Letters</i> , 2012, 100, 061907.	1.5	5
190	Fabrication of Lithium Niobate p-n Junctions. , 2012, , .		0
191	Reshaping the trajectory and spectrum of nonlinear Airy beams. <i>Optics Letters</i> , 2012, 37, 3201.	1.7	54
192	Simulation of Nanoscale Multifunctional Interferometric Logic Gates Based on Coupled Metal Gap Waveguides. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1366-1368.	1.3	16
193	Luminescence and energy transfer of a color tunable phosphor: Dy ³⁺ , Tm ³⁺ , and Eu ³⁺ -coactivated K ₂ Sr ₄ (BO ₃) ₃ for warm white UV LEDs. <i>Journal of Materials Chemistry</i> , 2012, 22, 6463.	6.7	191
194	Giant nonlinear optical activity in a plasmonic metamaterial. <i>Nature Communications</i> , 2012, 3, 833.	5.8	182
195	Investigation on p-type lithium niobate crystals. <i>AIP Advances</i> , 2011, 1, .	0.6	12
196	Multiple incoherent gray photorefractive spatial solitons. <i>Optical and Quantum Electronics</i> , 2011, 42, 277-284.	1.5	4
197	Wavelength dependence of light propagation in a water suspension of anisotropic scatterers. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 1948-1952.	2.0	0
198	Nanostructured Plasmonic Medium for Terahertz Bandwidth All-Optical Switching. <i>Advanced Materials</i> , 2011, 23, 5540-5544.	11.1	169

#	ARTICLE	IF	CITATIONS
199	Upconversion green-light-emitting macroporous Er:LN random laser. , 2011, , .		0
200	Observation of modulated spontaneous emission of Rhodamine 6G in low refractive index contrast 1D-periodic gelatin film. Science China: Physics, Mechanics and Astronomy, 2010, 53, 54-58.	2.0	2
201	Nonlinear optical properties and superluminal propagation in the ruby. Science Bulletin, 2010, 55, 473-477.	1.7	4
202	Controllable excitation of gap plasmons by electron beams in metallic nanowire pairs. Physical Review B, 2010, 82, .	1.1	16
203	Incomplete Brillouin-zone spectra and controlled Bragg reflection with ionic-type photonic lattices. Physical Review A, 2010, 81, .	1.0	21
204	Slow and fast light in photorefractive GaAs-AlGaAs multiple quantum wells in transverse geometry. Journal of Applied Physics, 2010, 108, .	1.1	4
205	Transcription of domain patterns in near-stoichiometric magnesium-doped lithium niobate. Applied Physics Letters, 2010, 97, 201901.	1.5	8
206	Experimental and theoretical analysis of THz-frequency, direction-dependent, phonon polariton modes in a subwavelength, anisotropic slab waveguide. Optics Express, 2010, 18, 26351.	1.7	34
207	Light-induced superlow electric field for domain reversal in near-stoichiometric magnesium-doped lithium niobate. Journal of Applied Physics, 2010, 107, 063514.	1.1	12
208	Ultraviolet photorefractive at 325 nm in doped lithium niobate crystals. Journal of Applied Physics, 2010, 107, .	1.1	26
209	Tunable long-range surface plasmon polaritons taking advantage of nonlinear surface waves. Applied Physics Letters, 2009, 95, 211105.	1.5	8
210	Wide Wavelength-Tunable and Low-Threshold Near-Infrared Optical Parametric Oscillator Using Periodically Poled MgO: LiNbO3 Crystal. , 2009, , .		0
211	Experimental observation of subluminal and superluminal light propagation in rhodamine 6G-doped polymethyl methacrylate. Applied Physics Letters, 2009, 95, 171106.	1.5	4
212	The linear and nonlinear optical effects of white light. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 649-664.	0.2	1
213	Light-induced domain reversal in doped lithium niobate crystals. Journal of Applied Physics, 2009, 105, .	1.1	25
214	Temperature tunable infrared optical parametric generation based on periodically poled MgO:LiNbO3 crystals. Frontiers of Optoelectronics in China, 2008, 1, 109-112.	0.2	1
215	Temperature dependence of photoluminescence of QD arrays. Frontiers of Optoelectronics in China, 2008, 1, 258-262.	0.2	0
216	Temporal development of spatial solitons in biased photorefractive-photovoltaic materials. Journal of Modern Optics, 2008, 55, 1571-1585.	0.6	12

#	ARTICLE	IF	CITATIONS
217	Fast photorefractive response and high sensitivity of Zr and Fe codoped LiNbO ₃ crystals. Applied Physics Letters, 2008, 92, .	1.5	35
218	Transition from bright to dark, and from discrete to gap spatial solitons by varying optical beam orientation. , 2008, , .		0
219	Observation of surface-plasmon-polariton transmission through a silver film sputtered on a photorefractive substrate. Journal of Applied Physics, 2007, 102, 113109.	1.1	6
220	Highly optical damage resistant crystal: Zirconium-oxide-doped lithium niobate. Applied Physics Letters, 2007, 91, .	1.5	120
221	Study of nonlinear absorption in GaAs/AlGaAs multiple quantum wells using the reflection Z-scan. Optical and Quantum Electronics, 2007, 39, 1207-1214.	1.5	6
222	Soliton-induced waveguides in photorefractive photovoltaic materials. Journal of Modern Optics, 2006, 53, 2137-2151.	0.6	7
223	High photorefractive sensitivity and fast response time of near-stoichiometric and MgO doped LiNbO ₃ :Fe crystals. Crystal Research and Technology, 2006, 41, 790-794.	0.6	8
224	Enhanced photorefractive properties of LiNbO ₃ :Fe crystals by HfO ₂ codoping. Applied Physics Letters, 2006, 89, 101126.	1.5	62
225	Nonvolatile two-step, two-color holography with continuous-wave lights for both congruent and near-stoichiometric LiNbO ₃ :Fe. Journal of Applied Physics, 2004, 96, 5405-5414.	1.1	3
226	Nonlinear optical properties of mercury dithizonate in a polymer film. Journal of Modern Optics, 2004, 51, 1671-1677.	0.6	15
227	Near-infrared holographic recording with quasi-nonvolatile readout in LiNbO ₃ :In,Fe. Applied Physics Letters, 2002, 81, 1393-1395.	1.5	15
228	Photorefractive properties of near-stoichiometric LiNbO ₃ grown from congruent melts containing K ₂ O. Journal of Applied Physics, 2001, 90, 1516-1520.	1.1	36
229	The strong cross relaxation of Er ³⁺ and Yb ³⁺ ions in the oxyfluoride glass ceramics. Science Bulletin, 2000, 45, 882-885.	1.7	2
230	Threshold effect for photorefractive light-induced scattering and signal beam amplification in doped LiNbO ₃ crystals. Journal of Applied Physics, 2000, 87, 2684-2690.	1.1	6
231	Ilmenite-like stacking defect in nonstoichiometric lithium niobate crystals investigated by Raman scattering spectra. Journal of Applied Physics, 2000, 87, 4410-4414.	1.1	30
232	The threshold effect of incident light intensity for the photorefractive light-induced scattering in LiNbO ₃ :Fe,M (M=Mg ²⁺ , Zn ²⁺ , In ³⁺) crystals. Journal of Applied Physics, 1998, 83, 4392-4396.	1.1	50
233	Noise suppression for photorefractive image amplification in the LiNbO ₃ :Fe crystal sheet. Applied Physics Letters, 1994, 64, 2332-2334.	1.5	12
234	Growth and self-pumped phase conjugation of Ce ³⁺ -doped KNa(Sr _{0.61} Ba _{0.39}) _{0.9} Nb ₂ O ₆ crystal. Journal of Applied Physics, 1991, 70, 33-35.	1.1	16

#	ARTICLE	IF	CITATIONS
235	Near-infrared holographic recording in LiNbO ₃ :In,Fe with high resistance against readout erasure. , 0, , .		0
236	Periodically poled second harmonic violet light generation in near-stoichiometric MgO-doped lithium niobate. , 0, , .		0
237	Ultraviolet-light-induced nonlinear scattering and self-pumped phase conjugation in LiNbO ₃ :Mg crystals at 351 nm. , 0, , .		0