

Yong-Yuan Jiang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

1,866
citations

21
h-index

34
g-index

182
ext. papers

2,299
ext. citations

3
avg, IF

5.15
L-index

#	Paper	IF	Citations
168	First-Principles Calculations for the Impact of Hydrogenation on the Electron Behavior and Stability of Borophene Nanosheets: Implications for Boron 2D Electronics. <i>ACS Applied Nano Materials</i> , 2022 , 5, 1419-1425	5.6	1
167	Theoretical studies on the two-photon absorption of II-VI semiconductor nano clusters.. <i>Scientific Reports</i> , 2022 , 12, 110	4.9	0
166	Enhanced Phonon Blockade in a Weakly Coupled Hybrid System via Mechanical Parametric Amplification. <i>Physical Review Applied</i> , 2022 , 17,	4.3	1
165	Tunable dual-band metamaterial absorber in the infrared range based on split-ring-groove array.. <i>Applied Optics</i> , 2022 , 61, 471-477	1.7	0
164	Efficient beam manipulation with Huygens-geometric metasurface supporting pure magnetic resonances. <i>Journal of Applied Physics</i> , 2022 , 131, 025303	2.5	1
163	Unselective ground-state blockade of Rydberg atoms for implementing quantum gates. <i>Frontiers of Physics</i> , 2022 , 17, 1	3.7	4
162	Design and simulation of a GST-based metasurface with strong and switchable circular dichroism.. <i>Optics Letters</i> , 2022 , 47, 1907-1910	3	4
161	Unidirectional acoustic metamaterials based on nonadiabatic holonomic quantum transformations. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022 , 65, 1	3.6	1
160	Broadband Controllable Asymmetric Accelerating Beam via Bilayer Binary Acoustic Metasurfaces. <i>Annalen Der Physik</i> , 2022 , 534, 2100208	2.6	0
159	Wavelength-selected bifunctional beam shaping for transmitted acoustic waves via coding metasurface. <i>Applied Acoustics</i> , 2022 , 194, 108786	3.1	2
158	First principles study of photogalvanic effect of monolayer SnS. <i>Nanomaterials and Nanotechnology</i> , 2022 , 12, 184798042210982	2.9	
157	Tunable ultra-high quality factor graphene absorber based on semicylindrical silica array and distributed Bragg reflector structure. <i>AIP Advances</i> , 2022 , 12, 055125	1.5	
156	One-step implementation of Rydberg-antiblockade SWAP and controlled-SWAP gates with modified robustness. <i>Photonics Research</i> , 2021 , 9, 814	6	3
155	Broadband acoustic focusing via binary rectangular cavity/Helmholtz resonator metasurface. <i>Journal of Applied Physics</i> , 2021 , 129, 155307	2.5	4
154	Controlling Tamm phonons using hBN and a distributed Bragg reflector for narrowband refractive index sensing. <i>Applied Optics</i> , 2021 , 60, 4986-4992	1.7	0
153	Giant Out-of-Plane Second Harmonic Generation Susceptibility in Janus Group III Chalcogenide Monolayers. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 11285-11293	3.8	4
152	Electronic structure and optical properties of InSe/AsP van der Waals heterostructure from DFT calculations. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 130, 114674	3	4

151	Graphene-based monoatomic chain spintronics: contact-derived half-metallicity, sp ² vs sp. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 126, 114486	3	
150	Resilient Mimer-Sørensen gate with cavity QED. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021 , 388, 127033	2.3	0
149	High-efficiency optical vortex generation with hybrid all-dielectric geometric-metasurface in visible frequency. <i>Applied Physics Express</i> , 2021 , 14, 012008	2.4	2
148	Photonic topological Weyl degeneracies and ideal type-I Weyl points in the gyromagnetic metamaterials. <i>Physical Review B</i> , 2021 , 103,	3.3	4
147	Electronic Properties of Triangle Molybdenum Disulfide (MoS) Clusters with Different Sizes and Edges. <i>Molecules</i> , 2021 , 26,	4.8	3
146	Large-scale Greenberger-Horne-Zeilinger states through a topologically protected zero-energy mode in a superconducting qutrit-resonator chain. <i>Physical Review A</i> , 2021 , 103,	2.6	2
145	Optimal Control for Robust Photon State Transfer in Optomechanical Systems. <i>Annalen Der Physik</i> , 2021 , 533, 2000608	2.6	5
144	Asymmetric acoustic beam shaping based on monolayer binary metasurfaces. <i>Applied Physics Express</i> , 2021 , 14, 085504	2.4	6
143	The generation of acoustic Airy beam with selective band based on binary metasurfaces: Customized on demand. <i>Applied Physics Letters</i> , 2021 , 119, 071907	3.4	8
142	Topological characteristic of Weyl degeneracies in a reciprocal chiral metamaterials system. <i>New Journal of Physics</i> , 2021 , 23, 093036	2.9	0
141	Resilient quantum gates on periodically driven Rydberg atoms. <i>Physical Review A</i> , 2021 , 103,	2.6	14
140	Tuning of mid-infrared absorption through phonon-plasmon-polariton hybridization in a graphene/hBN/graphene nanodisk array. <i>Optics Express</i> , 2021 , 29, 2288-2298	3.3	4
139	Giant and anisotropic second harmonic generation of VV binary phosphorene derivative with permanent dipole. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 6544-6552	7.1	4
138	Systematic-Error-Tolerant Multiqubit Holonomic Entangling Gates. <i>Physical Review Applied</i> , 2021 , 16,	4.3	3
137	Unveiling 2D Ferroelectricity and Ferromagnetism Interaction in van der Waals Heterobilayers. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 27837-27843	3.8	1
136	Acoustic energy transport characteristics based on amplitude and phase modulation using waveguide array. <i>Journal of Applied Physics</i> , 2020 , 128, 165103	2.5	8
135	Enhancing atom-field interaction in the reduced multiphoton Tavis-Cummings model. <i>Physical Review A</i> , 2020 , 101,	2.6	5
134	Long Radiation Lifetime and Quasi-Isotropic Excitons in Antioxidant VV Binary Phosphorene Allotropes with Intrinsic Dipole. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14787-14796	3.8	2

133	Generation of three-dimensional entanglement between two antiblockade Rydberg atoms with detuning-compensation-induced effective resonance. <i>Laser Physics</i> , 2020 , 30, 045201	1.2	3
132	Two-Path Interference for Enantiomer-Selective State Transfer of Chiral Molecules. <i>Physical Review Applied</i> , 2020 , 13,	4.3	20
131	Nonlinear Wavefront Control by Geometric-Phase Dielectric Metasurfaces: Influence of Mode Field and Rotational Symmetry. <i>Advanced Optical Materials</i> , 2020 , 8, 1902050	8.1	13
130	Multi-qubit phase gate on multiple resonators mediated by a superconducting bus. <i>Optics Express</i> , 2020 , 28, 1954-1969	3.3	14
129	Discrimination of enantiomers through quantum interference and quantum Zeno effect. <i>Optics Express</i> , 2020 , 28, 33475-33489	3.3	8
128	Effective Rabi dynamics of Rydberg atoms and robust high-fidelity quantum gates with a resonant amplitude-modulation field. <i>Optics Letters</i> , 2020 , 45, 1200-1203	3	15
127	Two-dimensional tunable polarization-dependent absorptions for binary and ternary coding. <i>Optical Materials Express</i> , 2020 , 10, 787	2.6	2
126	All-dielectric bifunctional polarization converter with high transmission efficiency in near-infrared region. <i>Applied Optics</i> , 2020 , 59, 3825-3832	1.7	0
125	Enhanced Shift Currents in Monolayer 2D GeS and SnS by Strain-Induced Band Gap Engineering. <i>ACS Omega</i> , 2020 , 5, 17207-17214	3.9	12
124	Highly sensitive gas sensing material for polar gas molecule based on Janus group-III chalcogenide monolayers: A first-principles investigation. <i>Science China Technological Sciences</i> , 2020 , 63, 1566-1576	3.5	2
123	Noise-resistant phase gates with amplitude modulation. <i>Physical Review A</i> , 2020 , 102,	2.6	1
122	Modulation of the electronic band structure of silicene by polar two-dimensional substrates. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 21412-21420	3.6	6
121	Dynamic holographic liquid crystal device containing nanoscale CuPc film. <i>Liquid Crystals</i> , 2019 , 46, 1108-1116	1.6	4
120	Constructing multi-target controlled phase gate in circuit QED and its applications. <i>Europhysics Letters</i> , 2019 , 127, 50002	1.6	2
119	Second harmonic generation in Janus MoSSe a monolayer and stacked bulk with vertical asymmetry. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 21022-21029	3.6	19
118	The influence of coupling between chains on the conductivity of atomic carbon chains. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 2409-2415	2.3	2
117	Modulating phase by metasurfaces with gated ultra-thin TiN films. <i>Nanoscale</i> , 2019 , 11, 11167-11172	7.7	5
116	Quantum phase transitions triggered by a four-level atomic system in dissipative environments. <i>Physical Review A</i> , 2019 , 99,	2.6	5

115	Controllable Dual Hybrid Tamm Plasmon Modes in Binary Gold Nanodisk Arrays and Distributed Bragg Reflector Structure. <i>Plasmonics</i> , 2019 , 14, 1091-1098	2.4	
114	Chiral heteronanotubes: arrangement-dominated chiral interface states and conductivities. <i>Nanoscale</i> , 2019 , 11, 8699-8705	7.7	5
113	Squeezing-Enhanced Atom-Cavity Interaction in Coupled Cavities with High Dissipation Rates. <i>Annalen Der Physik</i> , 2019 , 531, 1900220	2.6	7
112	Robust and highly efficient discrimination of chiral molecules through three-mode parallel paths. <i>Physical Review A</i> , 2019 , 100,	2.6	16
111	Enhancing sensitivity to ambient refractive index with tunable few-layer graphene/hBN nanoribbons. <i>Photonics Research</i> , 2019 , 7, 815	6	14
110	Enhancement of coherent dipole coupling between two atoms via squeezing a cavity mode. <i>Physical Review A</i> , 2019 , 99,	2.6	13
109	Perfect Spin Filtering in Homobimetallic Ni Complex with High Tolerance to Structural Changes. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7842-7849	6.4	3
108	Research on small-scale structures of ice particle density and electron density in the mesopause region. <i>Annales Geophysicae</i> , 2019 , 37, 1079-1094	2	0
107	Metasurface-based angle-selective multichannel acoustic refractor. <i>Applied Physics Express</i> , 2018 , 11, 057301	2.4	4
106	Controllable asymmetric transmission via gap-tunable acoustic metasurface. <i>Applied Physics Letters</i> , 2018 , 112, 173503	3.4	25
105	Influence of dust particles on positive column of DC glow discharge. <i>Journal of Applied Physics</i> , 2018 , 123, 103301	2.5	14
104	A computational study on a multimode spin conductance switching by coordination isomerization in organometallic single-molecule junctions. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 20280-20286	3.6	3
103	Confined dual hybrid states through coupling Tamm plasmon and localized lattice resonance 2018 ,		1
102	Mechanism of mechanically induced optoelectronic and spintronic phase transitions in 1D graphene spirals: insight into the role of interlayer coupling. <i>Nanoscale</i> , 2017 , 9, 9693-9700	7.7	8
101	All-angle Negative Reflection with An Ultrathin Acoustic Gradient Metasurface: Floquet-Bloch Modes Perspective and Experimental Verification. <i>Scientific Reports</i> , 2017 , 7, 13852	4.9	15
100	Implementing stabilizer codes in noisy environments. <i>Physical Review A</i> , 2017 , 96,	2.6	12
99	Noise-induced quantum state transfer in distant cavities. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017 , 50, 175502	1.3	5
98	Experimental realization of all-angle negative refraction in acoustic gradient metasurface. <i>Applied Physics Letters</i> , 2017 , 111, 221602	3.4	35

97	Spatial manipulating spin-polarization and tunneling patterns in graphene spirals via periphery structural modification. <i>Carbon</i> , 2017 , 113, 325-333	10.4	10
96	High-efficiency tunable circular asymmetric transmission using dielectric metasurface integrated with graphene sheet. <i>Optics Express</i> , 2017 , 25, 19732-19739	3.3	27
95	Frequency-tunable and functionality-switchable polarization device using silicon strip array integrated with a graphene sheet. <i>Optical Materials Express</i> , 2017 , 7, 4277	2.6	9
94	All-dielectric circular polarizer with nearly unit transmission efficiency based on cascaded tensor Huygens surface. <i>Optics Express</i> , 2016 , 24, 17738-45	3.3	18
93	Dielectric Huygens ^{RM} Metasurface for High-Efficiency Hologram Operating in Transmission Mode. <i>Scientific Reports</i> , 2016 , 6, 30613	4.9	87
92	Theoretical study of electron tunneling through the spiral molecule junctions along spiral paths. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3765-71	3.6	8
91	Full-color hologram using spatial multiplexing of dielectric metasurface. <i>Optics Letters</i> , 2016 , 41, 147-50	3	98
90	Fast coherent manipulation of quantum states in open systems. <i>Optics Express</i> , 2016 , 24, 21674-83	3.3	11
89	Implementation of Outstanding Electronic Transport in Polar Covalent Boron Nitride Atomic Chains: another Extraordinary Odd-Even Behaviour. <i>Scientific Reports</i> , 2016 , 6, 26389	4.9	9
88	Apparent Negative Reflection with the Gradient Acoustic Metasurface by Integrating Supercell Periodicity into the Generalized Law of Reflection. <i>Scientific Reports</i> , 2016 , 6, 38314	4.9	43
87	Full-angle negative reflection realized by a gradient acoustic metasurface. <i>AIP Advances</i> , 2016 , 6, 115110	1.5	14
86	High-efficiency beam manipulation combining geometric phase with anisotropic Huygens surface. <i>Applied Physics Letters</i> , 2016 , 108, 181102	3.4	16
85	Multiple surface plasmon polaritons modes on thin silver film controlled by a two-dimensional lattice of silver nanodimers. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	3
84	Enhanced near-field radiative heat transfer between a nanosphere and a hyperbolic metamaterial mediated by coupled surface phonon polaritons. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015 , 158, 61-68	2.1	10
83	Multi-band near-field radiative heat transfer between two anisotropic fishnet metamaterials. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015 , 158, 36-42	2.1	10
82	Wide-angle, polarization-independent and dual-band infrared perfect absorber based on L-shaped metamaterial. <i>Optics Express</i> , 2015 , 23, 8670-80	3.3	81
81	Experimental demonstration of sharp Fano resonance within binary gold nanodisk array through lattice coupling effects. <i>Optics Letters</i> , 2015 , 40, 93-6	3	21
80	Two-dimensional electron gas in the KNbO ₃ :Y ultrathin film. <i>Journal of Materials Science</i> , 2015 , 50, 74-78	4.3	2

79	Sharp Fano Resonance within Bi-periodic Silver Particle Array and Its Application as Plasmonic Sensor with Ultra-high Figure of Merit. <i>Plasmonics</i> , 2015 , 10, 469-474	2.4	9
78	Fano resonance based optical modulator reaching 85% modulation depth. <i>Applied Physics Letters</i> , 2015 , 107, 171109	3.4	25
77	Implementation of quantum state manipulation in a dissipative cavity. <i>Scientific Reports</i> , 2015 , 5, 10656	4.9	3
76	Fano resonance in all-dielectric binary nanodisk array realizing optical filter with efficient linewidth tuning. <i>Optics Express</i> , 2015 , 23, 6858-66	3.3	59
75	Pulse Controlled All-Optical Logic Gate Based on Nonlinear Ring Resonator Realizing All Fundamental Logic Operations. <i>Plasmonics</i> , 2015 , 10, 311-317	2.4	12
74	The optical properties of lead-free $\text{KTa}_{1/2}\text{Nb}_{1/2}\text{O}_3:\text{M}$ where $\text{M} = \text{Li, Na, H, Cu, Zn}$. <i>Computational Materials Science</i> , 2014 , 83, 294-297	3.2	3
73	Highly Sensitive Plasmonic Sensor Based on Fano Resonance from Silver Nanoparticle Heterodimer Array on a Thin Silver Film. <i>Plasmonics</i> , 2014 , 9, 499-505	2.4	18
72	Role of surface plasmon polaritons on the enhancement of the near-field thermal radiation from fishnet metamaterial. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 445304	3	11
71	Kerr nonlinearity with vanishing absorption in a left-handed three-level atomic system. <i>Optik</i> , 2014 , 125, 473-476	2.5	
70	Tailored unidirectional spectral responses generated by an asymmetric plasmonic cavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 3067	1.7	3
69	Efficient localization of terahertz waves within a gradient dielectric-filled metallic grating. <i>Applied Physics Express</i> , 2014 , 7, 124301	2.4	3
68	Dipole and quadrupole trapped modes within bi-periodic silicon particle array realizing three-channel refractive sensing. <i>Optics Express</i> , 2014 , 22, 31277-85	3.3	17
67	Plasmonic coupling from silver nanoparticle dimer array mediating surface plasmon resonant enhancement on the thin silver film. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 113, 503-509	1.9	4
66	Distortion-invariant recognition of volume holographic correlator based on morphological algorithm and synthetic discriminant function. <i>Optik</i> , 2013 , 124, 508-511	2.5	
65	First-principles calculations of electronic and optical properties of lead-free $\text{KTa}_{1-x}\text{Nb}_x\text{O}_3$ under high pressure. <i>Computational Materials Science</i> , 2013 , 68, 1-4	3.2	6
64	Controllable Mode Hybridization and Interaction Within a Plasmonic Cavity Formed by Two Bimetallic Gratings. <i>Plasmonics</i> , 2013 , 8, 1387-1394	2.4	7
63	Controllable and enhanced nanojet effects excited by surface plasmon polariton. <i>Applied Physics Letters</i> , 2013 , 102, 171109	3.4	30
62	Enhanced Kerr nonlinearity in a left-handed three-level atomic system driven by a bichromatic field. <i>Chinese Physics B</i> , 2013 , 22, 114204	1.2	1

61	Dual bands of negative refraction with low absorption in a quasi-Four-level left-handed atomic system. <i>Journal of Modern Optics</i> , 2013 , 60, 1234-1239	1.1	
60	Improvement in temperature stability and modified polymorphic phase transition of La-doped (Na _{0.52} K _{0.44} Li _{0.04}) Nb _{0.8} Ta _{0.2} O ₃ lead-free piezoelectric ceramics. <i>Materials Letters</i> , 2012 , 70, 146-148 ^{3,3}		11
59	The influence of EIT effect with double windows on electromagnetic characteristics of quasi-Four-level atomic system. <i>Optics Communications</i> , 2012 , 285, 2161-2165	2	10
58	Holographic grating formation in SiO ₂ nanoparticle-dispersed PQ-PMMA photopolymer. <i>Optics and Laser Technology</i> , 2012 , 44, 882-887	4.2	18
57	Effect of separation on second-order hyperpolarizability of two silver nanoclusters. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 2314-2318	2.3	6
56	Effect of oxygen atmosphere on the structure and refractive index dispersive behavior of KTa _{0.5} Nb _{0.5} O ₃ thin films prepared by PLD on Si(001) substrates. <i>Applied Surface Science</i> , 2012 , 258, 3986-3990	6.7	18
55	Unsupervised visual saliency detection via information content measuring. <i>Electronics Letters</i> , 2012 , 48, 1591-1593	1.1	1
54	Optical magnetic field enhancement through coupling magnetic plasmons to Tamm plasmons. <i>Optics Express</i> , 2012 , 20, 19160-7	3.3	24
53	Computational model for salient object detection with anisotropy. <i>Applied Optics</i> , 2012 , 51, 1742-8	1.7	2
52	Parallel photonic quantum well consisting of photonic crystal containing negative-index material. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 2611	1.7	3
51	Mutual diffusion dynamics with nonlocal response in SiO ₂ nanoparticles dispersed PQ-PMMA bulk photopolymer. <i>Optics Express</i> , 2011 , 19, 13787-92	3.3	34
50	Enhanced magnetic response in a gold nanowire pair array through coupling with Bloch surface waves. <i>Optics Letters</i> , 2011 , 36, 2414-6	3	23
49	Structure and Piezoelectric Properties of Fe-Doped Potassium Sodium Niobate Tantalate Lead-Free Ceramics. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2489-2493	3.8	37
48	Study on holographic characteristics in ZnMA doped PQ-PMMA photopolymer. <i>Optics Communications</i> , 2011 , 284, 2784-2788	2	19
47	Structure and refractive index dispersive behavior of potassium niobate tantalate films prepared by pulsed laser deposition. <i>Applied Surface Science</i> , 2011 , 257, 7221-7225	6.7	20
46	Dark diffusional enhancement of holographic multiplexed gratings in phenanthrenequinone doped poly(methyl methacrylate) photopolymer. <i>Chinese Physics B</i> , 2011 , 20, 114217	1.2	8
45	Diffusional enhancement of volume gratings as an optimized strategy for holographic memory in PQ-PMMA photopolymer. <i>Optics Express</i> , 2010 , 18, 6447-54	3.3	45
44	Defect structure and optical damage resistance of Hf:Fe:LiNbO ₃ crystals with various [Li]/[Nb] ratios. <i>Crystal Research and Technology</i> , 2010 , 45, 249-253	1.3	6

43	Study on the mechanism of dark enhancement in phenanthrenequinone-doped poly(methyl methacrylate) photopolymer for holographic recording. <i>Optics Communications</i> , 2010 , 283, 1707-1710	2	16
42	Holographic storage stability in PQ-PMMA bulk photopolymer. <i>Optics Communications</i> , 2010 , 283, 4219-4223		35
41	Defect structure and optical damage resistance of Hf:Fe:LiNbO ₃ crystals. <i>Optics and Laser Technology</i> , 2010 , 42, 1118-1121	4.2	7
40	Improvement of blue photorefractive properties in In-doped LiNbO ₃ : Fe : Cu crystals. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 115413	3	17
39	Growth and photorefractive properties of near-stoichiometric In:Fe:Cu:LiNbO ₃ crystals. <i>Optics Communications</i> , 2009 , 282, 3149-3152	2	8
38	Characteristics of holographic scattering and its application in determining kinetic parameters in PQ-PMMA photopolymer. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 513-518	1.9	23
37	Decay properties of a two-level atom in a non-resonant damped cavity. <i>Optik</i> , 2009 , 120, 179-182	2.5	1
36	The threshold effect of incident exposure energy flux for photorefractive light-induced scattering in doped lithium niobate crystals. <i>Optical Materials</i> , 2009 , 31, 1678-1683	3.3	18
35	The shift of Bragg angular selectivity curve in darkness in glass-like photopolymer for holographic recording. <i>Optical Materials</i> , 2009 , 32, 261-265	3.3	10
34	Comparison of the higher diffraction order images in methyl-red-doped liquid crystal films. <i>Current Applied Physics</i> , 2009 , 9, 764-768	2.6	3
33	Holographic image storage and multiple hologram storage in a planar Methyl Red-doped liquid crystal film. <i>Applied Optics</i> , 2008 , 47, 2437-42	1.7	10
32	GUIDING CHARACTERISTICS OF AN AIR WAVEGUIDE WITH LEFT-HANDED METAMATERIALS CLADDING. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2008 , 17, 465-471	0.8	1
31	BEAM COUPLING CHARACTERISTICS IN NEMATIC LIQUID CRYSTAL DOPED WITH SILVER NANOPARTICLES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2008 , 17, 377-385	0.8	1
30	Growth and optical properties of paraelectric K _{1-y} NayTa _{1-x} NbxO ₃ single crystals. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 91, 75-78	1.9	23
29	Enhancement of nonvolatile blue photorefractive properties in LiNbO ₃ :In:Fe:Cu crystals. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 92, 83-87	1.9	14
28	Diffraction behavior of an azo-dye-doped nematic liquid crystal without applied electric field. <i>Current Applied Physics</i> , 2008 , 8, 31-35	2.6	10
27	Photorefractive properties of paraelectric potassium lithium tantalate niobate crystal doped with iron. <i>Optics Communications</i> , 2008 , 281, 1720-1724	2	17
26	Photovoltaic solitons in two-photon photorefractive materials under open-circuit conditions. <i>Optics Communications</i> , 2007 , 273, 544-548	2	40

25	The coexistence of TE _m surface waves in uniaxially anisotropic left-handed materials. <i>Optics Communications</i> , 2007 , 276, 196-199	2	4
24	The effect of B site cations on the properties of para-electric KTa _{1/2} Nb _{1/2} O ₃ crystal from first-principles calculations. <i>Physica B: Condensed Matter</i> , 2007 , 400, 212-217	2.8	2
23	Interaction of a weakly relativistic soliton in the magnetized plasma. <i>Physics of Plasmas</i> , 2006 , 13, 052307.1	7	7
22	Non-Markovian decay of a three-level Λ -type atom in a photonic-band-gap reservoir. <i>Physical Review A</i> , 2006 , 73,	2.6	17
21	The dependence of orientational optical nonlinearity in dye-doped liquid-crystal films on the polarization direction of the recording beams. <i>IEEE Journal of Quantum Electronics</i> , 2006 , 42, 651-656	2	10
20	Cylindrical Kadomtsev-Petviashvili equation for relativistically magnetosonic solitary wave in the collisionless plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 355, 386-389 ²⁻³	2.3	19
19	Holographic storage using transmission geometry in Zn:Fe:LiNbO ₃ crystal 2005 , 5966, 143		
18	Grey spatial solitons in photorefractive polymer. <i>Journal of Modern Optics</i> , 2003 , 50, 825-832	1.1	4
17	Incoherently coupled soliton pairs in photorefractive polymer. <i>Optical Materials</i> , 2002 , 19, 377-381	3.3	9
16	Comparisons between two models of the formation of space charge field in photorefractive polymers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 292, 338-348	2.3	2
15	Holographic fabrication of multiple layers of grating inside soda-lime glass with femtosecond laser pulses. <i>Applied Physics Letters</i> , 2002 , 80, 1508-1510	3.4	83
14	Image rotation and amplification based on the photorefractive higher-order grating. <i>Optics and Lasers in Engineering</i> , 2001 , 35, 233-238	4.6	9
13	Double signal phase conjugation with a Cat conjugator. <i>Optics and Laser Technology</i> , 2001 , 33, 435-438	4.2	2
12	Effect of the applied electric field on the steady state and temporary state space-charge field in photorefractive polymers. <i>Journal of Modern Optics</i> , 2001 , 48, 1161-1170	1.1	4
11	Theory of space-charge field with a moving fringe in photorefractive polymers. <i>Journal of Applied Physics</i> , 2001 , 89, 5881-5888	2.5	8
10	Coupled wave analysis of anisotropic self-diffraction in photorefractive materials with an external electric field. <i>Optics Communications</i> , 2000 , 184, 315-320	2	1
9	Kinetics of the formation of space-charge field in photorefractive polymers. <i>Journal of Applied Physics</i> , 2000 , 88, 5562-5569	2.5	18
8	Perturbative analysis of photorefractive fundamental space-charge field with phase modulation at large modulation depths. <i>Optics Communications</i> , 1999 , 168, 409-415	2	

7	Two-dimensional Perturbative Analysis of Slant Grating in Photorefractive Crystals in an External Electric Field. <i>Chinese Physics Letters</i> , 1998 , 15, 423-425	1.8	1
6	Two-dimensional perturbative analysis of photorefractive slant grating 1998 , 3554, 40		
5	Coupled wave analysis of anisotropic conical diffraction in doped (K _{0.5} Na _{0.5}) _{0.2} (Sr _{0.61} Ba _{0.39}) _{0.9} Nb ₂ O ₆ crystals. <i>Journal of Applied Physics</i> , 1997 , 82, 2017-2022	2.5	1
4	Kinetics of the higher-order response of photorefractive materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996 , 13, 2580	1.7	9
3	Dynamic solutions of the photorefractive two-wave coupling at large modulation depths. <i>Optics Communications</i> , 1996 , 132, 128-134	2	6
2	Perturbative analytical solution of two-wave coupling in photorefractive materials at large modulation depth. <i>Journal of Applied Physics</i> , 1996 , 80, 4268-4273	2.5	4
1	Giant Shift Photovoltaic Current in Group V-V Binary Nanosheets. <i>Advanced Theory and Simulations</i> , 2010 , 4, 2100472	4.72	0