

List of Publications by Citations

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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.

262 papers	12,349 citations	53 h-index	104 g-index
294 ext. papers	14,611 ext. citations	6.5 avg, IF	6.6 L-index

#	Paper	IF	Citations
262	11.4% Efficiency non-fullerene polymer solar cells with trialkylsilyl substituted 2D-conjugated polymer as donor. <i>Nature Communications</i> , 2016 , 7, 13651	17.4	822
261	Parity-Time symmetry and variable optical isolation in active-passive-coupled microresonators. <i>Nature Photonics</i> , 2014 , 8, 524-529	33.9	665
260	Measurement of Dispersive Properties of Electromagnetically Induced Transparency in Rubidium Atoms. <i>Physical Review Letters</i> , 1995 , 74, 666-669	7.4	584
259	Electromagnetically induced transparency in ladder-type inhomogeneously broadened media: Theory and experiment. <i>Physical Review A</i> , 1995 , 51, 576-584	2.6	527
258	Monolithic all-perovskite tandem solar cells with 24.8% efficiency exploiting comproportionation to suppress Sn(II) oxidation in precursor ink. <i>Nature Energy</i> , 2019 , 4, 864-873	62.3	463
257	Two-Photon-Pumped Perovskite Semiconductor Nanocrystal Lasers. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3761-8	16.4	407
256	Enhanced Kerr nonlinearity via atomic coherence in a three-level atomic system. <i>Physical Review Letters</i> , 2001 , 87, 073601	7.4	384
255	An In Situ Simultaneous Reduction-Hydrolysis Technique for Fabrication of TiO ₂ -Graphene 2D Sandwich-Like Hybrid Nanosheets: Graphene-Promoted Selectivity of Photocatalytic-Driven Hydrogenation and Coupling of CO ₂ into Methane and Ethane. <i>Advanced Functional Materials</i> , 2013 , 23, 1743-1749	15.6	318
254	Cathode engineering with perylene-diimide interlayer enabling over 17% efficiency single-junction organic solar cells. <i>Nature Communications</i> , 2020 , 11, 2726	17.4	236
253	Superior Optical Properties of Perovskite Nanocrystals as Single Photon Emitters. <i>ACS Nano</i> , 2015 , 9, 12410-6	16.7	234
252	The Talbot effect: recent advances in classical optics, nonlinear optics, and quantum optics. <i>Advances in Optics and Photonics</i> , 2013 , 5, 83	16.7	230
251	Electromagnetically induced grating: Homogeneously broadened medium. <i>Physical Review A</i> , 1998 , 57, 1338-1344	2.6	230
250	High Efficiency Polymer Solar Cells with Efficient Hole Transfer at Zero Highest Occupied Molecular Orbital Offset between Methylated Polymer Donor and Brominated Acceptor. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1465-1474	16.4	228
249	Side Chain Engineering on Medium Bandgap Copolymers to Suppress Triplet Formation for High-Efficiency Polymer Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1703344	24	182
248	Probing Carrier Transport and Structure-Property Relationship of Highly Ordered Organic Semiconductors at the Two-Dimensional Limit. <i>Physical Review Letters</i> , 2016 , 116, 016602	7.4	180
247	Propagation Dynamics of a Light Beam in a Fractional Schrödinger Equation. <i>Physical Review Letters</i> , 2015 , 115, 180403	7.4	177
246	Observation of Parity-Time Symmetry in Optically Induced Atomic Lattices. <i>Physical Review Letters</i> , 2016 , 117, 123601	7.4	171

245	Controlling optical bistability in a three-level atomic system. <i>Physical Review A</i> , 2003 , 67,	2.6	168
244	All-Small-Molecule Nonfullerene Organic Solar Cells with High Fill Factor and High Efficiency over 10%. <i>Chemistry of Materials</i> , 2017 , 29, 7543-7553	9.6	164
243	Simplified synthetic routes for low cost and high photovoltaic performance n-type organic semiconductor acceptors. <i>Nature Communications</i> , 2019 , 10, 519	17.4	153
242	Phase segregation due to ion migration in all-inorganic mixed-halide perovskite nanocrystals. <i>Nature Communications</i> , 2019 , 10, 1088	17.4	150
241	Nonlinear Talbot effect. <i>Physical Review Letters</i> , 2010 , 104, 183901	7.4	132
240	Experimental demonstration of a three-dimensional lithium niobate nonlinear photonic crystal. <i>Nature Photonics</i> , 2018 , 12, 596-600	33.9	117
239	Highly Flexible and Efficient All-Polymer Solar Cells with High-Viscosity Processing Polymer Additive toward Potential of Stretchable Devices. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13277-13282	16.4	117
238	Over 14% efficiency all-polymer solar cells enabled by a low bandgap polymer acceptor with low energy loss and efficient charge separation. <i>Energy and Environmental Science</i> , 2020 , 13, 5017-5027	35.4	117
237	Achieving Fast Charge Separation and Low Nonradiative Recombination Loss by Rational Fluorination for High-Efficiency Polymer Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1905480	24	113
236	Charge Separation from an Intra-Moiety Intermediate State in the High-Performance PM6:Y6 Organic Photovoltaic Blend. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12751-12759	16.4	105
235	Slow Auger Recombination of Charged Excitons in Nonblinking Perovskite Nanocrystals without Spectral Diffusion. <i>Nano Letters</i> , 2016 , 16, 6425-6430	11.5	104
234	PT symmetry in a fractional Schrödinger equation. <i>Laser and Photonics Reviews</i> , 2016 , 10, 526-531	8.3	97
233	Core-shell amorphous cobalt phosphide/cadmium sulfide semiconductor nanorods for exceptional photocatalytic hydrogen production under visible light. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1598-1602	13.2	94
232	Two-photon dynamics in coherent Rydberg atomic ensemble. <i>Physical Review Letters</i> , 2014 , 112, 133606	7.4	91
231	Bright-Exciton Fine-Structure Splittings in Single Perovskite Nanocrystals. <i>Physical Review Letters</i> , 2017 , 119, 026401	7.4	90
230	Photoluminescence upconversion in colloidal CdTe quantum dots. <i>Physical Review B</i> , 2003 , 68,	3.3	89
229	Interacting multiwave mixing in a five-level atomic system. <i>Physical Review A</i> , 2008 , 77,	2.6	74
228	Controlled Correlation and Squeezing in Pr ³⁺ :Y ₂ SiO ₅ to Yield Correlated Light Beams. <i>Physical Review Applied</i> , 2017 , 7,	4.3	72

227	Diffraction-free beams in fractional Schrödinger equation. <i>Scientific Reports</i> , 2016 , 6, 23645	4.9	69
226	Modified self-Kerr-nonlinearity in a four-level N-type atomic system. <i>Physical Review A</i> , 2011 , 84,	2.6	68
225	Time-resolved photoluminescence properties of CuInS ₂ /ZnS nanocrystals: Influence of intrinsic defects and external impurities. <i>Journal of Applied Physics</i> , 2012 , 111, 124314	2.5	67
224	Electromagnetically induced Talbot effect. <i>Applied Physics Letters</i> , 2011 , 98, 081108	3.4	67
223	PT-symmetric optical potentials in a coherent atomic medium. <i>Physical Review A</i> , 2013 , 88,	2.6	66
222	Fluorescence lifetime of Mn-doped ZnSe quantum dots with size dependence. <i>Applied Physics Letters</i> , 2008 , 92, 241111	3.4	66
221	Cavity-Free Optical Isolators and Circulators Using a Chiral Cross-Kerr Nonlinearity. <i>Physical Review Letters</i> , 2018 , 121, 203602	7.4	66
220	Demonstration of a chip-based optical isolator with parametric amplification. <i>Nature Communications</i> , 2016 , 7, 13657	17.4	65
219	Rational construction of a CdS/reduced graphene oxide/TiO ₂ core-shell nanostructure as an all-solid-state Z-scheme system for CO ₂ photoreduction into solar fuels. <i>RSC Advances</i> , 2015 , 5, 88409-88413	3.7	61
218	Composition-Dependent Energy Splitting between Bright and Dark Excitons in Lead Halide Perovskite Nanocrystals. <i>Nano Letters</i> , 2018 , 18, 2074-2080	11.5	59
217	Ultrafast Channel II process induced by a 3-D texture with enhanced acceptor order ranges for high-performance non-fullerene polymer solar cells. <i>Energy and Environmental Science</i> , 2018 , 11, 2569-2580	35.4	59
216	Photonic Floquet topological insulators in atomic ensembles. <i>Laser and Photonics Reviews</i> , 2015 , 9, 331-338	3.8	58
215	Efficient nonlinear beam shaping in three-dimensional lithium niobate nonlinear photonic crystals. <i>Nature Communications</i> , 2019 , 10, 4193	17.4	56
214	Efficient plasmon-hot electron conversion in Ag-CsPbBr ₃ hybrid nanocrystals. <i>Nature Communications</i> , 2019 , 10, 1163	17.4	54
213	Fabrication and photoluminescence of SiC quantum dots stemming from 3C, 6H, and 4H polytypes of bulk SiC. <i>Applied Physics Letters</i> , 2012 , 101, 131906	3.4	54
212	Efficient energy transfer between four-wave-mixing and six-wave-mixing processes via atomic coherence. <i>Physical Review A</i> , 2008 , 77,	2.6	54
211	Controlled steady-state switching in optical bistability. <i>Applied Physics Letters</i> , 2003 , 83, 1301-1303	3.4	54
210	Feasible D1AD2A Random Copolymers for Simultaneous High-Performance Fullerene and Nonfullerene Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1702166	21.8	53

209	Mo-O bond doping and related-defect assisted enhancement of photoluminescence in monolayer MoS ₂ . <i>AIP Advances</i> , 2014 , 4, 123004	1.5	52
208	Observation of enhancement and suppression in four-wave mixing processes. <i>Applied Physics Letters</i> , 2009 , 95, 041103	3.4	52
207	Atomic optical bistability in two- and three-level systems: perspectives and prospects. <i>Journal of Modern Optics</i> , 2010 , 57, 1196-1220	1.1	51
206	Controlling four-wave mixing and six-wave mixing in a multi-Zeeman-sublevel atomic system with electromagnetically induced transparency. <i>Physical Review A</i> , 2009 , 79,	2.6	49
205	Electronic structure transformation from a quantum-dot to a quantum-wire system: Photoluminescence decay and polarization of colloidal CdSe quantum rods. <i>Applied Physics Letters</i> , 2002 , 81, 4829-4831	3.4	48
204	Photo-oxidation-enhanced coupling in densely packed CdSe quantum-dot films. <i>Applied Physics Letters</i> , 2003 , 83, 162-164	3.4	46
203	Magnetic dipolar interaction between correlated triplets created by singlet fission in tetracene crystals. <i>Nature Communications</i> , 2015 , 6, 8602	17.4	45
202	A Covalently Linked Tetracene Trimer: Synthesis and Singlet Exciton Fission Property. <i>Organic Letters</i> , 2017 , 19, 580-583	6.2	44
201	Tin-Based Perovskite with Improved Coverage and Crystallinity through Tin-Fluoride-Assisted Heterogeneous Nucleation. <i>Advanced Optical Materials</i> , 2018 , 6, 1700615	8.1	44
200	Second-order Talbot effect with entangled photon pairs. <i>Physical Review A</i> , 2009 , 80,	2.6	42
199	Dynamical phonon laser in coupled active-passive microresonators. <i>Physical Review A</i> , 2016 , 94,	2.6	41
198	High Color Rendering Index Hybrid III-Nitride/Nanocrystals White Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2016 , 26, 36-43	15.6	41
197	Nonclassical light generation via a four-level inverted-Y system. <i>Physical Review A</i> , 2008 , 77,	2.6	40
196	Wide-bandwidth high-frequency electro-optic modulator based on periodically poled LiNbO ₃ . <i>Applied Physics Letters</i> , 2001 , 78, 1035-1037	3.4	40
195	Ultrafast hole transfer mediated by polaron pairs in all-polymer photovoltaic blends. <i>Nature Communications</i> , 2019 , 10, 398	17.4	39
194	Quantum noise effects with Kerr-nonlinearity enhancement in coupled gain-loss waveguides. <i>Physical Review A</i> , 2015 , 91,	2.6	39
193	Unveiling the Link Between Fractional Schrödinger Equation and Light Propagation in Honeycomb Lattice. <i>Annalen Der Physik</i> , 2017 , 529, 1700149	2.6	37
192	Control of multitransparency windows via dark-state phase manipulation. <i>Physical Review A</i> , 2010 , 81,	2.6	37

- 191 Controlled spatial beam splitter using four-wave-mixing images. *Physical Review A*, **2009**, 80, 2.6 35
- 190 Sub-Shot-Noise laser Doppler Anemometry with Amplitude-Squeezed Light. *Physical Review Letters*, **1997**, 78, 3105-3108 7.4 35
- 189 Observation of discrete diffraction patterns in an optically induced lattice. *Optics Express*, **2015**, 23, 19773-19782 3.82 34
- 188 Observation of edge solitons in photonic graphene. *Nature Communications*, **2020**, 11, 1902 17.4 34
- 187 Carrier Multiplication in a Single Semiconductor Nanocrystal. *Physical Review Letters*, **2016**, 116, 106404 7.4 34
- 186 Enhanced intensity-difference squeezing via energy-level modulations in hot atomic media. *Physical Review A*, **2017**, 96, 2.6 33
- 185 Dressed Gain from the Parametrically Amplified Four-Wave Mixing Process in an Atomic Vapor. *Scientific Reports*, **2015**, 5, 15058 4.9 32
- 184 Engineering biphoton wave packets with an electromagnetically induced grating. *Physical Review A*, **2010**, 82, 2.6 32
- 183 Transmission Nonreciprocity in a Mutually Coupled Circulating Structure. *Physical Review Letters*, **2018**, 120, 203904 7.4 32
- 182 Electro-optic switch in ferroelectric thin films mediated by surface plasmons. *Applied Physics Letters*, **2006**, 88, 143512 3.4 30
- 181 Optical Gain from Biexcitons in CsPbBr Nanocrystals Revealed by Two-dimensional Electronic Spectroscopy. *Journal of Physical Chemistry Letters*, **2019**, 10, 1251-1258 6.4 30
- 180 Parity-Time-Symmetric Optical Lattice with Alternating Gain and Loss Atomic Configurations. *Laser and Photonics Reviews*, **2018**, 12, 1800155 8.3 29
- 179 Particlelike Behavior of Topological Defects in Linear Wave Packets in Photonic Graphene. *Physical Review Letters*, **2019**, 122, 233905 7.4 28
- 178 On-chip chiral single-photon interface: Isolation and unidirectional emission. *Physical Review A*, **2019**, 99, 2.6 28
- 177 Insights into constitutional isomeric effects on donor-acceptor intermolecular arrangements in non-fullerene organic solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 18468-18479 13 28
- 176 Parametrically amplified bright-state polariton of four- and six-wave mixing in an optical ring cavity. *Scientific Reports*, **2014**, 4, 3619 4.9 27
- 175 Radiation Pressure Cooling as a Quantum Dynamical Process. *Physical Review Letters*, **2017**, 118, 233604 7.4 27
- 174 Controlling subluminal to superluminal behavior of group velocity with squeezed reservoir. *Physical Review A*, **2005**, 72, 2.6 27

173	Coupling between semiconductor quantum dots and two-dimensional surface plasmons. <i>Physical Review B</i> , 2005 , 72,	3.3	27
172	Atomic coherence induced Kerr nonlinearity enhancement in Rb vapour. <i>Journal of Modern Optics</i> , 2002 , 49, 335-347	1.1	27
171	Singlet exciton fission in a linear tetracene tetramer. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3245-3253.	3.1	26
170	Observation of electromagnetically induced Talbot effect in an atomic system. <i>Physical Review A</i> , 2018 , 97,	2.6	26
169	Far-field second-harmonic fingerprint of twinning in single ZnO rods. <i>Physical Review B</i> , 2008 , 77,	3.3	26
168	Realization of controllable photonic molecule based on three ultrahigh-Q microtoroid cavities. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600178	8.3	25
167	Electromagnetically induced spatial nonlinear dispersion of four-wave mixing. <i>Physical Review A</i> , 2009 , 80,	2.6	25
166	Generating Controllable Laguerre-Gaussian Laser Modes Through Intracavity Spin-Orbital Angular Momentum Conversion of Light. <i>Physical Review Applied</i> , 2019 , 11,	4.3	25
165	Optical Bloch oscillation and Zener tunneling in an atomic system. <i>Optica</i> , 2017 , 4, 571	8.6	24
164	Four-wave-mixing gap solitons. <i>Physical Review A</i> , 2010 , 82,	2.6	24
163	Nonradiative Triplet Loss Suppressed in Organic Photovoltaic Blends with Fluoridated Nonfullerene Acceptors. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4359-4366	16.4	24
162	Coherent optical phonon oscillation and possible electronic softening in WTe ₂ crystals. <i>Scientific Reports</i> , 2016 , 6, 30487	4.9	24
161	Parity-time symmetry in optical microcavity systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018 , 51, 222001	1.3	24
160	Series of ZnSn(OH) Polyhedra: Enhanced CO Dissociation Activation and Crystal Facet-Based Homo Junction Boosting Solar Fuel Synthesis. <i>Inorganic Chemistry</i> , 2017 , 56, 5704-5709	5.1	23
159	Quantum Interference in a Single Perovskite Nanocrystal. <i>Nano Letters</i> , 2019 , 19, 4442-4447	11.5	23
158	Ultralow-Threshold Single-Mode Lasing from Phase-Pure CdSe/CdS Core/Shell Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4968-4976	6.4	23
157	Mott behavior in K _x Fe ₂ /Se ₂ superconductors studied by pump-probe spectroscopy. <i>Physical Review B</i> , 2014 , 89,	3.3	23
156	Polarization-dependent exciton dynamics in tetracene single crystals. <i>Journal of Chemical Physics</i> , 2014 , 141, 244303	3.9	23

155	Spin-orbit coupling in photonic graphene. <i>Optica</i> , 2020 , 7, 455	8.6	23
154	Optomechanically tuned electromagnetically induced transparency-like effect in coupled optical microcavities. <i>Applied Physics Letters</i> , 2016 , 109, 261106	3.4	23
153	Photon antibunching in a cluster of giant CdSe/CdS nanocrystals. <i>Nature Communications</i> , 2018 , 9, 1536	17.4	22
152	Orbital angular momentum-enhanced measurement of rotation vibration using a Sagnac interferometer. <i>Optics Express</i> , 2018 , 26, 1997-2005	3.3	22
151	Generation of robust tripartite entanglement with a single-cavity optomechanical system. <i>Physical Review A</i> , 2017 , 95,	2.6	22
150	Sensing and tracking enhanced by quantum squeezing. <i>Photonics Research</i> , 2019 , 7, A14	6	22
149	Ultrafast Carrier Dynamics and Efficient Triplet Generation in Black Phosphorus Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 12972-12978	3.8	21
148	Transport properties in the photonic super-honeycomb lattice & hybrid fermionic and bosonic system. <i>Annalen Der Physik</i> , 2017 , 529, 1600258	2.6	21
147	Large optical nonlinearity induced by singlet fission in pentacene films. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6222-6	16.4	21
146	De novo design of Au(SR) nanoclusters. <i>Nature Communications</i> , 2020 , 11, 3349	17.4	21
145	Cyclic permutation-time symmetric structure with coupled gain-loss microcavities. <i>Physical Review A</i> , 2015 , 91,	2.6	20
144	Broadband two-dimensional electronic spectroscopy in an actively phase stabilized pump-probe configuration. <i>Optics Express</i> , 2017 , 25, 21115-21126	3.3	20
143	Phase Modulation in Rydberg Dressed Multi-Wave Mixing processes. <i>Scientific Reports</i> , 2015 , 5, 10462	4.9	20
142	All-optically controlled fourth- and sixth-order fluorescence processes of Pr ³⁺ :YSO. <i>Applied Physics Letters</i> , 2014 , 104, 051912	3.4	20
141	Generation of multipartite continuous-variable entanglement via atomic spin wave. <i>Physical Review A</i> , 2012 , 85,	2.6	20
140	Demonstration of an erbium-doped microsphere laser on a silicon chip. <i>Laser Physics Letters</i> , 2013 , 10, 105809	1.5	20
139	Generation of correlated and anticorrelated multiple fields via atomic spin coherence. <i>Physical Review A</i> , 2012 , 85,	2.6	20
138	Directly generating orbital angular momentum in second-harmonic waves with a spirally poled nonlinear photonic crystal. <i>Applied Physics Letters</i> , 2017 , 110, 261104	3.4	19

137	Dark-state polaritons using spontaneously generated coherence. <i>European Physical Journal D</i> , 2005 , 35, 547-551	1.3	19
136	Frequency detuning and power dependence of reflection from an electromagnetically induced absorption grating. <i>Journal of Modern Optics</i> , 2005 , 52, 2365-2371	1.1	19
135	Kerr frequency combs in large-size, ultra-high-Q toroid microcavities with low repetition rates [Invited]. <i>Photonics Research</i> , 2017 , 5, B54	6	18
134	On-Chip Optical Nonreciprocity Using an Active Microcavity. <i>Scientific Reports</i> , 2016 , 6, 38972	4.9	18
133	Diffraction interference induced superfocusing in nonlinear Talbot effect. <i>Scientific Reports</i> , 2014 , 4, 6134	4.9	17
132	Controlling enhancement and suppression of four-wave mixing via polarized light. <i>Physical Review A</i> , 2010 , 81,	2.6	17
131	Nonlinear optical absorption and refraction of epitaxial Ba _{0.6} Sr _{0.4} TiO ₃ thin films on (001) MgO substrates. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 82, 443-447	1.9	17
130	Energy Transfer of Biexcitons in a Single Semiconductor Nanocrystal. <i>Nano Letters</i> , 2016 , 16, 2492-6	11.5	17
129	Brillouin-Kerr Soliton Frequency Combs in an Optical Microresonator. <i>Physical Review Letters</i> , 2021 , 126, 063901	7.4	17
128	Single-Mode Lasing from "Giant" CdSe/CdS Core-Shell Quantum Dots in Distributed Feedback Structures. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13293-13303	9.5	16
127	The Impact of Carrier Transport Confinement on the Energy Transfer Between InGaN/GaN Quantum-Well Nanorods and Colloidal Nanocrystals. <i>Advanced Functional Materials</i> , 2012 , 22, 3146-3152	15.6	16
126	Visible Kerr comb generation in a high-Q silica microdisk resonator with a large wedge angle. <i>Photonics Research</i> , 2019 , 7, 573	6	16
125	Free-triplet generation with improved efficiency in tetracene oligomers through spatially separated triplet pair states. <i>Nature Chemistry</i> , 2021 , 13, 559-567	17.6	16
124	Squeezing-enhanced fiber Mach-Zehnder interferometer for low-frequency phase measurement. <i>Applied Physics Letters</i> , 2017 , 110, 021106	3.4	15
123	Mass sensing by detecting the quadrature of a coupled light field. <i>Physical Review A</i> , 2017 , 96,	2.6	15
122	Electromagnetically Induced Entanglement. <i>Scientific Reports</i> , 2015 , 5, 13609	4.9	15
121	Theory of nonlinear Talbot effect. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 275	1.7	15
120	Controlling dynamic instability of three-level atoms inside an optical ring cavity. <i>Physical Review A</i> , 2004 , 70,	2.6	15

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| 119 | Polarization spectroscopy of InGaAs/GaAs quantum wires grown on (331)B GaAs templates with nanoscale fluctuations. <i>Journal of Applied Physics</i> , 2004 , 95, 1609-1611 | 2.5 | 15 |
| 118 | Demonstration of ultralow-threshold 2 micrometer microlasers on chip. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015 , 58, 1 | 3.6 | 14 |
| 117 | Chip-Based Optical Isolator and Nonreciprocal Parity-Time Symmetry Induced by Stimulated Brillouin Scattering. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900278 | 8.3 | 14 |
| 116 | Nonlinear Density Dependence of Singlet Fission Rate in Tetracene Films. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3462-7 | 6.4 | 14 |
| 115 | Second-order susceptibilities of ZnO nanorods from forward second-harmonic scattering. <i>Journal of Applied Physics</i> , 2009 , 105, 063531 | 2.5 | 14 |
| 114 | Enhanced dipole-dipole interaction of CdSe/CdS nanocrystal quantum dots inside a planar microcavity. <i>Applied Physics Letters</i> , 2006 , 89, 113114 | 3.4 | 14 |
| 113 | Inhomogeneous Biexciton Binding in Perovskite Semiconductor Nanocrystals Measured with Two-Dimensional Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 10173-10181 | 6.4 | 14 |
| 112 | Quantum-confined stark effect in the ensemble of phase-pure CdSe/CdS quantum dots. <i>Nanoscale</i> , 2019 , 11, 12619-12625 | 7.7 | 13 |
| 111 | Excitation-tailored dual-color emission of manganese(II)-doped perovskite nanocrystals. <i>Applied Physics Letters</i> , 2019 , 114, 041902 | 3.4 | 13 |
| 110 | Continuous-variable entanglement generation using a hybrid PT-symmetric system. <i>Physical Review A</i> , 2017 , 96, | 2.6 | 13 |
| 109 | Demonstration of an ultra-low-threshold phonon laser with coupled microtoroid resonators in vacuum. <i>Photonics Research</i> , 2017 , 5, 73 | 6 | 13 |
| 108 | Two-photon excited photoluminescence of single perovskite nanocrystals. <i>Journal of Chemical Physics</i> , 2019 , 151, 154201 | 3.9 | 12 |
| 107 | Analysis of a triple-cavity photonic molecule based on coupled-mode theory. <i>Physical Review A</i> , 2017 , 95, | 2.6 | 12 |
| 106 | Quantum limits for cascaded optical parametric amplifiers. <i>Physical Review A</i> , 2013 , 87, | 2.6 | 12 |
| 105 | Interplay among multidressed four-wave mixing processes. <i>Applied Physics Letters</i> , 2008 , 93, 241101 | 3.4 | 12 |
| 104 | Coherent exciton-phonon coupling in perovskite semiconductor nanocrystals studied by two-dimensional electronic spectroscopy. <i>Applied Physics Letters</i> , 2019 , 115, 243101 | 3.4 | 12 |
| 103 | Two-dimensional Talbot self-imaging via Electromagnetically induced lattice. <i>Scientific Reports</i> , 2017 , 7, 41790 | 4.9 | 11 |
| 102 | Entangling Two Macroscopic Mechanical Resonators at High Temperature. <i>Physical Review Applied</i> , 2020 , 13, | 4.3 | 11 |

101	Broadband Variable Meta-Axicons Based on Nano-Aperture Arrays in a Metallic Film. <i>Scientific Reports</i> , 2018 , 8, 11591	4.9	11
100	Feedback-optimized extraordinary optical transmission of continuous-variable entangled states. <i>Physical Review B</i> , 2015 , 91,	3.3	11
99	High-Q silica microdisk optical resonators with large wedge angles on a silicon chip. <i>Photonics Research</i> , 2015 , 3, 279	6	11
98	Controlling blinking in multilayered quantum dots. <i>Applied Physics Letters</i> , 2010 , 96, 151107	3.4	11
97	Influence of injection-current noise on the spectral characteristics of semiconductor lasers. <i>IEEE Journal of Quantum Electronics</i> , 1997 , 33, 2111-2118	2	11
96	Novel linear and nonlinear optical properties of electromagnetically induced transparency systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003 , 9, 86-92	3.8	11
95	Low-Threshold Amplified Spontaneous Emission and Lasing from Thick-Shell CdSe/CdS Core/Shell Nanoplatelets Enabled by High-Temperature Growth. <i>Advanced Optical Materials</i> , 2020 , 8, 1901615	8.1	11
94	Nonlinear photonic crystals: from 2D to 3D. <i>Optica</i> , 2021 , 8, 372	8.6	11
93	Defect-induced photoluminescence blinking of single epitaxial InGaAs quantum dots. <i>Scientific Reports</i> , 2015 , 5, 8898	4.9	10
92	Periodically poled LiNbO3 crystals from 1D and 2D to 3D. <i>Science China Technological Sciences</i> , 2020 , 63, 1110-1126	3.5	10
91	Edge States in Dynamical Superlattices. <i>ACS Photonics</i> , 2017 , 4, 2250-2256	6.3	10
90	Modeling of On-Chip Optical Nonreciprocity with an Active Microcavity. <i>Photonics</i> , 2015 , 2, 498-508	2.2	10
89	Electromagnetically induced absorption via incoherent collisions. <i>Physical Review A</i> , 2011 , 84,	2.6	10
88	Modified two-photon absorption and dispersion of ultrafast third-order polarization beats via twin noisy driving fields. <i>Physical Review A</i> , 2006 , 73,	2.6	10
87	Effects of a highly dispersive atomic medium inside an optical ring cavity. <i>Journal of Modern Optics</i> , 2002 , 49, 305-317	1.1	10
86	Controllable photonic crystal with periodic Raman gain in a coherent atomic medium. <i>Optics Letters</i> , 2018 , 43, 919-922	3	9
85	Coherent microwave generation in a nonlinear photonic crystal. <i>IEEE Journal of Quantum Electronics</i> , 2002 , 38, 481-485	2	9
84	Multi-dressing time delayed fourth- and sixth-order fluorescence processes in Pr ³⁺ :YSO. <i>RSC Advances</i> , 2015 , 5, 39449-39454	3.7	8

83	Spatial domain interactions between ultraweak optical beams. <i>Physical Review Letters</i> , 2013 , 111, 223601-4	1.4	8
82	Simultaneous control of two four-wave-mixing fields via atomic spin coherence. <i>Physical Review A</i> , 2011 , 83,	2.6	8
81	Optimization of a dual pumped L-band erbium-doped fiber amplifier by genetic algorithm. <i>Journal of Lightwave Technology</i> , 2006 , 24, 3824-3829	4	8
80	WIGNER OPERATOR AND SQUEEZING FOR ROTATED QUADRATURE PHASES. <i>Modern Physics Letters B</i> , 1996 , 10, 989-998	1.6	8
79	Optomechanically induced entanglement. <i>Physical Review A</i> , 2019 , 99,	2.6	8
78	Size-Dependent Hot Carrier Dynamics in Perovskite Nanocrystals Revealed by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 238-244	6.4	8
77	Controllable generation of second-harmonic vortex beams through nonlinear supercell grating. <i>Applied Physics Letters</i> , 2018 , 113, 221101	3.4	8
76	Quasi-phase-matching-division multiplexing holography in a three-dimensional nonlinear photonic crystal. <i>Light: Science and Applications</i> , 2021 , 10, 146	16.7	8
75	Triply-resonant optical parametric oscillator by four-wave mixing with rubidium vapor inside an optical cavity. <i>Applied Physics Letters</i> , 2010 , 96, 041101	3.4	7
74	Up-conversion luminescence of Mn ²⁺ ions in Zn _{1-x} Mg _x S:Mn ²⁺ nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 107, 103502	2.5	7
73	Generation of frequency-correlated narrowband biphotons from four-wave mixing in cold atoms. <i>Physical Review A</i> , 2010 , 82,	2.6	7
72	Surface plasmon density of states at the metal-dielectric interface: Dependence of metal layer thickness and dielectric material. <i>Journal of Applied Physics</i> , 2010 , 107, 014309	2.5	7
71	Ultrafast dynamics of photoexcited carriers in perovskite semiconductor nanocrystals. <i>Nanophotonics</i> , 2021 , 10, 1943-1965	6.3	7
70	Multichannel nonlinear holography in a two-dimensional nonlinear photonic crystal. <i>Physical Review A</i> , 2020 , 102,	2.6	7
69	Exciton linewidth broadening induced by exciton-phonon interactions in CsPbBr nanocrystals. <i>Journal of Chemical Physics</i> , 2021 , 154, 214502	3.9	7
68	Long Persistent Luminescence Enabled by Dissociation of Triplet Intermediate States in an Organic Guest/Host System. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3582-3588	6.4	7
67	New Insights into the Multiexciton Dynamics in Phase-Pure Thick-Shell CdSe/CdS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 25059-25066	3.8	7
66	Conical third-harmonic generation in a hexagonally poled LiTaO ₃ crystal. <i>Applied Physics Letters</i> , 2017 , 110, 111105	3.4	6

65	Singlet Fission Dynamics in Tetracene Single Crystals Probed by Polarization-Dependent Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 10447-10456	2.8	6
64	Transition from Doublet to Triplet Excitons in Single Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5750-5755	6.4	6
63	Highly Flexible and Efficient All-Polymer Solar Cells with High-Viscosity Processing Polymer Additive toward Potential of Stretchable Devices. <i>Angewandte Chemie</i> , 2018 , 130, 13461-13466	3.6	6
62	Weakly coupled triplet pair states probed by quantum beating in delayed fluorescence in tetracene crystals. <i>Journal of Chemical Physics</i> , 2019 , 151, 134309	3.9	6
61	Observation of localized domain reversal of iron-doped potassium niobate (Fe: KNbO ₃) single crystal. <i>Journal of Applied Physics</i> , 1994 , 76, 4451-4453	2.5	6
60	Tunable diffraction-free array in nonlinear photonic crystal. <i>Scientific Reports</i> , 2017 , 7, 40856	4.9	5
59	Effects of gain saturation on the quantum properties of light in a non-Hermitian gain-loss coupler. <i>Physical Review A</i> , 2019 , 99,	2.6	5
58	Hole Transfer Promoted by a Viscosity Additive in an All-Polymer Photovoltaic Blend. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1384-1389	6.4	5
57	Two-photon-pumped optical gain in dye-polymer composite materials. <i>Applied Physics Letters</i> , 2012 , 100, 133305	3.4	5
56	Ultrafast pump-probe spectroscopic signatures of superconducting and pseudogap phases in YBa ₂ Cu ₃ O ₇ films. <i>Journal of Applied Physics</i> , 2013 , 113, 083901	2.5	5
55	Stochastic resonance with multiplicative noise in a three-level atomic bistable system. <i>Journal of Modern Optics</i> , 2007 , 54, 2441-2450	1.1	5
54	Exciton-acoustic phonon coupling revealed by resonant excitation of single perovskite nanocrystals. <i>Nature Communications</i> , 2021 , 12, 2192	17.4	5
53	Parity-time symmetry in coherent asymmetric double quantum wells. <i>Scientific Reports</i> , 2019 , 9, 2607	4.9	4
52	Control of atomic spin squeezing via quantum coherence. <i>Physical Review A</i> , 2016 , 93,	2.6	4
51	Coherent control of dressed images of four-wave mixing. <i>Frontiers of Physics</i> , 2013 , 8, 228-235	3.7	4
50	Defect recombination induced by density-activated carrier diffusion in nonpolar InGaN quantum wells. <i>Applied Physics Letters</i> , 2013 , 103, 123506	3.4	4
49	Giant up-conversion efficiency of InGaAs quantum dots in a planar microcavity. <i>Scientific Reports</i> , 2014 , 4, 3953	4.9	4
48	Competition between Raman- and Rayleigh-enhanced four-wave mixings in attosecond polarization beats. <i>Physical Review A</i> , 2009 , 79,	2.6	4

47	Controllable laser output of high-quality cylindrical vector beam through intra-cavity mode conversion. <i>Applied Physics Letters</i> , 2020 , 117, 111105	3.4	4
46	Non-Gaussian nature and entanglement of spontaneous parametric nondegenerate triple-photon generation. <i>Physical Review A</i> , 2021 , 103,	2.6	4
45	Photon-assisted tunneling current in a double quantum dot excitonic system. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 102, 537-544	2.6	3
44	Single-photon all-optical switching using coupled microring resonators 2007 , 69, 219-228		3
43	Universal Existence of Localized Single-Photon Emitters in the Perovskite Film of All-Inorganic CsPbBr Microcrystals. <i>Advanced Materials</i> , 2021 , e2106278	2.4	3
42	Enhanced Multiexciton Emission Property in Gradient Alloy Core/Shell CdZnSeS/ZnS Quantum Dots: Balance between Surface Passivation and Strain-Induced Lattice Defect. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 10759-10767	3.8	3
41	Towards On-Demand Heralded Single-Photon Sources via Photon Blockade. <i>Physical Review Applied</i> , 2021 , 15,	4.3	3
40	Few-Layer Pbl Nanoparticle: A 2D Semiconductor with Lateral Quantum Confinement. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7863-7869	6.4	3
39	Imaging lattice switching with Talbot effect in reconfigurable non-Hermitian photonic graphene. <i>Photonics Research</i> , 2022 , 10, 958	6	3
38	Manipulating the orbital-angular-momentum correlation of entangled two-photon states in three-dimensional nonlinear photonic crystals. <i>Physical Review A</i> , 2021 , 104,	2.6	3
37	Generation of an ultra-long sub-diffracted second-harmonic optical needle from a periodically poled LiNbO3 crystal. <i>Applied Physics Letters</i> , 2020 , 116, 081106	3.4	2
36	Transient electronic anisotropy in overdoped NaFe1-xCoxAs superconductors. <i>Physical Review B</i> , 2018 , 97,	3.3	2
35	Interferometric control of parametrically amplified waveforms. <i>Physical Review A</i> , 2011 , 84,	2.6	2
34	Suppression of radiative decay of CdTe quantum dots in a photonic crystal with a pseudogap. <i>Journal of Modern Optics</i> , 2004 , 51, 2493-2501	1.1	2
33	Dry-etched ultrahigh-Q silica microdisk resonators on a silicon chip. <i>Photonics Research</i> , 2021 , 9, 722	6	2
32	High-quality reconstruction of an optical image by an efficient Laguerre-Gaussian mode decomposition method. <i>OSA Continuum</i> , 2021 , 4, 1396	1.4	2
31	Broad-intensity-range optical nonreciprocity based on feedback-induced Kerr nonlinearity. <i>Photonics Research</i> , 2021 , 9, 1218	6	2
30	Generation of Optical Frequency Comb via Giant Optomechanical Oscillation. <i>Physical Review Letters</i> , 2021 , 127, 134301	7.4	2

29	Quantum Squeezing Induced Optical Nonreciprocity.. <i>Physical Review Letters</i> , 2022 , 128, 083604	7.4	2
28	Absorption and gain saturable nonlinearities in erbium-doped optical microcavities. <i>Physical Review A</i> , 2019 , 100,	2.6	1
27	Storage and retrieval of interacting photons in a Rydberg medium. <i>Physical Review A</i> , 2019 , 99,	2.6	1
26	Radiation-pressure-driven mechanical oscillations in silica microdisk resonators on chip. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015 , 58, 1-4	3.6	1
25	Coherent Exciton-Phonon Coupling in CdSe/ZnS Nanocrystals Studied by Two-Dimensional Electronic Spectroscopy□ <i>Chinese Journal of Chemical Physics</i> , 2017 , 30, 637-642	0.9	1
24	Large Optical Nonlinearity Induced by Singlet Fission in Pentacene Films. <i>Angewandte Chemie</i> , 2015 , 127, 6320-6324	3.6	1
23	Fabrication of lithium niobate fork grating by laser-writing-induced selective chemical etching. <i>Nanophotonics</i> , 2021 ,	6.3	1
22	Self-pulsations in a microcavity Brillouin laser.. <i>Optics Letters</i> , 2022 , 47, 421-424	3	1
21	Application of optical orbital angular momentum to rotation measurements. <i>Results in Optics</i> , 2021 , 5, 100158	1	1
20	Probing Permanent Dipole Moments and Removing Exciton Fine Structures in Single Perovskite Nanocrystals by an Electric Field. <i>Physical Review Letters</i> , 2021 , 126, 197403	7.4	1
19	Multiple Dark Excitons in Semiconductor CdSe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23758-23763	3.8	1
18	Manipulating the radial components of LG pump beam for ultrahigh-dimensional maximally entangled orbital angular momentum states.. <i>Optics Express</i> , 2022 , 30, 11120-11129	3.3	1
17	High-power, low-noise Brillouin laser on a silicon chip.. <i>Optics Letters</i> , 2022 , 47, 1638-1641	3	1
16	Magnetic field effects on singlet fission dynamics. <i>Trends in Chemistry</i> , 2022 , 4, 528-539	14.8	1
15	Hierarchy of Nonlinear Entanglement Dynamics for Continuous Variables. <i>Physical Review Letters</i> , 2021 , 127, 150502	7.4	0
14	Approaching quantum-limited phase tracking with a large photon flux in a fiber Mach-Zehnder interferometer. <i>Quantum Information Processing</i> , 2021 , 20, 1	1.6	0
13	Transport of light in a moving photonic lattice via atomic coherence. <i>Optics Letters</i> , 2021 , 46, 4096-4099	3	0
12	Electrical Switching of Optical Gain in Perovskite Semiconductor Nanocrystals. <i>Nano Letters</i> , 2021 , 21, 7831-7838	11.5	0

- 11 Light-Emitting Diodes: High Color Rendering Index Hybrid III-Nitride/Nanocrystals White Light-Emitting Diodes (Adv. Funct. Mater. 1/2016). *Advanced Functional Materials*, **2016**, 26, 156-156 15.6
- 10 Coherent Modulation of Photonic Band Gap in FWM Process **2013**, 255-309
- 9 On the bichromatic excitation of a two-level atom with squeezed light. *European Physical Journal D*, **2004**, 29, 95-103 1.3
- 8 Wavelength locking of multiple diode lasers by multiplexed gratings in a photorefractive crystal. *Applied Physics Letters*, **2000**, 77, 2277-2279 3.4
- 7 Controllable Autler-Townes Splitting of MWM Process via Dark State 91-112
- 6 MWM Quantum Control via EIT 29-89
- 5 Optical Routing and Space Demultiplexer of MWM Process 311-329
- 4 Controllable Polarization of MWM Process via Dark State 157-198
- 3 Controllable Enhancement and Suppression of MWM Process via Dark State 113-156
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- 1 Two-dimensional electronic spectroscopy with active phase Management *Chinese Journal of Chemical Physics*, **2021**, 34, 30-42 0.9