Min Xiao

List of Publications by Year
in descending order

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280 papers	16,920 citations	22099 59 h-index	17546 121 g-index
294 all docs	294 docs citations	294 times ranked	13824 citing authors

#	Article	IF	Citations
1	11.4% Efficiency non-fullerene polymer solar cells with trialkylsilyl substituted 2D-conjugated polymer as donor. Nature Communications, 2016, 7, 13651.	5.8	917
2	Parityâ€“time symmetry and variable optical isolation in activeâ€“passive-coupled microresonators. Nature Photonics, 2014, 8, 524-529.	15.6	910
3	Monolithic all-perovskite tandem solar cells with 24.8% efficiency exploiting comproportionation to suppress Sn(ii) oxidation in precursor ink. Nature Energy, 2019, 4, 864-873.	19.8	736
4	Measurement of Dispersive Properties of Electromagnetically Induced Transparency in Rubidium Atoms. Physical Review Letters, 1995, 74, 666-669.	2.9	649
5	Electromagnetically induced transparency in ladder-type inhomogeneously broadened media: Theory and experiment. Physical Review A, 1995, 51, 576-584.	1.0	605
6	Two-Photon-Pumped Perovskite Semiconductor Nanocrystal Lasers. Journal of the American Chemical Society, 2016, 138, 3761-3768.	6.6	496
7	Cathode engineering with perylene-diimide interlayer enabling over 17% efficiency single-junction organic solar cells. Nature Communications, 2020, 11, 2726.	5.8	467
8	Enhanced Kerr Nonlinearity via Atomic Coherence in a Three-Level Atomic System. Physical Review Letters, 2001, 87, 073601.	2.9	436
9	An In Situ Simultaneous Reductionâ€Hydrolysis Technique for Fabrication of TiO₂â€Graphene 2D Sandwichâ€Like Hybrid Nanosheets: Grapheneâ€Promoted Selectivity of Photocatalyticâ€Driven Hydrogenation and Coupling of CO₂ into Methane and Ethane. Advanced Functional Materials, 2013, 23, 1743-1749.	7.8	357
10	High Efficiency Polymer Solar Cells with Efficient Hole Transfer at Zero Highest Occupied Molecular Orbital Offset between Methylated Polymer Donor and Brominated Acceptor. Journal of the American Chemical Society, 2020, 142, 1465-1474.	6.6	344
11	The Talbot effect: recent advances in classical optics, nonlinear optics, and quantum optics. Advances in Optics and Photonics, 2013, 5, 83.	12.1	310
12	Superior Optical Properties of Perovskite Nanocrystals as Single Photon Emitters. ACS Nano, 2015, 9, 12410-12416.	7.3	297
13	Electromagnetically induced grating: Homogeneously broadened medium. Physical Review A, 1998, 57, 1338-1344.	1.0	292
14	Phase segregation due to ion migration in all-inorganic mixed-halide perovskite nanocrystals. Nature Communications, 2019, 10, 1088.	5.8	271
15	Propagation Dynamics of a Light Beam in a Fractional SchrÃ¶dinger Equation. Physical Review Letters, 2015, 115, 180403.	2.9	254
16	Observation of Parity-Time Symmetry in Optically Induced Atomic Lattices. Physical Review Letters, 2016, 117, 123601.	2.9	250
17	Simplified synthetic routes for low cost and high photovoltaic performance n-type organic semiconductor acceptors. Nature Communications, 2019, 10, 519.	5.8	231
18	Charge Separation from an Intra-Moiety Intermediate State in the High-Performance PM6:Y6 Organic Photovoltaic Blend. Journal of the American Chemical Society, 2020, 142, 12751-12759.	6.6	228

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19	Experimental demonstration of a three-dimensional lithium niobate nonlinear photonic crystal. Nature Photonics, 2018, 12, 596-600.	15.6	224
20	Probing Carrier Transport and Structure-Property Relationship of Highly Ordered Organic Semiconductors at the Two-Dimensional Limit. Physical Review Letters, 2016, 116, 016602.	2.9	220
21	Side Chain Engineering on Medium Bandgap Copolymers to Suppress Triplet Formation for Highâ€Efficiency Polymer Solar Cells. Advanced Materials, 2017, 29, 1703344.	11.1	209
22	Controlling optical bistability in a three-level atomic system. Physical Review A, 2003, 67, .	1.0	199
23	All-Small-Molecule Nonfullerene Organic Solar Cells with High Fill Factor and High Efficiency over 10%. Chemistry of Materials, 2017, 29, 7543-7553.	3.2	184
24	Over 14% efficiency all-polymer solar cells enabled by a low bandgap polymer acceptor with low energy loss and efficient charge separation. Energy and Environmental Science, 2020, 13, 5017-5027.	15.6	170
25	Highly Flexible and Efficient Allâ€Polymer Solar Cells with Highâ€Viscosity Processing Polymer Additive toward Potential of Stretchable Devices. Angewandte Chemie - International Edition, 2018, 57, 13277-13282.	7.2	166
26	Achieving Fast Charge Separation and Low Nonradiative Recombination Loss by Rational Fluorination for Highâ€Efficiency Polymer Solar Cells. Advanced Materials, 2019, 31, e1905480.	11.1	162
27	Nonlinear Talbot Effect. Physical Review Letters, 2010, 104, 183901.	2.9	158
28	PT symmetry in a fractional SchrÃ¶dinger equation. Laser and Photonics Reviews, 2016, 10, 526-531.	4.4	136
29	Slow Auger Recombination of Charged Excitons in Nonblinking Perovskite Nanocrystals without Spectral Diffusion. Nano Letters, 2016, 16, 6425-6430.	4.5	129
30	Bright-Exciton Fine-Structure Splittings in Single Perovskite Nanocrystals. Physical Review Letters, 2017, 119, 026401.	2.9	129
31	Cavity-Free Optical Isolators and Circulators Using a Chiral Cross-Kerr Nonlinearity. Physical Review Letters, 2018, 121, 203602.	2.9	119
32	Efficient nonlinear beam shaping in three-dimensional lithium niobate nonlinear photonic crystals. Nature Communications, 2019, 10, 4193.	5.8	114
33	Coreâ€“shell amorphous cobalt phosphide/cadmium sulfide semiconductor nanorods for exceptional photocatalytic hydrogen production under visible light. Journal of Materials Chemistry A, 2016, 4, 1598-1602.	5.2	108
34	Highly Flexible and Efficient Allâ€Polymer Solar Cells with Highâ€Viscosity Processing Polymer Additive toward Potential of Stretchable Devices. Angewandte Chemie, 2018, 130, 13461-13466.	1.6	108
35	Two-Photon Dynamics in Coherent Rydberg Atomic Ensemble. Physical Review Letters, 2014, 112, 133606.	2.9	101
36	Photoluminescence upconversion in colloidal CdTe quantum dots. Physical Review B, 2003, 68, .	1.1	100

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37	Efficient plasmon-hot electron conversion in Agâ€“CsPbBr3 hybrid nanocrystals. Nature Communications, 2019, 10, 1163.	5.8	97
38	Interacting multiwave mixing in a five-level atomic system. Physical Review A, 2008, 77, .	1.0	93
39	Modified self-Kerr-nonlinearity in a four-level<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="sans-serif">N</mml:mi></mml:math>-type atomic system. Physical Review A, 2011, 84, .	1.0	90
40	Diffraction-free beams in fractional SchrÃ¶dinger equation. Scientific Reports, 2016, 6, 23645.	1.6	90
41	Demonstration of a chip-based optical isolator with parametric amplification. Nature Communications, 2016, 7, 13657.	5.8	89
42	Observation of edge solitons in photonic graphene. Nature Communications, 2020, 11, 1902.	5.8	88
43	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric optical potentials in a coherent atomic medium. Physical Review A, 2013, 88, .	1.0	86
44	Controlled Correlation and Squeezing in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>Pr</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mi mathvariant="normal">Y</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup><mml:msup><mml:m to Yie. Physical Review Applied, 2017, 7, .	1.5	82
45	Electromagnetically induced Talbot effect. Applied Physics Letters, 2011, 98, .	1.5	79
46	Composition-Dependent Energy Splitting between Bright and Dark Excitons in Lead Halide Perovskite Nanocrystals. Nano Letters, 2018, 18, 2074-2080.	4.5	79
47	Brillouin-Kerr Soliton Frequency Combs in an Optical Microresonator. Physical Review Letters, 2021, 126, 063901.	2.9	74
48	Ultrafast Channel II process induced by a 3-D texture with enhanced acceptor order ranges for high-performance non-fullerene polymer solar cells. Energy and Environmental Science, 2018, 11, 2569-2580.	15.6	72
49	Fluorescence lifetime of Mn-doped ZnSe quantum dots with size dependence. Applied Physics Letters, 2008, 92, .	1.5	71
50	Rational construction of a CdS/reduced graphene oxide/TiO₂coreâ€“shell nanostructure as an all-solid-state Z-scheme system for CO₂photoreduction into solar fuels. RSC Advances, 2015, 5, 88409-88413.	1.7	71
51	Photonic Floquet topological insulators in atomic ensembles. Laser and Photonics Reviews, 2015, 9, 331-338.	4.4	70
52	Time-resolved photoluminescence properties of CuInS2/ZnS nanocrystals: Influence of intrinsic defects and external impurities. Journal of Applied Physics, 2012, 111, 124314.	1.1	69
53	Mo-O bond doping and related-defect assisted enhancement of photoluminescence in monolayer MoS₂. AIP Advances, 2014, 4, 123004.	0.6	69
54	Fabrication and photoluminescence of SiC quantum dots stemming from 3C, 6H, and 4H polytypes of bulk SiC. Applied Physics Letters, 2012, 101, .	1.5	68

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55	Tinâ€Based Perovskite with Improved Coverage and Crystallinity through Tinâ€Fluorideâ€Assisted Heterogeneous Nucleation. Advanced Optical Materials, 2018, 6, 1700615.	3.6	67
56	Controlled steady-state switching in optical bistability. Applied Physics Letters, 2003, 83, 1301-1303.	1.5	63
57	Efficient energy transfer between four-wave-mixing and six-wave-mixing processes via atomic coherence. Physical Review A, 2008, 77, .	1.0	61
58	Feasible D1â€“Aâ€“D2â€“A Random Copolymers for Simultaneous Highâ€Performance Fullerene and Nonfullerene Solar Cells. Advanced Energy Materials, 2018, 8, 1702166.	10.2	61
59	Dynamical phonon laser in coupled active-passive microresonators. Physical Review A, 2016, 94, .	1.0	60
60	On-chip chiral single-photon interface: Isolation and unidirectional emission. Physical Review A, 2019, 99, .	1.0	60
61	Nonradiative Triplet Loss Suppressed in Organic Photovoltaic Blends with Fluoridated Nonfullerene Acceptors. Journal of the American Chemical Society, 2021, 143, 4359-4366.	6.6	60
62	High Color Rendering Index Hybrid IIIâ€Nitride/Nanocrystals White Lightâ€Emitting Diodes. Advanced Functional Materials, 2016, 26, 36-43.	7.8	58
63	Observation of enhancement and suppression in four-wave mixing processes. Applied Physics Letters, 2009, 95, .	1.5	56
64	Atomic optical bistability in two- and three-level systems: perspectives and prospects. Journal of Modern Optics, 2010, 57, 1196-1220.	0.6	56
65	Magnetic dipolar interaction between correlated triplets created by singlet fission in tetracene crystals. Nature Communications, 2015, 6, 8602.	5.8	56
66	A Covalently Linked Tetracene Trimer: Synthesis and Singlet Exciton Fission Property. Organic Letters, 2017, 19, 580-583.	2.4	56
67	Ultrafast hole transfer mediated by polaron pairs in all-polymer photovoltaic blends. Nature Communications, 2019, 10, 398.	5.8	56
68	De novo design of Au36(SR)24 nanoclusters. Nature Communications, 2020, 11, 3349.	5.8	54
69	Quantum Squeezing Induced Optical Nonreciprocity. Physical Review Letters, 2022, 128, 083604.	2.9	53
70	Enhanced intensity-difference squeezing via energy-level modulations in hot atomic media. Physical Review A, 2017, 96, .	1.0	52
71	Electronic structure transformation from a quantum-dot to a quantum-wire system: Photoluminescence decay and polarization of colloidal CdSe quantum rods. Applied Physics Letters, 2002, 81, 4829-4831.	1.5	51
72	Controlling four-wave mixing and six-wave mixing in a multi-Zeeman-sublevel atomic system with electromagnetically induced transparency. Physical Review A, 2009, 79, .	1.0	51

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73	Unveiling the Link Between Fractional SchrÃ¶dinger Equation and Light Propagation in Honeycomb Lattice. Annalen Der Physik, 2017, 529, 1700149.	0.9	50
74	Spinâ€“orbit coupling in photonic graphene. Optica, 2020, 7, 455.	4.8	50
75	Wide-bandwidth high-frequency electro-optic modulator based on periodically poled LiNbO3. Applied Physics Letters, 2001, 78, 1035-1037.	1.5	48
76	Quantum noise effects with Kerr-nonlinearity enhancement in coupled gain-loss waveguides. Physical Review A, 2015, 91, .	1.0	48
77	Transmission Nonreciprocity in a Mutually Coupled Circulating Structure. Physical Review Letters, 2018, 120, 203904.	2.9	48
78	Particlelike Behavior of Topological Defects in Linear Wave Packets in Photonic Graphene. Physical Review Letters, 2019, 122, 233905.	2.9	48
79	Sub-Shot-Noise laser Doppler Anemometry with Amplitude-Squeezed Light. Physical Review Letters, 1997, 78, 3105-3108.	2.9	47
80	Photo-oxidation-enhanced coupling in densely packed CdSe quantum-dot films. Applied Physics Letters, 2003, 83, 162-164.	1.5	47
81	Generating Controllable Laguerre-Gaussian Laser Modes Through Intracavity Spin-Orbital Angular Momentum Conversion of Light. Physical Review Applied, 2019, 11, .	1.5	47
82	Free-triplet generation with improved efficiency in tetracene oligomers through spatially separated triplet pair states. Nature Chemistry, 2021, 13, 559-567.	6.6	46
83	Second-order Talbot effect with entangled photon pairs. Physical Review A, 2009, 80, .	1.0	45
84	Radiation Pressure Cooling as a Quantum Dynamical Process. Physical Review Letters, 2017, 118, 233604.	2.9	45
85	Parity-time symmetry in optical microcavity systems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 222001.	0.6	45
86	Parityâ€Timeâ€Symmetric Optical Lattice with Alternating Gain and Loss Atomic Configurations. Laser and Photonics Reviews, 2018, 12, 1800155.	4.4	45
87	Nonlinear photonic crystals: from 2D to 3D. Optica, 2021, 8, 372.	4.8	45
88	Nonclassical light generation via a four-level inverted-Y system. Physical Review A, 2008, 77, .	1.0	42
89	Observation of discrete diffraction patterns in an optically induced lattice. Optics Express, 2015, 23, 19777.	1.7	42
90	Quasi-phase-matching-division multiplexing holography in a three-dimensional nonlinear photonic crystal. Light: Science and Applications, 2021, 10, 146.	7.7	42

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91	Carrier Multiplication in a Single Semiconductor Nanocrystal. Physical Review Letters, 2016, 116, 106404.	2.9	41
92	Optical Bloch oscillation and Zener tunneling in an atomic system. Optica, 2017, 4, 571.	4.8	41
93	Optical Gain from Biexcitons in CsPbBr₃ Nanocrystals Revealed by Two-dimensional Electronic Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 1251-1258.	2.1	40
94	Controlled spatial beam splitter using four-wave-mixing images. Physical Review A, 2009, 80, .	1.0	39
95	Control of multitransparency windows via dark-state phase manipulation. Physical Review A, 2010, 81, .	1.0	39
96	Insights into constitutional isomeric effects on donorâ€“acceptor intermolecular arrangements in non-fullerene organic solar cells. Journal of Materials Chemistry A, 2019, 7, 18468-18479.	5.2	38
97	Sensing and tracking enhanced by quantum squeezing. Photonics Research, 2019, 7, A14.	3.4	38
98	Observation of electromagnetically induced Talbot effect in an atomic system. Physical Review A, 2018, 97, .	1.0	35
99	Quantum Interference in a Single Perovskite Nanocrystal. Nano Letters, 2019, 19, 4442-4447.	4.5	35
100	Engineering biphoton wave packets with an electromagnetically induced grating. Physical Review A, 2010, 82, .	1.0	34
101	Transport properties in the photonic superâ€honeycomb lattice â€" a hybrid fermionic and bosonic system. Annalen Der Physik, 2017, 529, 1600258.	0.9	34
102	Singlet exciton fission in a linear tetracene tetramer. Journal of Materials Chemistry C, 2018, 6, 3245-3253.	2.7	34
103	Dressed Gain from the Parametrically Amplified Four-Wave Mixing Process in an Atomic Vapor. Scientific Reports, 2015, 5, 15058.	1.6	33
104	Coherent optical phonon oscillation and possible electronic softening in WTe2 crystals. Scientific Reports, 2016, 6, 30487.	1.6	33
105	Realization of controllable photonic molecule based on three ultrahighâ€Q microtoroid cavities. Laser and Photonics Reviews, 2017, 11, 1600178.	4.4	33
106	Generation of robust tripartite entanglement with a single-cavity optomechanical system. Physical Review A, 2017, 95, .	1.0	33
107	Atomic coherence induced Kerr nonlinearity enhancement in Rb vapour. Journal of Modern Optics, 2002, 49, 335-347.	0.6	32
108	Ultralow-Threshold Single-Mode Lasing from Phase-Pure CdSe/CdS Core/Shell Quantum Dots. Journal of Physical Chemistry Letters, 2016, 7, 4968-4976.	2.1	32

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109	Orbital angular momentum-enhanced measurement of rotation vibration using a Sagnac interferometer. Optics Express, 2018, 26, 1997.	1.7	32
110	Controlling subluminal to superluminal behavior of group velocity with squeezed reservoir. Physical Review A, 2005, 72, .	1.0	31
111	Chipâ€Based Optical Isolator and Nonreciprocal Parityâ€Time Symmetry Induced by Stimulated Brillouin Scattering. Laser and Photonics Reviews, 2020, 14, 1900278.	4.4	31
112	Entangling Two Macroscopic Mechanical Resonators at High Temperature. Physical Review Applied, 2020, 13, .	1.5	31
113	Electro-optic switch in ferroelectric thin films mediated by surface plasmons. Applied Physics Letters, 2006, 88, 143512.	1.5	30
114	Optomechanically tuned electromagnetically induced transparency-like effect in coupled optical microcavities. Applied Physics Letters, 2016, 109, .	1.5	30
115	Multichannel nonlinear holography in a two-dimensional nonlinear photonic crystal. Physical Review A, 2020, 102, .	1.0	30
116	Coupling between semiconductor quantum dots and two-dimensional surface plasmons. Physical Review B, 2005, 72, .	1.1	29
117	Electromagnetically induced spatial nonlinear dispersion of four-wave mixing. Physical Review A, 2009, 80, .	1.0	29
118	Generation of Optical Frequency Comb via Giant Optomechanical Oscillation. Physical Review Letters, 2021, 127, 134301.	2.9	29
119	Demonstration of an erbium-doped microsphere laser on a silicon chip. Laser Physics Letters, 2013, 10, 105809.	0.6	28
120	Parametrically Amplified Bright-state Polariton of Four- and Six-wave Mixing in an Optical Ring Cavity. Scientific Reports, 2015, 4, 3619.	1.6	28
121	Photon antibunching in a cluster of giant CdSe/CdS nanocrystals. Nature Communications, 2018, 9, 1536.	5.8	28
122	Series of ZnSn(OH)₆ Polyhedra: Enhanced CO₂ Dissociation Activation and Crystal Facet-Based Homojunction Boosting Solar Fuel Synthesis. Inorganic Chemistry, 2017, 56, 5704-5709.	1.9	27
123	Visible Kerr comb generation in a high-Q silica microdisk resonator with a large wedge angle. Photonics Research, 2019, 7, 573.	3.4	27
124	Far-field second-harmonic fingerprint of twinning in single ZnO rods. Physical Review B, 2008, 77, .	1.1	26
125	Polarization-dependent exciton dynamics in tetracene single crystals. Journal of Chemical Physics, 2014, 141, 244303.	1.2	26
126	Mott behavior in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^’</mml:mo><mml:mi>y</mml:mi></mml:mrow><mml:msub><mml:mi mathvariant="normal">Se</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>superconductors studied by pump-probe spectroscopy. Physical Review B, 2014, 89, .	1.1	26

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127	Cyclic permutation-time symmetric structure with coupled gain-loss microcavities. Physical Review A, 2015, 91, .	1.0	26
128	Ultrafast Carrier Dynamics and Efficient Triplet Generation in Black Phosphorus Quantum Dots. Journal of Physical Chemistry C, 2017, 121, 12972-12978.	1.5	26
129	Broadband two-dimensional electronic spectroscopy in an actively phase stabilized pump-probe configuration. Optics Express, 2017, 25, 21115.	1.7	26
130	Lowâ€Threshold Amplified Spontaneous Emission and Lasing from Thickâ€Shell CdSe/CdS Core/Shell Nanoplatelets Enabled by Highâ€Temperature Growth. Advanced Optical Materials, 2020, 8, 1901615.	3.6	26
131	Frequency detuning and power dependence of reflection from an electromagnetically induced absorption grating. Journal of Modern Optics, 2005, 52, 2365-2371.	0.6	25
132	Inhomogeneous Biexciton Binding in Perovskite Semiconductor Nanocrystals Measured with Two-Dimensional Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 10173-10181.	2.1	25
133	Four-wave-mixing gap solitons. Physical Review A, 2010, 82, .	1.0	24
134	Generation of multipartite continuous-variable entanglement via atomic spin wave. Physical Review A, 2012, 85, .	1.0	24
135	Large Optical Nonlinearity Induced by Singlet Fission in Pentacene Films. Angewandte Chemie - International Edition, 2015, 54, 6222-6226.	7.2	24
136	Quantum-confined stark effect in the ensemble of phase-pure CdSe/CdS quantum dots. Nanoscale, 2019, 11, 12619-12625.	2.8	24
137	Generation of correlated and anticorrelated multiple fields via atomic spin coherence. Physical Review A, 2012, 85, .	1.0	23
138	On-Chip Optical Nonreciprocity Using an Active Microcavity. Scientific Reports, 2016, 6, 38972.	1.6	23
139	Single-Mode Lasing from â€œGiantâ€•CdSe/CdS Coreâ€“Shell Quantum Dots in Distributed Feedback Structures. ACS Applied Materials & Interfaces, 2017, 9, 13293-13303.	4.0	23
140	Mass sensing by detecting the quadrature of a coupled light field. Physical Review A, 2017, 96, .	1.0	23
141	Directly generating orbital angular momentum in second-harmonic waves with a spirally poled nonlinear photonic crystal. Applied Physics Letters, 2017, 110, 261104.	1.5	23
142	Kerr frequency combs in large-size, ultra-high-Q toroid microcavities with low repetition rates [Invited]. Photonics Research, 2017, 5, B54.	3.4	23
143	Demonstration of an ultra-low-threshold phonon laser with coupled microtoroid resonators in vacuum. Photonics Research, 2017, 5, 73.	3.4	23
144	Theory of nonlinear Talbot effect. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 275.	0.9	22

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145	Phase Modulation in Rydberg Dressed Multi-Wave Mixing processes. Scientific Reports, 2015, 5, 10462.	1.6	22
146	Squeezing-enhanced fiber Mach-Zehnder interferometer for low-frequency phase measurement. Applied Physics Letters, 2017, 110, .	1.5	22
147	Edge States in Dynamical Superlattices. ACS Photonics, 2017, 4, 2250-2256.	3.2	21
148	Periodically poled LiNbO3 crystals from 1D and 2D to 3D. Science China Technological Sciences, 2020, 63, 1110-1126.	2.0	21
149	Controlling enhancement and suppression of four-wave mixing via polarized light. Physical Review A, 2010, 81, .	1.0	20
150	All-optically controlled fourth- and sixth-order fluorescence processes of Pr3+:YSO. Applied Physics Letters, 2014, 104, 051912.	1.5	20
151	Energy Transfer of Biexcitons in a Single Semiconductor Nanocrystal. Nano Letters, 2016, 16, 2492-2496.	4.5	20
152	Size-Dependent Hot Carrier Dynamics in Perovskite Nanocrystals Revealed by Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 238-244.	2.1	20
153	Dark-state polaritons using spontaneously generated coherence. European Physical Journal D, 2005, 35, 547-551.	0.6	19
154	Nonlinear optical absorption and refraction of epitaxial Ba0.6Sr0.4TiO3 thin films on (001) MgO substrates. Applied Physics B: Lasers and Optics, 2006, 82, 443-447.	1.1	19
155	Nonlinear Density Dependence of Singlet Fission Rate in Tetracene Films. Journal of Physical Chemistry Letters, 2014, 5, 3462-3467.	2.1	19
156	Electromagnetically Induced Entanglement. Scientific Reports, 2015, 5, 13609.	1.6	19
157	Controlling dynamic instability of three-level atoms inside an optical ring cavity. Physical Review A, 2004, 70, .	1.0	18
158	Second-order susceptibilities of ZnO nanorods from forward second-harmonic scattering. Journal of Applied Physics, 2009, 105, 063531.	1.1	18
159	Diffraction Interference Induced Superfocusing in Nonlinear Talbot Effect. Scientific Reports, 2015, 4, 6134.	1.6	18
160	High-Q silica microdisk optical resonators with large wedge angles on a silicon chip. Photonics Research, 2015, 3, 279.	3.4	18
161	Demonstration of ultralow-threshold 2 micrometer microlasers on chip. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	2.0	18
162	Continuous-variable entanglement generation using a hybrid PT -symmetric system. Physical Review A, 2017, 96, .	1.0	18

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163	Analysis of a triple-cavity photonic molecule based on coupled-mode theory. Physical Review A, 2017, 95, .	1.0	18
164	Coherent exciton-phonon coupling in perovskite semiconductor nanocrystals studied by two-dimensional electronic spectroscopy. Applied Physics Letters, 2019, 115, .	1.5	18
165	The Impact of Carrier Transport Confinement on the Energy Transfer Between InGaN/GaN Quantumâ€Well Nanorods and Colloidal Nanocrystals. Advanced Functional Materials, 2012, 22, 3146-3152.	7.8	17
166	Two-dimensional Talbot self-imaging via Electromagnetically induced lattice. Scientific Reports, 2017, 7, 41790.	1.6	17
167	Two-photon excited photoluminescence of single perovskite nanocrystals. Journal of Chemical Physics, 2019, 151, 154201.	1.2	17
168	Optomechanically induced entanglement. Physical Review A, 2019, 99, .	1.0	17
169	Enhanced dipole-dipole interaction of CdSeâ•CdS nanocrystal quantum dots inside a planar microcavity. Applied Physics Letters, 2006, 89, 113114.	1.5	16
170	New Insights into the Multiexciton Dynamics in Phase-Pure Thick-Shell CdSe/CdS Quantum Dots. Journal of Physical Chemistry C, 2018, 122, 25059-25066.	1.5	16
171	Non-Gaussian nature and entanglement of spontaneous parametric nondegenerate triple-photon generation. Physical Review A, 2021, 103, .	1.0	16
172	Ultrafast dynamics of photoexcited carriers in perovskite semiconductor nanocrystals. Nanophotonics, 2021, 10, 1943-1965.	2.9	16
173	Polarization spectroscopy of InGaAs/GaAs quantum wires grown on (331)B GaAs templates with nanoscale fluctuations. Journal of Applied Physics, 2004, 95, 1609-1611.	1.1	15
174	Controllable photonic crystal with periodic Raman gain in a coherent atomic medium. Optics Letters, 2018, 43, 919.	1.7	15
175	Excitation-tailored dual-color emission of manganese(II)-doped perovskite nanocrystals. Applied Physics Letters, 2019, 114, .	1.5	15
176	Influence of injection-current noise on the spectral characteristics of semiconductor lasers. IEEE Journal of Quantum Electronics, 1997, 33, 2111-2118.	1.0	14
177	Coherent microwave generation in a nonlinear photonic crystal. IEEE Journal of Quantum Electronics, 2002, 38, 481-485.	1.0	14
178	Electromagnetically induced absorption via incoherent collisions. Physical Review A, 2011, 84, .	1.0	14
179	Quantum limits for cascaded optical parametric amplifiers. Physical Review A, 2013, 87, .	1.0	14
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