Min Xiao

List of Publications by Year in Descending Order

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	Self-pulsations in a microcavity Brillouin laser.. *Optics Letters*, **2022**, 47, 421-424	3	1
261	Quantum Squeezing Induced Optical Nonreciprocity.. *Physical Review Letters*, **2022**, 128, 083604	7.4	2
260	Manipulating the radial components of LG pump beam for ultrahigh-dimensional maximally entangled orbital angular momentum states.. *Optics Express*, **2022**, 30, 11120-11129	3.3	1
259	Imaging lattice switching with Talbot effect in reconfigurable non-Hermitian photonic graphene. *Photonics Research*, **2022**, 10, 958	6	3
258	High-power, low-noise Brillouin laser on a silicon chip.. *Optics Letters*, **2022**, 47, 1638-1641	3	1
257	Magnetic field effects on singlet fission dynamics. *Trends in Chemistry*, **2022**, 4, 528-539	14.8	1
256	Ultrafast dynamics of photoexcited carriers in perovskite semiconductor nanocrystals. *Nanophotonics*, **2021**, 10, 1943-1965	6.3	7
255	Fabrication of lithium niobate fork grating by laser-writing-induced selective chemical etching. *Nanophotonics*, **2021**,	6.3	1
254	Universal Existence of Localized Single-Photon Emitters in the Perovskite Film of All-Inorganic CsPbBr Microcrystals. *Advanced Materials*, **2021**, e2106278	24	3
253	Hierarchy of Nonlinear Entanglement Dynamics for Continuous Variables. *Physical Review Letters*, **2021**, 127, 150502	7.4	0
252	Application of optical orbital angular momentum to rotation measurements. *Results in Optics*, **2021**, 5, 100158	1	1
251	Nonlinear photonic crystals: from 2D to 3D. *Optica*, **2021**, 8, 372	8.6	11
250	Nonradiative Triplet Loss Suppressed in Organic Photovoltaic Blends with Fluoridated Nonfullerene Acceptors. *Journal of the American Chemical Society*, **2021**, 143, 4359-4366	16.4	24
249	Dry-etched ultrahigh-Q silica microdisk resonators on a silicon chip. *Photonics Research*, **2021**, 9, 722	6	2
248	Free-triplet generation with improved efficiency in tetracene oligomers through spatially separated triplet pair states. *Nature Chemistry*, **2021**, 13, 559-567	17.6	16
247	High-quality reconstruction of an optical image by an efficient Laguerre-Gaussian mode decomposition method. *OSA Continuum*, **2021**, 4, 1396	1.4	2
246	Exciton-acoustic phonon coupling revealed by resonant excitation of single perovskite nanocrystals. *Nature Communications*, **2021**, 12, 2192	17.4	5

245	Enhanced Multiexciton Emission Property in Gradient Alloy Core/Shell CdZnSeS/ZnS Quantum Dots: Balance between Surface Passivation and Strain-Induced Lattice Defect. *Journal of Physical Chemistry C*, **2021**, 125, 10759-10767	3.8	3
244	Probing Permanent Dipole Moments and Removing Exciton Fine Structures in Single Perovskite Nanocrystals by an Electric Field. *Physical Review Letters*, **2021**, 126, 197403	7.4	1
243	Approaching quantum-limited phase tracking with a large photon flux in a fiber Mach□Zehnder interferometer. *Quantum Information Processing*, **2021**, 20, 1	1.6	0
242	Towards On-Demand Heralded Single-Photon Sources via Photon Blockade. *Physical Review Applied* , **2021**, 15,	4.3	3
241	Broad-intensity-range optical nonreciprocity based on feedback-induced Kerr nonlinearity. *Photonics Research*, **2021**, 9, 1218	6	2
240	Exciton linewidth broadening induced by exciton-phonon interactions in CsPbBr nanocrystals. *Journal of Chemical Physics*, **2021**, 154, 214502	3.9	7
239	Size-Dependent Hot Carrier Dynamics in Perovskite Nanocrystals Revealed by Two-Dimensional Electronic Spectroscopy. *Journal of Physical Chemistry Letters*, **2021**, 12, 238-244	6.4	8
238	Non-Gaussian nature and entanglement of spontaneous parametric nondegenerate triple-photon generation. *Physical Review A*, **2021**, 103,	2.6	4
237	Two-dimensional electronic spectroscopy with active phase Management□*Chinese Journal of Chemical Physics*, **2021**, 34, 30-42	0.9	
236	Brillouin-Kerr Soliton Frequency Combs in an Optical Microresonator. *Physical Review Letters*, **2021**, 126, 063901	7.4	17
235	Quasi-phase-matching-division multiplexing holography in a three-dimensional nonlinear photonic crystal. *Light: Science and Applications*, **2021**, 10, 146	16.7	8
234	Transport of light in a moving photonic lattice via atomic coherence. *Optics Letters*, **2021**, 46, 4096-4099	3	0
233	Electrical Switching of Optical Gain in Perovskite Semiconductor Nanocrystals. *Nano Letters*, **2021**, 21, 7831-7838	11.5	0
232	Generation of Optical Frequency Comb via Giant Optomechanical Oscillation. *Physical Review Letters*, **2021**, 127, 134301	7.4	2
231	Manipulating the orbital-angular-momentum correlation of entangled two-photon states in three-dimensional nonlinear photonic crystals. *Physical Review A*, **2021**, 104,	2.6	3
230	Singlet Fission Dynamics in Tetracene Single Crystals Probed by Polarization-Dependent Two-Dimensional Electronic Spectroscopy. *Journal of Physical Chemistry A*, **2020**, 124, 10447-10456	2.8	6
229	Periodically poled LiNbO3 crystals from 1D and 2D to 3D. *Science China Technological Sciences*, **2020** , 63, 1110-1126	3.5	10
228	Cathode engineering with perylene-diimide interlayer enabling over 17% efficiency single-junction organic solar cells. *Nature Communications*, **2020**, 11, 2726	17.4	236

227	Chip-Based Optical Isolator and Nonreciprocal Parity-Time Symmetry Induced by Stimulated Brillouin Scattering. *Laser and Photonics Reviews*, **2020**, 14, 1900278	8.3	14
226	Entangling Two Macroscopic Mechanical Resonators at High Temperature. *Physical Review Applied*, **2020**, 13,	4.3	11
225	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	16.4	105
224	Transition from Doublet to Triplet Excitons in Single Perovskite Nanocrystals. *Journal of Physical Chemistry Letters*, **2020**, 11, 5750-5755	6.4	6
223	De novo design of Au(SR) nanoclusters. *Nature Communications*, **2020**, 11, 3349	17.4	21
222	Generation of an ultra-long sub-diffracted second-harmonic optical needle from a periodically poled LiNbO3 crystal. *Applied Physics Letters*, **2020**, 116, 081106	3.4	2
221	Hole Transfer Promoted by a Viscosity Additive in an All-Polymer Photovoltaic Blend. *Journal of Physical Chemistry Letters*, **2020**, 11, 1384-1389	6.4	5
220	Observation of edge solitons in photonic graphene. *Nature Communications*, **2020**, 11, 1902	17.4	34
219	Spin–orbit coupling in photonic graphene. *Optica*, **2020**, 7, 455	8.6	23
218	Low-Threshold Amplified Spontaneous Emission and Lasing from Thick-Shell CdSe/CdS Core/Shell Nanoplatelets Enabled by High-Temperature Growth. *Advanced Optical Materials*, **2020**, 8, 1901615	8.1	11
217	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	16.4	228
216	Controllable laser output of high-quality cylindrical vector beam through intra-cavity mode conversion. *Applied Physics Letters*, **2020**, 117, 111105	3.4	4
215	Multichannel nonlinear holography in a two-dimensional nonlinear photonic crystal. *Physical Review A*, **2020**, 102,	2.6	7
214	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	35.4	117
213	Inhomogeneous Biexciton Binding in Perovskite Semiconductor Nanocrystals Measured with Two-Dimensional Spectroscopy. *Journal of Physical Chemistry Letters*, **2020**, 11, 10173-10181	6.4	14
212	Long Persistent Luminescence Enabled by Dissociation of Triplet Intermediate States in an Organic Guest/Host System. *Journal of Physical Chemistry Letters*, **2020**, 11, 3582-3588	6.4	7
211	Efficient nonlinear beam shaping in three-dimensional lithium niobate nonlinear photonic crystals. *Nature Communications*, **2019**, 10, 4193	17.4	56
210	Absorption and gain saturable nonlinearities in erbium-doped optical microcavities. *Physical Review A*, **2019**, 100,	2.6	1

209	Simplified synthetic routes for low cost and high photovoltaic performance n-type organic semiconductor acceptors. *Nature Communications*, **2019**, 10, 519	17.4	153
208	Ultrafast hole transfer mediated by polaron pairs in all-polymer photovoltaic blends. *Nature Communications*, **2019**, 10, 398	17.4	39
207	Quantum Interference in a Single Perovskite Nanocrystal. *Nano Letters*, **2019**, 19, 4442-4447	11.5	23
206	Quantum-confined stark effect in the ensemble of phase-pure CdSe/CdS quantum dots. *Nanoscale*, **2019**, 11, 12619-12625	7.7	13
205	Particlelike Behavior of Topological Defects in Linear Wave Packets in Photonic Graphene. *Physical Review Letters*, **2019**, 122, 233905	7.4	28
204	On-chip chiral single-photon interface: Isolation and unidirectional emission. *Physical Review A*, **2019**, 99,	2.6	28
203	Storage and retrieval of interacting photons in a Rydberg medium. *Physical Review A*, **2019**, 99,	2.6	1
202	Phase segregation due to ion migration in all-inorganic mixed-halide perovskite nanocrystals. *Nature Communications*, **2019**, 10, 1088	17.4	150
201	Efficient plasmon-hot electron conversion in Ag-CsPbBr hybrid nanocrystals. *Nature Communications*, **2019**, 10, 1163	17.4	54
200	Excitation-tailored dual-color emission of manganese(II)-doped perovskite nanocrystals. *Applied Physics Letters*, **2019**, 114, 041902	3.4	13
199	Effects of gain saturation on the quantum properties of light in a non-Hermitian gain-loss coupler. *Physical Review A*, **2019**, 99,	2.6	5
198	Parity-time symmetry in coherent asymmetric double quantum wells. *Scientific Reports*, **2019**, 9, 2607	4.9	4
197	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
196	Two-photon excited photoluminescence of single perovskite nanocrystals. *Journal of Chemical Physics*, **2019**, 151, 154201	3.9	12
195	Achieving Fast Charge Separation and Low Nonradiative Recombination Loss by Rational Fluorination for High-Efficiency Polymer Solar Cells. *Advanced Materials*, **2019**, 31, e1905480	24	113
194	Weakly coupled triplet pair states probed by quantum beating in delayed fluorescence in tetracene crystals. *Journal of Chemical Physics*, **2019**, 151, 134309	3.9	6
193	Visible Kerr comb generation in a high-Q silica microdisk resonator with a large wedge angle. *Photonics Research*, **2019**, 7, 573	6	16
192	Sensing and tracking enhanced by quantum squeezing. *Photonics Research*, **2019**, 7, A14	6	22

191	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
190	Few-Layer PbI Nanoparticle: A 2D Semiconductor with Lateral Quantum Confinement. *Journal of Physical Chemistry Letters*, **2019**, 10, 7863-7869	6.4	3
189	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	62.3	463
188	Coherent exciton-phonon coupling in perovskite semiconductor nanocrystals studied by two-dimensional electronic spectroscopy. *Applied Physics Letters*, **2019**, 115, 243101	3.4	12
187	Optomechanically induced entanglement. *Physical Review A*, **2019**, 99,	2.6	8
186	Generating Controllable Laguerre-Gaussian Laser Modes Through Intracavity Spin-Orbital Angular Momentum Conversion of Light. *Physical Review Applied*, **2019**, 11,	4.3	25
185	Composition-Dependent Energy Splitting between Bright and Dark Excitons in Lead Halide Perovskite Nanocrystals. *Nano Letters*, **2018**, 18, 2074-2080	11.5	59
184	Singlet exciton fission in a linear tetracene tetramer. *Journal of Materials Chemistry C*, **2018**, 6, 3245-3253	7.1	26
183	Photon antibunching in a cluster of giant CdSe/CdS nanocrystals. *Nature Communications*, **2018**, 9, 1536	17.4	22
182	Transient electronic anisotropy in overdoped NaFe1−xCoxAs superconductors. *Physical Review B*, **2018**, 97,	3.3	2
181	Observation of electromagnetically induced Talbot effect in an atomic system. *Physical Review A*, **2018**, 97,	2.6	26
180	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	35.4	59
179	Orbital angular momentum-enhanced measurement of rotation vibration using a Sagnac interferometer. *Optics Express*, **2018**, 26, 1997-2005	3.3	22
178	Controllable photonic crystal with periodic Raman gain in a coherent atomic medium. *Optics Letters* , **2018**, 43, 919-922	3	9
177	Parity-Time-Symmetric Optical Lattice with Alternating Gain and Loss Atomic Configurations. *Laser and Photonics Reviews*, **2018**, 12, 1800155	8.3	29
176	Broadband Variable Meta-Axicons Based on Nano-Aperture Arrays in a Metallic Film. *Scientific Reports*, **2018**, 8, 11591	4.9	11
175	Experimental demonstration of a three-dimensional lithium niobate nonlinear photonic crystal. *Nature Photonics*, **2018**, 12, 596-600	33.9	117
174	Highly Flexible and Efficient All-Polymer Solar Cells with High-Viscosity Processing Polymer Additive toward Potential of Stretchable Devices. *Angewandte Chemie*, **2018**, 130, 13461-13466	3.6	6

173	Highly Flexible and Efficient All-Polymer Solar Cells with High-Viscosity Processing Polymer Additive toward Potential of Stretchable Devices. *Angewandte Chemie - International Edition*, **2018**, 57, 13277-13282	16.4	117
172	Tin-Based Perovskite with Improved Coverage and Crystallinity through Tin-Fluoride-Assisted Heterogeneous Nucleation. *Advanced Optical Materials*, **2018**, 6, 1700615	8.1	44
171	Feasible D1AD2A Random Copolymers for Simultaneous High-Performance Fullerene and Nonfullerene Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1702166	21.8	53
170	Controllable generation of second-harmonic vortex beams through nonlinear supercell grating. *Applied Physics Letters*, **2018**, 113, 221101	3.4	8
169	Cavity-Free Optical Isolators and Circulators Using a Chiral Cross-Kerr Nonlinearity. *Physical Review Letters*, **2018**, 121, 203602	7.4	66
168	Parity-time symmetry in optical microcavity systems. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2018**, 51, 222001	1.3	24
167	Multiple Dark Excitons in Semiconductor CdSe Nanocrystals. *Journal of Physical Chemistry C*, **2018**, 122, 23758-23763	3.8	1
166	New Insights into the Multiexciton Dynamics in Phase-Pure Thick-Shell CdSe/CdS Quantum Dots. *Journal of Physical Chemistry C*, **2018**, 122, 25059-25066	3.8	7
165	Transmission Nonreciprocity in a Mutually Coupled Circulating Structure. *Physical Review Letters*, **2018**, 120, 203904	7.4	32
164	Realization of controllable photonic molecule based on three ultrahigh-Q microtoroid cavities. *Laser and Photonics Reviews*, **2017**, 11, 1600178	8.3	25
163	A Covalently Linked Tetracene Trimer: Synthesis and Singlet Exciton Fission Property. *Organic Letters*, **2017**, 19, 580-583	6.2	44
162	Two-dimensional Talbot self-imaging via Electromagnetically induced lattice. *Scientific Reports*, **2017**, 7, 41790	4.9	11
161	Tunable diffraction-free array in nonlinear photonic crystal. *Scientific Reports*, **2017**, 7, 40856	4.9	5
160	Conical third-harmonic generation in a hexagonally poled LiTaO3 crystal. *Applied Physics Letters*, **2017**, 110, 111105	3.4	6
159	Series of ZnSn(OH) Polyhedra: Enhanced CO Dissociation Activation and Crystal Facet-Based Homojunction Boosting Solar Fuel Synthesis. *Inorganic Chemistry*, **2017**, 56, 5704-5709	5.1	23
158	Ultrafast Carrier Dynamics and Efficient Triplet Generation in Black Phosphorus Quantum Dots. *Journal of Physical Chemistry C*, **2017**, 121, 12972-12978	3.8	21
157	Single-Mode Lasing from "Giant" CdSe/CdS Core-Shell Quantum Dots in Distributed Feedback Structures. *ACS Applied Materials & Interfaces*, **2017**, 9, 13293-13303	9.5	16
156	Squeezing-enhanced fiber Mach-Zehnder interferometer for low-frequency phase measurement. *Applied Physics Letters*, **2017**, 110, 021106	3.4	15

155	Transport properties in the photonic super-honeycomb lattice – a hybrid fermionic and bosonic system. *Annalen Der Physik*, **2017**, 529, 1600258	2.6	21
154	Mass sensing by detecting the quadrature of a coupled light field. *Physical Review A*, **2017**, 96,	2.6	15
153	Enhanced intensity-difference squeezing via energy-level modulations in hot atomic media. *Physical Review A*, **2017**, 96,	2.6	33
152	Side Chain Engineering on Medium Bandgap Copolymers to Suppress Triplet Formation for High-Efficiency Polymer Solar Cells. *Advanced Materials*, **2017**, 29, 1703344	24	182
151	Continuous-variable entanglement generation using a hybrid PT-symmetric system. *Physical Review A*, **2017**, 96,	2.6	13
150	Controlled Correlation and Squeezing in Pr3+:Y2SiO5 to Yield Correlated Light Beams. *Physical Review Applied*, **2017**, 7,	4.3	72
149	Unveiling the Link Between Fractional Schrödinger Equation and Light Propagation in Honeycomb Lattice. *Annalen Der Physik*, **2017**, 529, 1700149	2.6	37
148	Edge States in Dynamical Superlattices. *ACS Photonics*, **2017**, 4, 2250-2256	6.3	10
147	All-Small-Molecule Nonfullerene Organic Solar Cells with High Fill Factor and High Efficiency over 10%. *Chemistry of Materials*, **2017**, 29, 7543-7553	9.6	164
146	Bright-Exciton Fine-Structure Splittings in Single Perovskite Nanocrystals. *Physical Review Letters*, **2017**, 119, 026401	7.4	90
145	Generation of robust tripartite entanglement with a single-cavity optomechanical system. *Physical Review A*, **2017**, 95,	2.6	22
144	Analysis of a triple-cavity photonic molecule based on coupled-mode theory. *Physical Review A*, **2017**, 95,	2.6	12
143	Radiation Pressure Cooling as a Quantum Dynamical Process. *Physical Review Letters*, **2017**, 118, 233604	7.4	27
142	Directly generating orbital angular momentum in second-harmonic waves with a spirally poled nonlinear photonic crystal. *Applied Physics Letters*, **2017**, 110, 261104	3.4	19
141	Coherent Exciton-Phonon Coupling in CdSe/ZnS Nanocrystals Studied by Two-Dimensional Electronic Spectroscopy. *Chinese Journal of Chemical Physics*, **2017**, 30, 637-642	0.9	1
140	Broadband two-dimensional electronic spectroscopy in an actively phase stabilized pump-probe configuration. *Optics Express*, **2017**, 25, 21115-21126	3.3	20
139	Optical Bloch oscillation and Zener tunneling in an atomic system. *Optica*, **2017**, 4, 571	8.6	24
138	Kerr frequency combs in large-size, ultra-high-Q toroid microcavities with low repetition rates [Invited]. *Photonics Research*, **2017**, 5, B54	6	18

137	Demonstration of an ultra-low-threshold phonon laser with coupled microtoroid resonators in vacuum. *Photonics Research*, **2017**, 5, 73	6	13
136	Diffraction-free beams in fractional Schrödinger equation. *Scientific Reports*, **2016**, 6, 23645	4.9	69
135	Ultralow-Threshold Single-Mode Lasing from Phase-Pure CdSe/CdS Core/Shell Quantum Dots. *Journal of Physical Chemistry Letters*, **2016**, 7, 4968-4976	6.4	23
134	Observation of Parity-Time Symmetry in Optically Induced Atomic Lattices. *Physical Review Letters*, **2016**, 117, 123601	7.4	171
133	Dynamical phonon laser in coupled active-passive microresonators. *Physical Review A*, **2016**, 94,	2.6	41
132	Control of atomic spin squeezing via quantum coherence. *Physical Review A*, **2016**, 93,	2.6	4
131	Probing Carrier Transport and Structure-Property Relationship of Highly Ordered Organic Semiconductors at the Two-Dimensional Limit. *Physical Review Letters*, **2016**, 116, 016602	7.4	180
130	Carrier Multiplication in a Single Semiconductor Nanocrystal. *Physical Review Letters*, **2016**, 116, 106404	7.4	34
129	Core–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	10	94
128	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	
127	PT symmetry in a fractional Schrödinger equation. *Laser and Photonics Reviews*, **2016**, 10, 526-531	8.3	97
126	11.4% Efficiency non-fullerene polymer solar cells with trialkylsilyl substituted 2D-conjugated polymer as donor. *Nature Communications*, **2016**, 7, 13651	17.4	822
125	Coherent optical phonon oscillation and possible electronic softening in WTe2 crystals. *Scientific Reports*, **2016**, 6, 30487	4.9	24
124	Demonstration of a chip-based optical isolator with parametric amplification. *Nature Communications*, **2016**, 7, 13657	17.4	65
123	Optomechanically tuned electromagnetically induced transparency-like effect in coupled optical microcavities. *Applied Physics Letters*, **2016**, 109, 261106	3.4	23
122	On-Chip Optical Nonreciprocity Using an Active Microcavity. *Scientific Reports*, **2016**, 6, 38972	4.9	18
121	Energy Transfer of Biexcitons in a Single Semiconductor Nanocrystal. *Nano Letters*, **2016**, 16, 2492-6	11.5	17
120	High Color Rendering Index Hybrid III-Nitride/Nanocrystals White Light-Emitting Diodes. *Advanced Functional Materials*, **2016**, 26, 36-43	15.6	41

119	Two-Photon-Pumped Perovskite Semiconductor Nanocrystal Lasers. *Journal of the American Chemical Society*, **2016**, 138, 3761-8	16.4	407
118	Slow Auger Recombination of Charged Excitons in Nonblinking Perovskite Nanocrystals without Spectral Diffusion. *Nano Letters*, **2016**, 16, 6425-6430	11.5	104
117	Cyclic permutation-time symmetric structure with coupled gain-loss microcavities. *Physical Review A*, **2015**, 91,	2.6	20
116	Photonic Floquet topological insulators in atomic ensembles. *Laser and Photonics Reviews*, **2015**, 9, 331-338	8.9	58
115	Defect-induced photoluminescence blinking of single epitaxial InGaAs quantum dots. *Scientific Reports*, **2015**, 5, 8898	4.9	10
114	Large optical nonlinearity induced by singlet fission in pentacene films. *Angewandte Chemie - International Edition*, **2015**, 54, 6222-6	16.4	21
113	Radiation-pressure-driven mechanical oscillations in silica microdisk resonators on chip. *Science China: Physics, Mechanics and Astronomy*, **2015**, 58, 1-4	3.6	1
112	Observation of discrete diffraction patterns in an optically induced lattice. *Optics Express*, **2015**, 23, 19777-82	3.3	34
111	Superior Optical Properties of Perovskite Nanocrystals as Single Photon Emitters. *ACS Nano*, **2015**, 9, 12410-6	16.7	234
110	Demonstration of ultralow-threshold 2 micrometer microlasers on chip. *Science China: Physics, Mechanics and Astronomy*, **2015**, 58, 1	3.6	14
109	Rational construction of a CdS/reduced graphene oxide/TiO2 core□shell nanostructure as an all-solid-state Z-scheme system for CO2 photoreduction into solar fuels. *RSC Advances*, **2015**, 5, 88409-88413	3.7	61
108	Propagation Dynamics of a Light Beam in a Fractional Schr□inger Equation. *Physical Review Letters*, **2015**, 115, 180403	7.4	177
107	Multi-dressing time delayed fourth- and sixth-order fluorescence processes in Pr3+:YSO. *RSC Advances*, **2015**, 5, 39449-39454	3.7	8
106	Feedback-optimized extraordinary optical transmission of continuous-variable entangled states. *Physical Review B*, **2015**, 91,	3.3	11
105	Quantum noise effects with Kerr-nonlinearity enhancement in coupled gain-loss waveguides. *Physical Review A*, **2015**, 91,	2.6	39
104	Dressed Gain from the Parametrically Amplified Four-Wave Mixing Process in an Atomic Vapor. *Scientific Reports*, **2015**, 5, 15058	4.9	32
103	Magnetic dipolar interaction between correlated triplets created by singlet fission in tetracene crystals. *Nature Communications*, **2015**, 6, 8602	17.4	45
102	Electromagnetically Induced Entanglement. *Scientific Reports*, **2015**, 5, 13609	4.9	15

101	Phase Modulation in Rydberg Dressed Multi-Wave Mixing processes. *Scientific Reports*, **2015**, 5, 10462	4.9	20
100	Large Optical Nonlinearity Induced by Singlet Fission in Pentacene Films. *Angewandte Chemie*, **2015**, 127, 6320-6324	3.6	1
99	Modeling of On-Chip Optical Nonreciprocity with an Active Microcavity. *Photonics*, **2015**, 2, 498-508	2.2	10
98	High-Q silica microdisk optical resonators with large wedge angles on a silicon chip. *Photonics Research*, **2015**, 3, 279	6	11
97	Parametrically amplified bright-state polariton of four- and six-wave mixing in an optical ring cavity. *Scientific Reports*, **2014**, 4, 3619	4.9	27
96	Mott behavior in KxFe2ySe2 superconductors studied by pump-probe spectroscopy. *Physical Review B*, **2014**, 89,	3.3	23
95	Mo-O bond doping and related-defect assisted enhancement of photoluminescence in monolayer MoS2. *AIP Advances*, **2014**, 4, 123004	1.5	52
94	Parity–time symmetry and variable optical isolation in active–passive-coupled microresonators. *Nature Photonics*, **2014**, 8, 524-529	33.9	665
93	Nonlinear Density Dependence of Singlet Fission Rate in Tetracene Films. *Journal of Physical Chemistry Letters*, **2014**, 5, 3462-7	6.4	14
92	Diffraction interference induced superfocusing in nonlinear Talbot effect. *Scientific Reports*, **2014**, 4, 6134	4.9	17
91	Giant up-conversion efficiency of InGaAs quantum dots in a planar microcavity. *Scientific Reports*, **2014**, 4, 3953	4.9	4
90	Polarization-dependent exciton dynamics in tetracene single crystals. *Journal of Chemical Physics*, **2014**, 141, 244303	3.9	23
89	All-optically controlled fourth- and sixth-order fluorescence processes of Pr3+:YSO. *Applied Physics Letters*, **2014**, 104, 051912	3.4	20
88	Two-photon dynamics in coherent Rydberg atomic ensemble. *Physical Review Letters*, **2014**, 112, 133606	7.4	91
87	Coherent control of dressed images of four-wave mixing. *Frontiers of Physics*, **2013**, 8, 228-235	3.7	4
86	PT-symmetric optical potentials in a coherent atomic medium. *Physical Review A*, **2013**, 88,	2.6	66
85	Coherent Modulation of Photonic Band Gap in FWM Process **2013**, 255-309		
84	Defect recombination induced by density-activated carrier diffusion in nonpolar InGaN quantum wells. *Applied Physics Letters*, **2013**, 103, 123506	3.4	4

83	An In Situ Simultaneous Reduction-Hydrolysis Technique for Fabrication of TiO2-Graphene 2D Sandwich-Like Hybrid Nanosheets: Graphene-Promoted Selectivity of Photocatalytic-Driven Hydrogenation and Coupling of CO2 into Methane and Ethane. *Advanced Functional Materials*, **2013**, 23, 1743-1749	15.6	318
82	Ultrafast pump-probe spectroscopic signatures of superconducting and pseudogap phases in YBa2Cu3O7−δ films. *Journal of Applied Physics*, **2013**, 113, 083901	2.5	5
81	Quantum limits for cascaded optical parametric amplifiers. *Physical Review A*, **2013**, 87,	2.6	12
80	The Talbot effect: recent advances in classical optics, nonlinear optics, and quantum optics. *Advances in Optics and Photonics*, **2013**, 5, 83	16.7	230
79	Spatial domain interactions between ultraweak optical beams. *Physical Review Letters*, **2013**, 111, 223601	7.4	8
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