

Qihuang Gong

List of Publications by Year in Descending Order

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

395 papers	11,425 citations	53 h-index	91 g-index
441 ext. papers	14,359 ext. citations	7 avg, IF	6.7 L-index

#	Paper	IF	Citations
395	Chemical Polishing of Perovskite Surface Enhances Photovoltaic Performances.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	11
394	Single-molecule optofluidic microsensor with interface whispering gallery modes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	10
393	Correction to Exotic Coupling Between Plasmonic Nanoparticles Through Geometric Configurations□ <i>Journal of Lightwave Technology</i> , 2022 , 40, 918-918	4	
392	Probing the orbital angular momentum of intense vortex pulses with strong-field ionization.. <i>Light: Science and Applications</i> , 2022 , 11, 34	16.7	3
391	The potential and global outlook of integrated photonics for quantum technologies. <i>Nature Reviews Physics</i> , 2022 , 4, 194-208	23.6	20
390	Vibrational Kerr Solitons in an Optomechanical Microresonator.. <i>Physical Review Letters</i> , 2022 , 128, 073901	11.5	0
389	Topologically protected quantum entanglement emitters. <i>Nature Photonics</i> , 2022 , 16, 248-257	33.9	4
388	A programmable qudit-based quantum processor.. <i>Nature Communications</i> , 2022 , 13, 1166	17.4	5
387	Probing Molecular Frame Wigner Time Delay and Electron Wavepacket Phase Structure of CO Molecule. <i>Ultrafast Science</i> , 2022 , 2022, 1-10		0
386	Probing tunneling dynamics of dissociative H ₂ molecules using two-color bicircularly polarized fields. <i>Physical Review A</i> , 2021 , 104,	2.6	2
385	Mechanochemistry Advances High-Performance Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , e2107440	42.0	13
384	Near-Field Imaging and Time-Domain Dynamics of Photonic Topological Edge States in Plasmonic Nanochains. <i>Nano Letters</i> , 2021 , 21, 9270-9278	11.5	4
383	Toward Microlasers with Artificial Structure Based on Single-Crystal Ultrathin Perovskite Films. <i>Nano Letters</i> , 2021 , 21, 8650-8656	11.5	4
382	Multiplexing Vectorial Holographic Images with Arbitrary Metaholograms (Advanced Optical Materials 20/2021). <i>Advanced Optical Materials</i> , 2021 , 9, 2170080	8.1	
381	All-optical binary computation based on inverse design method. <i>Nanophotonics</i> , 2021 ,	6.3	1
380	Mapping Trap Dynamics in a CsPbBr ₃ Single-Crystal Microplate by Ultrafast Photoemission Electron Microscopy. <i>Nano Letters</i> , 2021 , 21, 2932-2938	11.5	8
379	Quantum State Transfer with Seamless Frequency-Connection Through Diamond Optomechanical Cavity. <i>Advanced Quantum Technologies</i> , 2021 , 4, 2000127	4.3	

378	Quantum Topological Photonics. <i>Advanced Optical Materials</i> , 2021 , 9, 2001739	8.1	4
377	Ultrafast extreme ultraviolet photoemission electron microscope. <i>Review of Scientific Instruments</i> , 2021 , 92, 043709	1.7	1
376	Dielectric screening in perovskite photovoltaics. <i>Nature Communications</i> , 2021 , 12, 2479	17.4	22
375	Perovskite Solar Cells for Space Applications: Progress and Challenges. <i>Advanced Materials</i> , 2021 , 33, e2006545	24	53
374	A generalized multipath delayed-choice experiment on a large-scale quantum nanophotonic chip. <i>Nature Communications</i> , 2021 , 12, 2712	17.4	6
373	Synthesized soliton crystals. <i>Nature Communications</i> , 2021 , 12, 3179	17.4	15
372	Imaging and Controlling Photonic Modes in Perovskite Microcavities. <i>Advanced Materials</i> , 2021 , 33, e2100775	17.4	2
371	Strong-field photoionization of intense laser fields by controlling optical singularities. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	3
370	Advances in Photonic Devices Based on Optical Phase-Change Materials. <i>Molecules</i> , 2021 , 26,	4.8	3
369	Single-mode characteristic of a supermode microcavity Raman laser. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
368	Encircling an exceptional point in a multiwaveguide anti-parity-time-symmetry system. <i>Physical Review A</i> , 2021 , 103,	2.6	1
367	Probing the Spin-Orbit Time Delay of Multiphoton Ionization of Kr by Bicircular Fields. <i>Physical Review Letters</i> , 2021 , 126, 223001	7.4	3
366	Multiplexing Vectorial Holographic Images with Arbitrary Metaholograms. <i>Advanced Optical Materials</i> , 2021 , 9, 2100626	8.1	7
365	Advances in Silicon Quantum Photonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 27, 1-24	3.8	10
364	Photoelectronic mapping of the spin-orbit interaction of intense light fields. <i>Nature Photonics</i> , 2021 , 15, 115-120	33.9	14
363	Engineering of Electron Confinement through Defect-Based Localized Polarization on SrTiO ₃ Surface. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000968	6.4	2
362	Absorption Reduction of Large Purcell Enhancement Enabled by Topological State-Led Mode Coupling. <i>Physical Review Letters</i> , 2021 , 126, 023901	7.4	8
361	Buried Interfaces in Halide Perovskite Photovoltaics. <i>Advanced Materials</i> , 2021 , 33, e2006435	24	83

- 360 Exotic Coupling Between Plasmonic Nanoparticles Through Geometric Configurations. *Journal of Lightwave Technology*, **2021**, 1-1 4 3
- 359 Spectromicroscopy and imaging of photoexcited electron dynamics at in-plane silicon pn junctions. *Nanoscale*, **2021**, 13, 2626-2631 7.7 0
- 358 Ultrafast All-Optical Polarization Switching Based on Composite Metasurfaces with Gratings and an Epsilon-Near-Zero Film. *Advanced Photonics Research*, **2021**, 2, 2000167 1.9 3
- 357 1/f-noise-free optical sensing with an integrated heterodyne interferometer. *Nature Communications*, **2021**, 12, 1973 17.4 6
- 356 Information transfer from the optical phase to a plasmonic digital encoder composed of a gold nanorod pair. *Optics Letters*, **2021**, 46, 1628-1631 3 0
- 355 Effects of Intercalation on the Interlayer Electron-Transfer Process in Mo-Based Multilayered MXene Flakes. *Journal of Physical Chemistry C*, **2021**, 125, 17232-17240 3.8 2
- 354 Complete characterization of sub-Coulomb-barrier tunnelling with phase-of-phase attoclock. *Nature Photonics*, **2021**, 15, 765-771 33.9 3
- 353 Remote Generation of Magnon Schrödinger Cat State via Magnon-Photon Entanglement. *Physical Review Letters*, **2021**, 127, 087203 7.4 12
- 352 Laser-induced electron Fresnel diffraction by XUV pulses at extreme intensity. *Physical Review A*, **2021**, 104, 2.6 2
- 351 Quantum Topological Photonics (Advanced Optical Materials 15/2021). *Advanced Optical Materials*, **2021**, 9, 2170056 8.1
- 350 Nondipole effects in interference patterns of a two-electron wave. *Physical Review A*, **2021**, 104, 2.6 4
- 349 Regulated Photon Transport in Chaotic Microcavities by Tailoring Phase Space.. *Physical Review Letters*, **2021**, 127, 273902 7.4 1
- 348 Green Solution-Bathing Process for Efficient Large-Area Planar Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 24905-24912 9.5 12
- 347 Dynamical interference of H and H₂⁺ in one-photon ionization. *Physical Review A*, **2020**, 101, 2.6 1
- 346 Chaos-assisted two-octave-spanning microcombs. *Nature Communications*, **2020**, 11, 2336 17.4 36
- 345 Doubly excited electron-ion angular momentum transfer in parity-unfavored multiphoton ionization. *Physical Review A*, **2020**, 101, 2.6 4
- 344 Steering valley-polarized emission of monolayer MoS sandwiched in plasmonic antennas. *Science Advances*, **2020**, 6, eaao0019 14.3 25
- 343 Ultrafast Electron Cooling and Decay in Monolayer WS Revealed by Time- and Energy-Resolved Photoemission Electron Microscopy. *Nano Letters*, **2020**, 20, 3747-3753 11.5 22

342	Topological Phase Transition in the Non-Hermitian Coupled Resonator Array. <i>Physical Review Letters</i> , 2020 , 125, 013902	7.4	10
341	Reconfigurable symmetry-broken laser in a symmetric microcavity. <i>Nature Communications</i> , 2020 , 11, 1136	17.4	14
340	Photon Momentum Transfer in Single-Photon Double Ionization of Helium. <i>Physical Review Letters</i> , 2020 , 124, 043201	7.4	9
339	High-Performance CsPbI ₃ Br _{3-x} All-Inorganic Perovskite Solar Cells with Efficiency over 18% via Spontaneous Interfacial Manipulation. <i>Advanced Functional Materials</i> , 2020 , 30, 2000457	15.6	71
338	Super-resolution fluorescence-assisted diffraction computational tomography reveals the three-dimensional landscape of the cellular organelle interactome. <i>Light: Science and Applications</i> , 2020 , 9, 11	16.7	34
337	Rapid Fabrication of Continuous Surface Fresnel Microlens Array by Femtosecond Laser Focal Field Engineering. <i>Micromachines</i> , 2020 , 11,	3.3	11
336	Low-power all-optical tunable sharp trapped-mode resonances in asymmetrical planar WS ₂ exciton-polariton gratings. <i>Applied Physics Letters</i> , 2020 , 116, 161111	3.4	3
335	Correlation between Near-Field Enhancement and Dephasing Time in Plasmonic Dimers. <i>Physical Review Letters</i> , 2020 , 124, 163901	7.4	12
334	Probing photoionization dichroism of excited electron ring currents by chiral photoelectron spectroscopy. <i>Physical Review A</i> , 2020 , 101,	2.6	1
333	Ultra-high-Q Asymmetric Microcavity 2020 , 359-399		
332	Deterministic Distribution of Multipartite Entanglement and Steering in a Quantum Network by Separable States. <i>Physical Review Letters</i> , 2020 , 125, 260506	7.4	7
331	AI-assisted on-chip nanophotonic convolver based on silicon metasurface. <i>Nanophotonics</i> , 2020 , 9, 3315-3322	8.322	8
330	Symmetry-tailored patterns and polarizations of single-photon emission. <i>Nanophotonics</i> , 2020 , 9, 3557-3565	36.95	5
329	Broadband dispersive free, large, and ultrafast nonlinear material platforms for photonics. <i>Nanophotonics</i> , 2020 , 9, 4609-4618	6.3	4
328	Polarization-selected nonlinearity transition in gold dolmens coupled to an epsilon-near-zero material. <i>Nanophotonics</i> , 2020 , 9, 4839-4851	6.3	6
327	Influence of non-equilibrium electron dynamics on photoluminescence of metallic nanostructures. <i>Nanotechnology</i> , 2020 , 31, 495204	3.4	2
326	Layered localization in a chaotic optical cavity. <i>Physical Review E</i> , 2020 , 102, 062208	2.4	1
325	Chip-to-chip quantum teleportation and multi-photon entanglement in silicon. <i>Nature Physics</i> , 2020 , 16, 148-153	16.2	77

324	Minimizing non-radiative recombination losses in perovskite solar cells. <i>Nature Reviews Materials</i> , 2020 , 5, 44-60	73.3	428
323	Transient Spectral Fluctuations of Single Molecules Revealed using an Optical Antenna. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 18219-18225	3.8	
322	Study of the Formation Dynamics of OH from the Photolysis of O by Ultrashort Laser Pulses. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6482-6486	6.4	
321	Enlarging the Purcell Enhancement by Inserting a Dielectric Film in Dielectric-Loaded Surface-Plasmon-Polariton Waveguides. <i>Advanced Quantum Technologies</i> , 2020 , 3, 2000033	4.3	1
320	All-Optical Mode-Selective Router Based on Broken Anti-PT Symmetry. <i>Physical Review Applied</i> , 2020 , 14,	4.3	1
319	Formation Mechanism of Excited Neutral Nitrogen Molecules Pumped by Intense Femtosecond Laser Pulses. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7702-7708	6.4	4
318	Superior Carrier Lifetimes Exceeding 6 μ s in Polycrystalline Halide Perovskites. <i>Advanced Materials</i> , 2020 , 32, e2002585	24	64
317	Relaxation and transfer of photoexcited electrons at a coplanar few-layer 1 T π /2H-MoTe $_2$ heterojunction. <i>Communications Materials</i> , 2020 , 1,	6	5
316	Timing angular momentum transfer for parity-unfavored transitions in multiphoton ionization. <i>Physical Review A</i> , 2020 , 102,	2.6	1
315	Single-nanorod plasmon nanolaser: A route toward a three-dimensional ultraconfined lasing mode. <i>Physical Review A</i> , 2020 , 102,	2.6	1
314	Femtosecond Laser Direct Writing of Integrated Photonic Quantum Chips for Generating Path-Encoded Bell States. <i>Micromachines</i> , 2020 , 11,	3.3	3
313	Exciton polaritons based on planar dielectric Si asymmetric nanogratings coupled with J-aggregated dyes film. <i>Frontiers of Optoelectronics</i> , 2020 , 13, 4-11	2.8	4
312	Super-resolution nanoscopy by coherent control on nanoparticle emission. <i>Science Advances</i> , 2020 , 6, eaaw6579	14.3	5
311	Microcavity Nonlinear Optics with an Organically Functionalized Surface. <i>Physical Review Letters</i> , 2019 , 123, 173902	7.4	28
310	Regular-Orbit-Engineered Chaotic Photon Transport in Mixed Phase Space. <i>Physical Review Letters</i> , 2019 , 123, 173903	7.4	5
309	Schrödinger cat states and steady states in subharmonic generation with Kerr nonlinearities. <i>Physical Review A</i> , 2019 , 100,	2.6	8
308	Spin-Switched Three-Dimensional Full-Color Scenes Based on a Dielectric Meta-hologram. <i>ACS Photonics</i> , 2019 , 6, 2910-2916	6.3	23
307	Engineering Ultrafast Carrier Dynamics at the Graphene/GaAs Interface by Bulk Doping Level. <i>Advanced Optical Materials</i> , 2019 , 7, 1900580	8.1	5

306	Spintronics of Hybrid Organic-Inorganic Perovskites: Miraculous Basis of Integrated Optoelectronic Devices. <i>Advanced Optical Materials</i> , 2019 , 7, 1900350	8.1	33
305	Plasmon-induced transparency effect for ultracompact on-chip devices. <i>Nanophotonics</i> , 2019 , 8, 1125-1149	4.9	22
304	Generalized Spatial Differentiation from the Spin Hall Effect of Light and Its Application in Image Processing of Edge Detection. <i>Physical Review Applied</i> , 2019 , 11,	4.3	102
303	Rapid Two-Photon Polymerization of an Arbitrary 3D Microstructure with 3D Focal Field Engineering. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900041	4.8	29
302	Photoluminescence Quantum Yield from Gold Nanorods: Dependence on Excitation Polarization. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 9358-9363	3.8	6
301	Proposal for Measuring Electron Displacement Induced by a Short Laser Pulse. <i>Physical Review Letters</i> , 2019 , 122, 053201	7.4	11
300	Unifying Tunneling Pictures of Strong-Field Ionization with an Improved Attoclock. <i>Physical Review Letters</i> , 2019 , 123, 073201	7.4	13
299	Electromagnetically and optomechanically induced transparency and amplification in an atom-assisted cavity optomechanical system. <i>Physical Review A</i> , 2019 , 100,	2.6	12
298	Contribution of Floquet-Bloch states to high-order harmonic generation in solids. <i>Physical Review A</i> , 2019 , 100,	2.6	6
297	Engineering asymmetric steady-state Einstein-Podolsky-Rosen steering in macroscopic hybrid systems. <i>Physical Review A</i> , 2019 , 100,	2.6	6
296	Enhanced Coherent Emission from Ionized Nitrogen Molecules by Femtosecond Laser Pulses. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6598-6603	6.4	11
295	Ultracompact and Unidirectional On-Chip Light Source Based on Epsilon-Near-Zero Materials in an Optical Communication Range. <i>Physical Review Applied</i> , 2019 , 12,	4.3	6
294	Synchronization and temporal nonreciprocity of optical microresonators via spontaneous symmetry breaking. <i>Advanced Photonics</i> , 2019 , 1, 1	8.1	5
293	Manipulation and enhancement of asymmetric steering via interference effects induced by closed-loop coupling. <i>Physical Review A</i> , 2019 , 99,	2.6	13
292	Mixed-cation perovskite solar cells in space. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	85
291	Quantum effect of laser-induced rescattering from the tunneling barrier. <i>Physical Review A</i> , 2019 , 99,	2.6	2
290	Chiral cavity quantum electrodynamics with coupled nanophotonic structures. <i>Physical Review A</i> , 2019 , 100,	2.6	13
289	In situ scattering of single gold nanorod coupling with monolayer transition metal dichalcogenides. <i>Nanoscale</i> , 2019 , 11, 20734-20740	7.7	4

- 288 Symmetry-breaking-induced nonlinear optics at a microcavity surface. *Nature Photonics*, **2019**, 13, 21-24 33.9 100
- 287 Nanoscale all-optical logic devices. *Science China: Physics, Mechanics and Astronomy*, **2019**, 62, 1 3.6 13
- 286 Accurate in situ Measurement of Ellipticity Based on Subcycle Ionization Dynamics. *Physical Review Letters*, **2019**, 122, 013203 7.4 5
- 285 Universal Description of the Attoclock with Two-Color Corotating Circular Fields. *Physical Review Letters*, **2019**, 122, 013201 7.4 21
- 284 Exotic Mode Suppression in Plasmonic Heterotrimer System. *Journal of Physical Chemistry C*, **2019**, 123, 1398-1405 3.8 4
- 283 Multidimensional quantum entanglement with large-scale integrated optics. *Science*, **2018**, 360, 285-291 33.3 337
- 282 Light Emission from Plasmonic Nanostructures Enhanced with Fluorescent Nanodiamonds. *Scientific Reports*, **2018**, 8, 3605 4.9 16
- 281 High-order harmonic generation from a two-dimensional band structure. *Physical Review A*, **2018**, 97, 013801 2.6 24
- 280 Epsilon-Near-Zero Photonics: A New Platform for Integrated Devices. *Advanced Optical Materials*, **2018**, 6, 1701292 8.1 97
- 279 In situ Optical Study of Gold Nanorod Coupling with Graphene. *Advanced Optical Materials*, **2018**, 6, 1701043 8.1 6
- 278 Attoclock Photoelectron Interferometry with Two-Color Corotating Circular Fields to Probe the Phase and the Amplitude of Emitting Wave Packets. *Physical Review Letters*, **2018**, 120, 073202 7.4 48
- 277 Energy- and Momentum-Resolved Photoelectron Spin Polarization in Multiphoton Ionization of Xe by Circularly Polarized Fields. *Physical Review Letters*, **2018**, 120, 043201 7.4 33
- 276 Universal Linear-Optical Logic Gate with Maximal Intensity Contrast Ratios. *ACS Photonics*, **2018**, 5, 11376-11383 11.43 13
- 275 Plasmonic-Functionalized Broadband Perovskite Photodetector. *Advanced Optical Materials*, **2018**, 6, 1701271 8.1 63
- 274 Thermo-optical Tunable Ultracompact Chip-Integrated 1D Photonic Topological Insulator. *Advanced Optical Materials*, **2018**, 6, 1701071 8.1 19
- 273 On-Chip Spiral Waveguides for Ultrasensitive and Rapid Detection of Nanoscale Objects. *Advanced Materials*, **2018**, 30, e1800262 24 36
- 272 Optimizing the 391-nm lasing intensity from ionized nitrogen molecules in 800-nm femtosecond laser fields. *Physical Review A*, **2018**, 97, 013801 2.6 17
- 271 All-optical tunable dual Fano resonance in nonlinear metamaterials in optical communication range. *Journal of Modern Optics*, **2018**, 65, 206-212 1.1 4

270	Sensors: On-Chip Spiral Waveguides for Ultrasensitive and Rapid Detection of Nanoscale Objects (Adv. Mater. 25/2018). <i>Advanced Materials</i> , 2018 , 30, 1870183	24	
269	Perovskite Solar Cells: Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation (Adv. Energy Mater. 22/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870101	21.8	1
268	Chiral-Plasmon-Tuned Potentials for Atom Trapping at the Nanoscale. <i>Advanced Optical Materials</i> , 2018 , 6, 1800261	8.1	2
267	Twin Domains in Organometallic Halide Perovskite Thin-Films. <i>Crystals</i> , 2018 , 8, 216	2.3	11
266	Perovskite Single-Crystal Microarrays for Efficient Photovoltaic Devices. <i>Chemistry of Materials</i> , 2018 , 30, 4590-4596	9.6	21
265	Probing time delays and coherent imaging of multiphoton resonant ionization. <i>Physical Review A</i> , 2018 , 98,	2.6	5
264	High-contrast switching and high-efficiency extracting for spontaneous emission based on tunable gap surface plasmon. <i>Scientific Reports</i> , 2018 , 8, 11244	4.9	8
263	Mode splitting induced by an arbitrarily shaped Rayleigh scatterer in a whispering-gallery microcavity. <i>Physical Review A</i> , 2018 , 97,	2.6	12
262	Strong-field ionization of diatomic molecules in orthogonally polarized two-color fields. <i>Physical Review A</i> , 2018 , 97,	2.6	5
261	Topological properties of coupled resonator array based on accurate band structure. <i>Physical Review Materials</i> , 2018 , 2,	3.2	6
260	Reconfigurable topological states in valley photonic crystals. <i>Physical Review Materials</i> , 2018 , 2,	3.2	14
259	Manipulation of the dephasing time by strong coupling between localized and propagating surface plasmon modes. <i>Nature Communications</i> , 2018 , 9, 4858	17.4	52
258	Photon-momentum transfer in diatomic molecules: An ab initio study. <i>Physical Review A</i> , 2018 , 98,	2.6	7
257	Diboron-Assisted Interfacial Defect Control Strategy for Highly Efficient Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2018 , 30, e1805085	24	101
256	A Tunable Optofluidic Microlaser in a Photostable Conjugated Polymer. <i>Advanced Materials</i> , 2018 , 30, e1804556	24	28
255	One-Step Co-Evaporation of All-Inorganic Perovskite Thin Films with Room-Temperature Ultralow Amplified Spontaneous Emission Threshold and Air Stability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40661-40671	9.5	55
254	Electro-Optic Modulators: On-Chip Dual Electro-Optic and Optoelectric Modulation Based on ZnO Nanowire-Coated Photonic Crystal Nanocavity (Advanced Optical Materials 17/2018). <i>Advanced Optical Materials</i> , 2018 , 6, 1870069	8.1	
253	Hybrid Metal-Dielectric Nano-Aperture Antenna for Surface Enhanced Fluorescence. <i>Materials</i> , 2018 , 11,	3.5	7

252	Stimulated-Raman-scattering-assisted superfluorescence enhancement from ionized nitrogen molecules in 800-nm femtosecond laser fields. <i>Physical Review A</i> , 2018 , 98,	2.6	11
251	Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation. <i>Advanced Energy Materials</i> , 2018 , 8, 1800232	21.8	59
250	Structural surface wave properties of amorphous Bi ₂ Te ₃ by pulsed laser deposition in the visible and near-infrared regions. <i>AIP Advances</i> , 2018 , 8, 065324	1.5	2
249	Optically sizing single atmospheric particulates with a 10-nm resolution using a strong evanescent field. <i>Light: Science and Applications</i> , 2018 , 7, 18003	16.7	50
248	Enhanced photovoltage for inverted planar heterojunction perovskite solar cells. <i>Science</i> , 2018 , 360, 1442-1446	33.3	915
247	On-Chip Dual Electro-Optic and Optoelectric Modulation Based on ZnO Nanowire-Coated Photonic Crystal Nanocavity. <i>Advanced Optical Materials</i> , 2018 , 6, 1800374	8.1	6
246	Single Nanoparticle Detection Using Optical Microcavities. <i>Advanced Materials</i> , 2017 , 29, 1604920	24	171
245	Unidirectional transmission in 1D nonlinear photonic crystal based on topological phase reversal by optical nonlinearity. <i>AIP Advances</i> , 2017 , 7, 025203	1.5	16
244	Evanescent-Vacuum-Enhanced Photon-Exciton Coupling and Fluorescence Collection. <i>Physical Review Letters</i> , 2017 , 118, 073604	7.4	41
243	Density of photoinduced free carriers in perovskite thin films via purely optical detection. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3283-3287	7.1	2
242	Experimental Demonstration of Spontaneous Chirality in a Nonlinear Microresonator. <i>Physical Review Letters</i> , 2017 , 118, 033901	7.4	76
241	Multimode Metallic Double-Strip Waveguides for Polarization Manipulation. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600248	6.8	8
240	Fulde-Ferrell-Larkin-Ovchinnikov pairing states between s- and p-orbital fermions. <i>Frontiers of Physics</i> , 2017 , 12, 1	3.7	0
239	Chip-integrated all-optical diode based on nonlinear plasmonic nanocavities covered with multicomponent nanocomposite. <i>Nanophotonics</i> , 2017 , 6, 329-339	6.3	11
238	Pinhole-Free Hybrid Perovskite Film with Arbitrarily-Shaped Micro-Patterns for Functional Optoelectronic Devices. <i>Nano Letters</i> , 2017 , 17, 3563-3569	11.5	37
237	Ultracompact all-optical full-adder and half-adder based on nonlinear plasmonic nanocavities. <i>Nanophotonics</i> , 2017 , 6, 1161-1173	6.3	24
236	Room-Temperature Planar Lasers Based on Water-Dripping Microplates of Colloidal Quantum Dots. <i>ACS Photonics</i> , 2017 , 4, 1776-1784	6.3	14
235	In situ dynamic observations of perovskite crystallisation and microstructure evolution intermediated from [PbI] ₂ cage nanoparticles. <i>Nature Communications</i> , 2017 , 8, 15688	17.4	147

234	Fabrication of compact and stable perovskite films with optimized precursor composition in the fast-growing procedure. <i>Science China Materials</i> , 2017 , 60, 608-616	7.1	11
233	Detuning-determined qubit-qubit entanglement mediated by plasmons: An effective model for dissipative systems. <i>Journal of Applied Physics</i> , 2017 , 121, 203105	2.5	8
232	Dual-Source Precursor Approach for Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1604758	24	123
231	High-Performance Formamidinium-Based Perovskite Solar Cells via Microstructure-Mediated α - β Phase Transformation. <i>Chemistry of Materials</i> , 2017 , 29, 3246-3250	9.6	79
230	Fully differential study on dissociative ionization dynamics of deuteron molecules in strong elliptical laser fields. <i>Physical Review A</i> , 2017 , 95,	2.6	3
229	Ultrafast All-Optical Switching. <i>Advanced Optical Materials</i> , 2017 , 5, 1600665	8.1	105
228	Effects of orbital and Coulomb potential in strong-field nonadiabatic tunneling ionization of atoms. <i>Physical Review A</i> , 2017 , 96,	2.6	7
227	Chaos-assisted broadband momentum transformation in optical microresonators. <i>Science</i> , 2017 , 358, 344-347	33.3	159
226	Plasmonic Polarization-Rotating Emitters with Metallic Nanogroove Antennas. <i>Advanced Optical Materials</i> , 2017 , 5, 1700510	8.1	8
225	Ultralow-Power All-Optical Logic Data Distributor Based on Resonant Excitation Enhanced Nonlinearity by Upconversion Radiative Transfer. <i>Advanced Optical Materials</i> , 2017 , 5, 1700360	8.1	5
224	Experimental verification of the nonadiabatic effect in strong-field ionization with elliptical polarization. <i>Physical Review A</i> , 2017 , 95,	2.6	28
223	Numerical observation of two sets of low-order harmonics near the ionization threshold. <i>Physical Review A</i> , 2017 , 96,	2.6	5
222	Asymmetry in attosecond streaking from a degenerate state. <i>Physical Review A</i> , 2017 , 96,	2.6	1
221	An on-chip polarization splitter based on the radiation loss in the bending hybrid plasmonic waveguide structure. <i>Applied Physics Letters</i> , 2017 , 111, 101105	3.4	9
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