

Jun He

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3103661/jun-he-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

273
papers

7,567
citations

48
h-index

76
g-index

291
ext. papers

9,579
ext. citations

6.8
avg, IF

6.47
L-index

#	Paper	IF	Citations
273	Ultrafast optical spectroscopy evidence of pseudogap and electron-phonon coupling in an iron-based superconductor KCa ₂ Fe ₄ As ₄ F ₂ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2022 , 65, 1	3.6	1
272	Understanding of transverse spin angular momentum in tightly focused linearly polarized vortex beams.. <i>Optics Express</i> , 2022 , 30, 5121-5130	3.3	3
271	High-performance Memristors based on Ultrathin Two-dimensional Copper Chalcogenides.. <i>Advanced Materials</i> , 2022 , e2108313	24	9
270	Focal field properties of toroidal double-mode vector beams. <i>Optics Communications</i> , 2022 , 505, 1275142		0
269	Water-induced dual ultrahigh mobilities over 400 cm ² V ⁻¹ s ⁻¹ in 2D MoS ₂ transistors for ultralow-voltage operation and photoelectric synapse perception. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 5249-5256	7.1	1
268	Polarization-perceptual anisotropic two-dimensional ReS neuro-transistor with reconfigurable neuromorphic vision.. <i>Materials Horizons</i> , 2022 ,	14.4	7
267	Design of InAs nanosheet arrays with ultrawide polarization-independent high absorption for infrared photodetection. <i>Applied Physics Letters</i> , 2022 , 120, 071109	3.4	1
266	Giant two-photon absorption in MXene quantum dots.. <i>Optics Express</i> , 2022 , 30, 8482-8493	3.3	1
265	Nonlinear optical properties of spherical MoS ₂ /TiO ₂ composite at visible wavelengths. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 254002	3	0
264	Growth, Raman Scattering Investigation and Photodetector Properties of 2D SnP.. <i>Small</i> , 2022 , e21080171		2
263	Reducing Contact Resistance and Boosting Device Performance of Monolayer MoS by In-Situ Fe Doping.. <i>Advanced Materials</i> , 2022 , e2200885	24	8
262	Femtosecond Laser Thermal Accumulation-Triggered Micro-/Nanostructures with Patternable and Controllable Wettability Towards Liquid Manipulating.. <i>Nano-Micro Letters</i> , 2022 , 14, 97	19.5	12
261	Tunable absorptive nonlinearities of silver-modified few-layer black phosphorous nanocomposites. <i>Optik</i> , 2022 , 259, 168969	2.5	2
260	Broadband third-order nonlinear optical responses of black phosphorus nanosheets via spatial self-phase modulation using truncated Gaussian beams. <i>Optics and Laser Technology</i> , 2022 , 151, 108018	4.2	1
259	Two-dimensional noble transition-metal dichalcogenides for nanophotonics and optoelectronics: Status and prospects. <i>Nano Research</i> , 2022 , 15, 3675-3694	10	4
258	Broadband nonlinear optical properties of red fluorescent carbon dots. <i>Results in Physics</i> , 2022 , 38, 105597	3.7	1
257	Nonlinear accelerated orbiting motions of optical trapped particles through two-photon absorption. <i>Optics Letters</i> , 2021 , 46, 110-113	3	2

256	Saturable absorption and self-defocusing response of 2D monoelemental germanium nanosheets in broadband spectra. <i>Optics Express</i> , 2021 , 29, 39115-39124	3.3	3
255	Ultrafast saturable absorption of BiOI nanosheets prepared by chemical vapor transport. <i>Optics Letters</i> , 2021 , 46, 6006-6009	3	0
254	Thermodynamics Controlled Sharp Transformation from InP to GaP Nanowires via Introducing Trace Amount of Gallium. <i>Nanoscale Research Letters</i> , 2021 , 16, 49	5	3
253	Temperature evolution of quasiparticle dispersion and dynamics in semimetallic 1T ₁ Te ₂ via high-resolution angle-resolved photoemission spectroscopy and ultrafast optical pump-probe spectroscopy. <i>Physical Review B</i> , 2021 , 103,	3.3	2
252	Elimination of Interlayer Potential Barriers of Chromium Sulfide by Self-Intercalation for Enhanced Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 13055-13062	9.5	6
251	Femtosecond carrier dynamics and saturable absorption in few layer germanium sulfide. <i>Optik</i> , 2021 , 229, 166226	2.5	3
250	Recent Advances in 2D Materials for Photodetectors. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001125	6.4	17
249	Angular momentum separation in focused fractional vector beams for optical manipulation. <i>Optics Express</i> , 2021 , 29, 14705-14719	3.3	8
248	Robust Hierarchical Porous PTFE Film Fabricated via Femtosecond Laser for Self-Cleaning Passive Cooling. <i>Nano Letters</i> , 2021 , 21, 4209-4216	11.5	33
247	Modulation of Negative Differential Resistance in Black Phosphorus Transistors. <i>Advanced Materials</i> , 2021 , 33, e2008329	24	3
246	Improved magnetic loss and impedance matching of the FeNi-decorated Ti ₃ C ₂ T MXene composite toward the broadband microwave absorption performance. <i>Journal of Alloys and Compounds</i> , 2021 , 862, 158684	5.7	11
245	Near-Infrared Spatial Self-Phase Modulation in Ultrathin Niobium Carbide Nanosheets. <i>Frontiers in Physics</i> , 2021 , 9,	3.9	2
244	Emerging 2D Memory Devices for In-Memory Computing. <i>Advanced Materials</i> , 2021 , 33, e2007081	24	30
243	Creating a Dual-Functional 2D Perovskite Layer at the Interface to Enhance the Performance of Flexible Perovskite Solar Cells. <i>Small</i> , 2021 , 17, e2102368	11	12
242	Facile Surface Laser Modification of Nickel Foams for Efficient Water Oxidation Electrocatalysis. <i>ChemElectroChem</i> , 2021 , 8, 2124-2128	4.3	0
241	Selective area epitaxy of III \bar{V} nanostructure arrays and networks: Growth, applications, and future directions. <i>Applied Physics Reviews</i> , 2021 , 8, 021302	17.3	24
240	Using ferroelectric polarization to regulate and preserve the valley polarization in a HfN ₂ /CrI ₃ /In ₂ Se ₃ heterotrilinear. <i>Physical Review B</i> , 2021 , 103,	3.3	3
239	Ultrahigh electric and magnetic near field enhancement based on high-Q whispering gallery modes in subwavelength all-dielectric resonators. <i>Applied Physics Express</i> , 2021 , 14, 082004	2.4	3

238	Nonlinear Optical Response of SbSI Nanorods Dominated with Direct Band Gaps. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 15441-15447	3.8	3
237	In-Plane Optical and Electrical Anisotropy of 2D Black Arsenic. <i>ACS Nano</i> , 2021 , 15, 1701-1709	16.7	14
236	Overcoming barriers in photodynamic therapy harnessing nano-formulation strategies. <i>Chemical Society Reviews</i> , 2021 , 50, 9152-9201	58.5	56
235	Recent advances in femtosecond laser-structured Janus membranes with asymmetric surface wettability. <i>Nanoscale</i> , 2021 , 13, 2209-2226	7.7	49
234	The nonlinear optical transition bleaching in tellurene. <i>Nanoscale</i> , 2021 , 13, 15882-15890	7.7	3
233	Laser Fabrication of Bioinspired Gradient Surfaces for Wettability Applications. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001610	4.6	24
232	Boosting an anapole mode response through electromagnetic interactions beyond near-field limit in individual all-dielectric disk-ring nanostructures. <i>New Journal of Physics</i> , 2021 , 23, 023004	2.9	3
231	Controlled growth of transition metal dichalcogenide via thermogravimetric prediction of precursors vapor concentration. <i>Nano Research</i> , 2021 , 14, 2867-2874	10	0
230	Photoelectric Visual Adaptation Based on 0D-CsPbBr ₃ -Quantum-Dots/2D-MoS ₂ Mixed-Dimensional Heterojunction Transistor. <i>Advanced Functional Materials</i> , 2021 , 31, 2010655	15.6	31
229	Strong couplings between magnetic quantum emitters and subwavelength all-dielectric resonators with whispering gallery modes. <i>Optics Express</i> , 2021 , 29, 26028-26038	3.3	0
228	In-Plane Anisotropic Nonlinear Optical Properties of Two-Dimensional Organic-Inorganic Hybrid Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 7010-7018	6.4	4
227	High Carrier Separation Efficiency in Morphology-Controlled BiOBr/C Schottky Junctions for Photocatalytic Overall Water Splitting. <i>ACS Nano</i> , 2021 , 15, 13209-13219	16.7	17
226	Water droplet rapid spreading transport on femtosecond laser-treated photothermal and superhydrophilic surface. <i>Optics and Laser Technology</i> , 2021 , 141, 107099	4.2	2
225	Effect of the thermal-optical nonlinearity on optical trapping Rayleigh particles. <i>Optics Communications</i> , 2021 , 495, 127071	2	1
224	Thermodynamic properties of metastable wurtzite InP nanosheets. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 505112	3	
223	Reconfigurable photovoltaic effect for optoelectronic artificial synapse based on ferroelectric p-n junction. <i>Nano Research</i> , 2021 , 14, 4328	10	4
222	Logic and in-memory computing achieved in a single ferroelectric semiconductor transistor. <i>Science Bulletin</i> , 2021 , 66, 2288-2296	10.6	5
221	Dirac semimetal PdTe ₂ temperature-dependent quasiparticle dynamics and electron-phonon coupling. <i>Results in Physics</i> , 2021 , 30, 104816	3.7	3

220	Fabry-Perot cavity enhanced three-photon luminescence of atomically thin platinum diselenide. <i>Nanoscale</i> , 2021 , 13, 9031-9038	7.7	3
219	Gate-controlled ambipolar transport in b-AsP crystals and their VIS-NIR photodetection. <i>Nanoscale</i> , 2021 , 13, 10579-10586	7.7	4
218	Polymer-Decorated 2D MoS ₂ Synaptic Transistors for Biological Bipolar Metaplasticities Emulation. <i>Chinese Physics Letters</i> , 2020 , 37, 088501	1.8	18
217	Polarization rotation and singularity evolution of fundamental Poincaré beams through anisotropic Kerr nonlinearities. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 085501	1.7	2
216	Three-dimensional and temperature-dependent electronic structure of the heavy-fermion compound CePt ₂ In ₇ studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2020 , 101,	3.3	3
215	Gate-Coupling-Enabled Robust Hysteresis for Nonvolatile Memory and Programmable Rectifier in Van der Waals Ferroelectric Heterojunctions. <i>Advanced Materials</i> , 2020 , 32, e1908040	24	39
214	Facile synthesis and influences of Fe/Ni ratio on the microwave absorption performance of ultra-small FeNi-C core-shell nanoparticles. <i>Materials Research Bulletin</i> , 2020 , 126, 110837	5.1	20
213	Direct Observation of the Linear Dichroism Transition in Two-Dimensional Palladium Diselenide. <i>Nano Letters</i> , 2020 , 20, 1172-1182	11.5	42
212	Templated growth of oriented layered hybrid perovskites on 3D-like perovskites. <i>Nature Communications</i> , 2020 , 11, 582	17.4	92
211	Under-oil self-driven and directional transport of water on a femtosecond laser-processed superhydrophilic geometry-gradient structure. <i>Nanoscale</i> , 2020 , 12, 4077-4084	7.7	53
210	Direct bilayer growth: a new growth principle for a novel WSe homo-junction and bilayer WSe growth. <i>Nanoscale</i> , 2020 , 12, 3715-3722	7.7	15
209	Tunable Room-Temperature Ferromagnetism in Two-Dimensional CrTe. <i>Nano Letters</i> , 2020 , 20, 3130-3139	19.5	71
208	Anisotropic two-photon absorbers measured by the Z-scan technique and its application in laser beam shaping. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, 756	1.7	3
207	Carrier dynamics and recombination mechanisms in InP twinning superlattice nanowires. <i>Optics Express</i> , 2020 , 28, 16795-16804	3.3	6
206	Observation of spatial self-phase modulation induced via two competing mechanisms. <i>Optics Letters</i> , 2020 , 45, 2850-2853	3	9
205	Revealing the intrinsic nonlinear optical response of a single MoS ₂ nanosheet in a suspension based on spatial self-phase modulation. <i>Photonics Research</i> , 2020 , 8, 1725	6	8
204	Mechanical behaviors of radial symmetric pyramid kirigami. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 096102	0.6	0
203	Large-scale Roll-to-Roll Micro-gravure Printed Flexible PBDB-T/IT-M Bulk Heterojunction Photodetectors. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	2

202	Femtosecond laser manipulating underoil surface wettability for water removal from oil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 601, 125030	5.1	5
201	Enhanced nonlinear optical properties of alloyed AgCu glassy nanoparticles. <i>Journal of Alloys and Compounds</i> , 2020 , 819, 153003	5.7	12
200	Bridging the van der Waals Interface for Advanced Optoelectronic Devices. <i>Advanced Materials</i> , 2020 , 32, e1906874	24	16
199	Ultrafast fabrication of Cu oxide micro/nano-structures via laser ablation to promote oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2020 , 383, 123086	14.7	26
198	A Sub-10 nm Vertical Organic/Inorganic Hybrid Transistor for Pain-Perceptual and Sensitization-Regulated Nociceptor Emulation. <i>Advanced Materials</i> , 2020 , 32, e1906171	24	74
197	Optical properties of ZnO/Black Phosphorus/ZnO sandwich structures. <i>Physica B: Condensed Matter</i> , 2020 , 579, 411903	2.8	7
196	Donor-Acceptor Type Reduced Graphene-Oxide and a Tin-Selenide Nanohybrid With Broad and Ultrafast Optical Limiting Properties. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	1
195	Vertical 0D-Perovskite/2D-MoS van der Waals Heterojunction Phototransistor for Emulating Photoelectric-Synergistically Classical Pavlovian Conditioning and Neural Coding Dynamics. <i>Small</i> , 2020 , 16, e2005217	11	46
194	Two-dimensional monoelemental germanene nanosheets: facile preparation and optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16318-16325	7.1	4
193	Niobium Carbide MXenes with Broad-Band Nonlinear Optical Response and Ultrafast Carrier Dynamics. <i>ACS Nano</i> , 2020 , 14, 10492-10502	16.7	37
192	Preparation of Ag@ZnO core-shell nanostructures by liquid-phase laser ablation and investigation of their femtosecond nonlinear optical properties. <i>Applied Physics B: Lasers and Optics</i> , 2020 , 126, 1	1.9	5
191	Structure Modulation in Confined Nanoparticles: The Role of the Strain Gradient. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21810-21817	3.8	5
190	Neuromorphic Photoelectric Devices: Vertical 0D-Perovskite/2D-MoS ₂ van der Waals Heterojunction Phototransistor for Emulating Photoelectric-Synergistically Classical Pavlovian Conditioning and Neural Coding Dynamics (Small 45/2020). <i>Small</i> , 2020 , 16, 2070244	11	1
189	Nonlinear optical modulation of MoS ₂ /black phosphorus/MoS ₂ at 1550 nm. <i>Physica B: Condensed Matter</i> , 2020 , 594, 412364	2.8	7
188	Hardware implementation of photoelectrically modulated dendritic arithmetic and spike-timing-dependent plasticity enabled by an ion-coupling gate-tunable vertical 0D-perovskite/2D-MoS hybrid-dimensional van der Waals heterostructure. <i>Nanoscale</i> , 2020 , 12, 21798-21811	7.7	27
187	Smart Acid-Activatable Self-Assembly of Black Phosphorous as Photosensitizer to Overcome Poor Tumor Retention in Photothermal Therapy. <i>Advanced Functional Materials</i> , 2020 , 30, 2003338	15.6	14
186	Facet-dependent growth of InAsP quantum wells in InP nanowire and nanomembrane arrays. <i>Nanoscale Horizons</i> , 2020 , 5, 1530-1537	10.8	3
185	A new single-element layered two-dimensional semiconductor: black arsenic. <i>Journal of Semiconductors</i> , 2020 , 41, 080402	2.3	1

184	Atomically Thin Noble Metal Dichalcogenides for Phase-Regulated Meta-optics. <i>Nano Letters</i> , 2020 , 20, 7811-7818	11.5	17
183	Magnetic toroidal dipole response in individual all-dielectric nanodisk clusters. <i>Nanoscale</i> , 2020 , 12, 10639-10646	7.7	10646
182	First-principle prediction of the electronic property and carrier mobility in boron arsenide nanotubes and nanoribbons. <i>Journal of Applied Physics</i> , 2019 , 126, 124303	2.5	2
181	Robust trap effect in transition metal dichalcogenides for advanced multifunctional devices. <i>Nature Communications</i> , 2019 , 10, 4133	17.4	16
180	2D electric-double-layer phototransistor for photoelectronic and spatiotemporal hybrid neuromorphic integration. <i>Nanoscale</i> , 2019 , 11, 1360-1369	7.7	132
179	Proton-electron-coupled MoS ₂ synaptic transistors with a natural renewable biopolymer neurotransmitter for brain-inspired neuromorphic learning. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 682-691	7.1	43
178	Design of a multilayer composite absorber working in the P-band by NiZn ferrite and cross-shaped metamaterial. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	7
177	Low-frequency perfect sandwich meta-absorber based on magnetic metal. <i>Modern Physics Letters B</i> , 2019 , 33, 1950057	1.6	3
176	Engineering ultrafast charge transfer in a bismuthene/perovskite nanohybrid. <i>Nanoscale</i> , 2019 , 11, 2637-2643	7.7	38
175	Magnetic Resonated Bilayer Square-Ring Enabled Dual-Peak Metamaterial Absorber in P-Band. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019 , 32, 3593-3600	1.5	4
174	Optical pulling forces on Rayleigh particles using ambient optical nonlinearity. <i>Nanophotonics</i> , 2019 , 8, 1117-1124	6.3	7
173	Rapid Fabrication of Ni/NiO@CoFe Layered Double Hydroxide Hierarchical Nanostructures by Femtosecond Laser Ablation and Electrodeposition for Efficient Overall Water Splitting. <i>ChemSusChem</i> , 2019 , 12, 2773-2779	8.3	22
172	Conservation of the spin angular momentum in second-harmonic generation with elliptically polarized vortex beams. <i>Applied Physics Letters</i> , 2019 , 114, 101101	3.4	5
171	Three-dimensional Fermi surface and electron-phonon coupling in semimetallic 1T- TiTe ₂ studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2019 , 99,	3.3	6
170	Perfect mechanical and robust electronic properties of new carbon nanothreads: A first principles study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 111, 37-43	3	7
169	Femtosecond laser induced robust Ti foam based evaporator for efficient solar desalination. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8361-8367	13	29
168	Fully-printed, flexible cesium-doped triple cation perovskite photodetector. <i>Applied Materials Today</i> , 2019 , 15, 389-397	6.6	26
167	Unexpected benefits of stacking faults on the electronic structure and optical emission in wurtzite GaAs/GaN core/shell nanowires. <i>Nanoscale</i> , 2019 , 11, 9207-9215	7.7	14

166	Nondestructive hole doping enabled photocurrent enhancement of layered tungsten diselenide. <i>2D Materials</i> , 2019 , 6, 024002	5.9	6
165	Synthesis of bismuth selenide nanoplates by solvothermal methods and its stacking optical properties. <i>Journal of Applied Physics</i> , 2019 , 125, 035302	2.5	9
164	Valleytronics in transition metal dichalcogenides materials. <i>Nano Research</i> , 2019 , 12, 2695-2711	10	60
163	Growth and Raman Scattering Investigation of a New 2D MOX Material: YbOCl. <i>Advanced Functional Materials</i> , 2019 , 29, 1903017	15.6	12
162	Quick Optical Identification of the Defect Formation in Monolayer WSe for Growth Optimization. <i>Nanoscale Research Letters</i> , 2019 , 14, 274	5	16
161	Facile synthesis of Fe/Fe ₃ C-C core-shell nanoparticles as a high-efficiency microwave absorber. <i>Applied Surface Science</i> , 2019 , 493, 1083-1089	6.7	25
160	Ultrafast nano-structuring of superwetting Ti foam with robust antifouling and stability towards efficient oil-in-water emulsion separation. <i>Nanoscale</i> , 2019 , 11, 17607-17614	7.7	67
159	Multibit Optoelectronic Memory in Top-Floating-Gated van der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2019 , 29, 1902890	15.6	33
158	Quantum-Dot-Derived Catalysts for CO ₂ Reduction Reaction. <i>Joule</i> , 2019 , 3, 1703-1718	27.8	78
157	Modulation ferromagnetism in multiferroic BiFeO ₃ nanocrystals via bandgap engineering. <i>Applied Physics Letters</i> , 2019 , 114, 253101	3.4	6
156	A review on spatial self-phase modulation of two-dimensional materials. <i>Journal of Central South University</i> , 2019 , 26, 2295-2306	2.1	13
155	Cascaded plasmonic nanorod antenna for large broadband local electric field enhancement. <i>Chinese Physics B</i> , 2019 , 28, 107802	1.2	2
154	Hybrids of PtRu Nanoclusters and Black Phosphorus Nanosheets for Highly Efficient Alkaline Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2019 , 9, 10870-10875	13.1	45
153	Anisotropic nonlinear Kerr media: Z-scan characterization and interaction with hybridly polarized beams. <i>Optics Express</i> , 2019 , 27, 13845-13857	3.3	7
152	Reversal in optical nonlinearities of BiSe nanosheets dispersion influenced by resonance absorption. <i>Optics Express</i> , 2019 , 27, 21741-21749	3.3	1
151	Two-photon and three-photon absorption in ZnO nanocrystals embedded in AlO matrix influenced by defect states. <i>Optics Letters</i> , 2019 , 44, 179-182	3	6
150	Coherent couplings between magnetic dipole transitions of quantum emitters and dielectric nanostructures. <i>Photonics Research</i> , 2019 , 7, 1142	6	7
149	. <i>Chinese Optics Letters</i> , 2019 , 17, 061901	2.2	4

148	First-principles study of electronic structure and optical properties of nickel-doped multilayer graphene. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019 , 68, 187301	0.6	4
147	Investigation on the electromagnetic and broadband microwave absorption properties of Ti3C2 Mxene/flaky carbonyl iron composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 6537-6543	2.1	21
146	Fano interferences of electromagnetic modes in dielectric nanoblock dimers. <i>Journal of Applied Physics</i> , 2019 , 125, 063103	2.5	8
145	Recent Progress in the Fabrication, Properties, and Devices of Heterostructures Based on 2D Materials. <i>Nano-Micro Letters</i> , 2019 , 11, 13	19.5	100
144	Study on the strain-induced mechanical property modulations in monolayer Tellurene. <i>Journal of Applied Physics</i> , 2019 , 125, 064304	2.5	29
143	Computational and experimental studies on third-order optical nonlinearities of novel D-EA-EA type chalcogen derivatives: (1E,4E)-1-(4-substituted)-5-phenylpenta-1,4-dien-3-one. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2019 , 28, 1950024	0.8	3
142	Effect of the low-resistance tunnel barriers induced inhomogeneous spin current distribution in graphene crossed configuration lateral spin valve. <i>AIP Advances</i> , 2019 , 9, 115005	1.5	1
141	A unipolar nonvolatile resistive switching behavior in a layered transition metal oxide. <i>Nanoscale</i> , 2019 , 11, 20497-20506	7.7	12
140	Gapless van der Waals Heterostructures for Infrared Optoelectronic Devices. <i>ACS Nano</i> , 2019 , 13, 14519-14528	16.5	13
139	Strained effects on the thermal conductance of flexural and in-plane modes in graphene nanoribbons. <i>Modern Physics Letters B</i> , 2019 , 33, 1950383	1.6	
138	Interfacial electronic structures of MoOx/mixed perovskite photodetector. <i>Organic Electronics</i> , 2019 , 65, 162-169	3.5	22
137	Cobalt hydroxide-black phosphorus nanosheets: A superior electrocatalyst for electrochemical oxygen evolution. <i>Electrochimica Acta</i> , 2019 , 297, 40-45	6.7	22
136	Black phosphorus inverter devices enabled by in-situ aluminum surface modification. <i>Nano Research</i> , 2019 , 12, 531-536	10	26
135	Electromagnetic matching and microwave absorption abilities of Ti3SiC2 encapsulated with Ni0.5Zn0.5Fe2O4 shell. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 473, 184-189	2.8	41
134	Two-dimensional transition metal dichalcogenides: interface and defect engineering. <i>Chemical Society Reviews</i> , 2018 , 47, 3100-3128	58.5	381
133	Large-scale roll-to-roll printed, flexible and stable organic bulk heterojunction photodetector. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	37
132	Single-atom catalysts and their applications in organic chemistry. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8793-8814	13	100
131	Fano resonances in heterogeneous dimers of silicon and gold nanospheres. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	29

130	Effect of sulphur vacancy and interlayer interaction on the electronic structure and spin splitting of bilayer MoS. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 125302	1.8	23
129	Low-Temperature Processed, Efficient, and Highly Reproducible Cesium-Doped Triple Cation Perovskite Planar Heterojunction Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1700209	7.1	97
128	Solvent effects on the fluorescence and effective three-photon absorption of a Zn(II)-[meso-tetrakis(4-octyloxyphenyl)porphyrin]. <i>Optics and Laser Technology</i> , 2018 , 102, 47-53	4.2	7
127	Influences of oxygen vacancies on the enhanced nonlinear optical properties of confined ZnO quantum dots. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 345-352	5.7	17
126	Facile synthesis and excellent microwave absorption properties of FeCo-C core-shell nanoparticles. <i>Nanotechnology</i> , 2018 , 29, 085604	3.4	40
125	Enhancing the performance of planar heterojunction perovskite solar cells using stable semiquinone and amine radical modified hole transport layer. <i>Journal of Power Sources</i> , 2018 , 390, 134-141	8.9	21
124	Fast-response and high-responsivity FAXMA(1X)PbI3 photodetectors fabricated via doctor-blading deposition in ambient condition. <i>Organic Electronics</i> , 2018 , 52, 190-194	3.5	20
123	Efficient second harmonic generation in gold-silicon core-shell nanostructures. <i>Optics Express</i> , 2018 , 26, 5835-5844	3.3	10
122	Effect of temperature on dielectric response in X-band of silicon nitride ceramics prepared by gelcasting. <i>AIP Advances</i> , 2018 , 8, 075127	1.5	2
121	Abnormal nonlinear optical properties of hybrid graphene-TiO nanostructures. <i>Optics Letters</i> , 2018 , 43, 523-526	3	24
120	Coplanar Multigate MoS Electric-Double-Layer Transistors for Neuromorphic Visual Recognition. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25943-25948	9.5	74
119	Transient security transistors self-supported on biodegradable natural-polymer membranes for brain-inspired neuromorphic applications. <i>Nanoscale</i> , 2018 , 10, 14893-14901	7.7	69
118	2D library beyond graphene and transition metal dichalcogenides: a focus on photodetection. <i>Chemical Society Reviews</i> , 2018 , 47, 6296-6341	58.5	145
117	Experimental investigation on the polarization evolution characteristics of arbitrary cylindrical vector beams in uniaxial crystals orthogonal to the optical axis. <i>Optics Communications</i> , 2018 , 427, 433-438	4	4
116	Abnormal Near-Infrared Absorption in 2D Black Phosphorus Induced by Ag Nanoclusters Surface Functionalization. <i>Advanced Materials</i> , 2018 , 30, e1801931	24	35
115	Investigation on microwave dielectric behavior of flaky carbonyl iron composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 15112-15118	2.1	14
114	Enhanced electromagnetic wave absorption of NiO core-shell nanoparticles by HCP-Ni phase. <i>Materials Research Express</i> , 2018 , 5, 095013	1.7	12
113	Robust laser-structured asymmetrical PTFE mesh for underwater directional transportation and continuous collection of gas bubbles. <i>Applied Physics Letters</i> , 2018 , 112, 243701	3.4	87

112	Flexible and air-stable perovskite network photodetectors based on CH ₃ NH ₃ PbI ₃ /C ₈ BTBT bulk heterojunction. <i>Applied Physics Letters</i> , 2018 , 112, 233301	3.4	69
111	High-performance, multifunctional devices based on asymmetric van der Waals heterostructures. <i>Nature Electronics</i> , 2018 , 1, 356-361	28.4	123
110	Saturable Absorption Enchantment of Au Nanorods Based on Energy Transfer between Longitudinal and Transverse Energy Levels. <i>Chinese Physics Letters</i> , 2018 , 35, 067801	1.8	4
109	Plasmonic nanoantenna-dielectric nanocavity hybrids for ultrahigh local electric field enhancement. <i>Optics Express</i> , 2018 , 26, 31116-31128	3.3	25
108	Manipulating three-dimensional bending to extraordinarily stiffen two-dimensional membranes by interference colors. <i>Nanoscale</i> , 2018 , 10, 21782-21789	7.7	4
107	Two-dimensional black phosphorus: its fabrication, functionalization and applications. <i>Nanoscale</i> , 2018 , 10, 21575-21603	7.7	54
106	Laser Structuring of Underwater Bubble-Repellent Surface. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 8381-8385	1.3	1
105	Femtosecond laser structuring of Janus foam: Water spontaneous antigravity unidirectional penetration and pumping. <i>Applied Physics Letters</i> , 2018 , 113, 203701	3.4	51
104	Photodoping: Nonvolatile and Programmable Photodoping in MoTe ₂ for Photoresist-Free Complementary Electronic Devices (Adv. Mater. 52/2018). <i>Advanced Materials</i> , 2018 , 30, 1870402	24	1
103	Ready player one? Autophagy shapes resistance to photodynamic therapy in cancers. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2018 , 23, 587-606	5.4	22
102	Nonvolatile and Programmable Photodoping in MoTe for Photoresist-Free Complementary Electronic Devices. <i>Advanced Materials</i> , 2018 , 30, e1804470	24	49
101	Black Phosphorus: Abnormal Near-Infrared Absorption in 2D Black Phosphorus Induced by Ag Nanoclusters Surface Functionalization (Adv. Mater. 43/2018). <i>Advanced Materials</i> , 2018 , 30, 1870325	24	
100	Modulated thermal transport for flexural and in-plane phonons in double-stub graphene nanoribbons. <i>Chinese Physics B</i> , 2018 , 27, 088101	1.2	5
99	Effects of edge hydrogenation and Si doping on spin-dependent electronic transport properties of armchair boron phosphorous nanoribbons. <i>Chinese Physics B</i> , 2018 , 27, 108504	1.2	3
98	Coupled wave equation study of non-collinear phase-matching second harmonic generation and nonlinear Cherenkov radiation generated on the surface of bulk lithium niobate crystals doped with magnesium medium. <i>Journal of Applied Physics</i> , 2018 , 124, 152123	2.5	
97	Ultrafast Achievement of a Superhydrophilic/Hydrophobic Janus Foam by Femtosecond Laser Ablation for Directional Water Transport and Efficient Fog Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31433-31440	9.5	74
96	Highly Efficient, Solution-Processed CsPbI ₂ Br Planar Heterojunction Perovskite Solar Cells via Flash Annealing. <i>ACS Photonics</i> , 2018 , 5, 4104-4110	6.3	55
95	Role of surface energy in nanowire growth. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 283002	3	24

94	Tuning strain and photoluminescence of confined Au nanoparticles by hydrogen passivation. <i>RSC Advances</i> , 2017 , 7, 6875-6879	3.7	8
93	Strain Engineered Band Structure and Optical Properties of Confined GaAs Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 5800-5804	3.8	8
92	Air-Induced High-Quality CH ₃ NH ₃ PbI ₃ Thin Film for Efficient Planar Heterojunction Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6575-6580	3.8	42
91	Direct Observation of High Photoresponsivity in Pure Graphene Photodetectors. <i>Nanoscale Research Letters</i> , 2017 , 12, 93	5	22
90	The ultrafast tunable saturable absorption of metal complexes containing redox-active 1-(2-pyridylazo)-2-acenaphthequinol ligands. <i>Optical Materials</i> , 2017 , 66, 241-246	3.3	1
89	High-performance formamidinium-based perovskite photodetectors fabricated via doctor-blading deposition in ambient condition. <i>Organic Electronics</i> , 2017 , 47, 102-107	3.5	27
88	High-Performance Broadband Perovskite Photodetectors Based on CH ₃ NH ₃ PbI ₃ /C8BTBT Heterojunction. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700058	6.4	84
87	Effect of magnetic field on electronic transport in a bilayer graphene nanomesh. <i>Nanotechnology</i> , 2017 , 28, 235303	3.4	11
86	Engineering two-wire optical antennas for near field enhancement. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2017 , 25, 72-76	2.6	8
85	Monolayer AgBiPSe: an atomically thin ferroelectric semiconductor with out-plane polarization. <i>Nanoscale</i> , 2017 , 9, 8427-8434	7.7	71
84	2D MoS Neuromorphic Devices for Brain-Like Computational Systems. <i>Small</i> , 2017 , 13, 1700933	11	200
83	Enhanced thermoelectric properties in boron nitride quantum-dot. <i>Results in Physics</i> , 2017 , 7, 1487-1491	3.7	12
82	Dopant-Free Twinning Superlattice Formation in InSb and InP Nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1700310	2.5	12
81	Magnetoelectric Effect in Cofired Lead-Free Laminated (Bi _{0.5} Na _{0.5} TiO ₃ -Bi _{0.5} K _{0.5} TiO ₃)/(Ni _{0.8} Zn _{0.2})Fe ₂ O ₄ Composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1700533	1.6	2
80	Polarization rotation of hybridly polarized beams in a uniaxial crystal orthogonal to the optical axis: theory and experiment. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017 , 34, 1-6	1.8	10
79	A simple way to achieve bioinspired hybrid wettability surface with micro/nanopatterns for efficient fog collection. <i>Nanoscale</i> , 2017 , 9, 14620-14626	7.7	191
78	Femtosecond laser induced robust periodic nanoripple structured mesh for highly efficient oil-water separation. <i>Nanoscale</i> , 2017 , 9, 14229-14235	7.7	219
77	Effect of Co ₂ O ₃ Addition on Stability of Permeability to an Impulse Magnetic Field in NiCuZn Ferrites. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	4

76	Enhanced microwave absorption properties of Fe ₃ O ₄ -modified flaky FeSiAl. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 444, 49-53	2.8	54
75	Gram-scale synthesis, thermal stability, magnetic properties, and microwave absorption application of extremely small Co ^{II} core-shell nanoparticles. <i>Materials Research Express</i> , 2017 , 4, 075044	1.7	14
74	Thermodynamic Reassessment of the C-Ni-Si System Using a Four Sublattice Model for Ordered/Disordered fcc Phases. <i>Journal of Phase Equilibria and Diffusion</i> , 2017 , 38, 807-813	1	3
73	Large-area and high-performance CH ₃ NH ₃ PbI ₃ perovskite photodetectors fabricated via doctor blading in ambient condition. <i>Organic Electronics</i> , 2017 , 49, 347-354	3.5	53
72	Tri-phase all-optical switching and broadband nonlinear optical response in BiSe nanosheets. <i>Optics Express</i> , 2017 , 25, 18346-18354	3.3	36
71	Boosting magnetic field enhancement with radiative couplings of magnetic modes in dielectric nanostructures. <i>Optics Express</i> , 2017 , 25, 15927-15937	3.3	27
70	Dependence of Nonlinear Optical Response of Anatase TiO ₂ on Shape and Excitation Intensity. <i>Chinese Physics Letters</i> , 2017 , 34, 077803	1.8	6
69	Radial-variant nonlinear ellipse rotation. <i>Optics Letters</i> , 2017 , 42, 3988-3991	3	3
68	Quantum cascade lasers designed toward shorter wavelengths. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 065302	1.8	
67	From Water Oxidation to Reduction: Transformation from Ni _(x) Co _(3-x) O ₄ Nanowires to NiCo/NiCoO _(x) Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3208-14	9.5	106
66	Nonlinear polarization evolution of hybridly polarized vector beams through isotropic Kerr nonlinearities. <i>Optics Express</i> , 2016 , 24, 25867-25875	3.3	14
65	Large enhancement of optical limiting effects in anisotropic two-photon absorbers by radially polarized beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016 , 33, 2512	1.7	7
64	Modulating the spin transport behaviors in ZBNCNRs by edge hydrogenation and position of BN chain. <i>AIP Advances</i> , 2016 , 6, 035116	1.5	6
63	Ultra-broadband Nonlinear Saturable Absorption for Two-dimensional Bi ₂ TexSe _{3-x} Nanosheets. <i>Scientific Reports</i> , 2016 , 6, 33070	4.9	44
62	Observation of large nonlinear responses in a graphene-Bi ₂ Te ₃ heterostructure at a telecommunication wavelength. <i>Applied Physics Letters</i> , 2016 , 108, 221901	3.4	47
61	The origin of the strong microwave absorption in black TiO ₂ . <i>Applied Physics Letters</i> , 2016 , 108, 183102	3.4	25
60	Enhanced sensitivity of the Z-scan technique on saturable absorbers using radially polarized beams. <i>Journal of Applied Physics</i> , 2016 , 119, 073103	2.5	10
59	Ultrafast and ultrasensitive phototransistors based on few-layered HfSe ₂ . <i>Applied Physics Letters</i> , 2016 , 109, 213105	3.4	44

58	Broadband spatial self-phase modulation of black phosphorous. <i>Optics Letters</i> , 2016 , 41, 1704-7	3	87
57	Domain wall motion driven by adiabatic spin transfer torque through excitation of nonlinear dynamics. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 206005	1.8	2
56	Artificial Synapses Based on in-Plane Gate Organic Electrochemical Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26169-26175	9.5	100
55	Enhanced Nonlinear Optical Response of Rectangular MoS2 and MoS2/TiO2 in Dispersion and Film. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18243-18248	3.8	36
54	A series of homoleptic bis(phthalocyaninato) rare earth sandwich complexes with large two-photon absorption cross-section. <i>Dyes and Pigments</i> , 2015 , 122, 346-350	4.6	17
53	Dynamic self-diffraction in MoS(2) nanoflake solutions. <i>Optics Express</i> , 2015 , 23, 5875-87	3.3	36
52	Effect of length and negative differential resistance behavior in conjugated molecular wire tetrathiafulvalene devices. <i>Modern Physics Letters B</i> , 2015 , 29, 1550106	1.6	3
51	Tunable GaTe-MoS2 van der Waals p-n Junctions with Novel Optoelectronic Performance. <i>Nano Letters</i> , 2015 , 15, 7558-66	11.5	303
50	Electronic structures and transport properties of zigzag BNC nanoribbons with different combinations of BN and graphene nanoribbons. <i>Computational Condensed Matter</i> , 2015 , 4, 40-45	1.7	15
49	Investigation of the dynamic bending properties of MoS2 thin films by interference colours. <i>Scientific Reports</i> , 2015 , 5, 18441	4.9	9
48	Ultrafast recovery time and broadband saturable absorption properties of black phosphorus suspension. <i>Applied Physics Letters</i> , 2015 , 107, 091905	3.4	138
47	Optimized growth of graphene on SiC: from the dynamic flip mechanism. <i>Nanoscale</i> , 2015 , 7, 4522-8	7.7	7
46	Z-scan characterization of optical nonlinearities of an imperfect sample profits from radially polarized beams. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 117, 1141-1147	1.9	12
45	Strain-gradient facilitated formation of confined Ge/GeO2 nanoparticles with a cracked shell and enhanced two-photon absorption. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8768-8772	7.1	9
44	Van der Waals epitaxy and photoresponse of hexagonal tellurium nanoplates on flexible mica sheets. <i>ACS Nano</i> , 2014 , 8, 7497-505	16.7	198
43	Effects of the magnetic anchoring groups on spin-dependent transport properties of Ni(dmit)2 device. <i>Chemical Physics Letters</i> , 2014 , 608, 28-34	2.5	10
42	SPIN-FILTERING, RECTIFYING AND NEGATIVE DIFFERENTIAL RESISTANCE BEHAVIORS IN Co(dmit)2 MOLECULAR DEVICES WITH MONATOMIC (C, Fe, Au) ELECTRODES. <i>Spin</i> , 2014 , 04, 1440016	1.3	
41	ELECTRONIC TRANSPORT PROPERTIES OF TRANSITION METAL (Cu, Fe) PHTHALOCYANINES CONNECTING TO V-SHAPED ZIGZAG GRAPHENE NANORIBBONS. <i>International Journal of Modern Physics B</i> , 2014 , 28, 1450019	1.1	8

40	Rectifying and perfect spin filtering behavior realized by tailoring graphene nanoribbons. <i>Journal of Applied Physics</i> , 2012 , 112, 114319	2.5	5
39	The weak spin-orbit interaction originated resonant tunneling and fast switching in the carbon based electronic devices. <i>AIP Advances</i> , 2012 , 2, 012137	1.5	8
38	Structural and Mechanical Properties of CrNxCoatings Deposited by Medium-Frequency Magnetron Sputtering with and without Ion Source Assistance. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-7	3.2	2
37	Electron-hole overlap dictates the hole spin relaxation rate in nanocrystal heterostructures. <i>Physical Review Letters</i> , 2010 , 105, 046601	7.4	41
36	Mechanically and electronically controlled molecular switch behavior in a compound molecular device. <i>Applied Physics Letters</i> , 2010 , 97, 103506	3.4	13
35	Transition from insulator to metal induced by hybridized connection of graphene and boron nitride nanoribbons. <i>Applied Physics Letters</i> , 2010 , 97, 193305	3.4	130
34	Influence of target-substrate distance and sputtering power on chromium oxide films prepared by medium-frequency magnetron sputtering. <i>Wuhan University Journal of Natural Sciences</i> , 2010 , 15, 440-443	0.4	3
33	Tuning Photoluminescence of Ge/GeO ₂ Core/Shell Nanoparticles by Strain. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19863-19866	3.8	12
32	Three-photon absorption in semiconductor quantum dots: experiment. <i>Optics Express</i> , 2008 , 16, 6999-7005	3.9	18
31	Upconversion photoluminescence of CdS nanocrystals in polymeric film. <i>Journal of Applied Physics</i> , 2008 , 104, 023110	2.5	9
30	Control of exciton spin relaxation by electron-hole decoupling in type-II nanocrystal heterostructures. <i>Nano Letters</i> , 2008 , 8, 4007-13	11.5	40
29	Three-photon absorption saturation in ZnO and ZnS crystals. <i>Journal of Applied Physics</i> , 2008 , 103, 073105	3.5	35
28	Direct observation of three-photon resonance in water-soluble ZnS quantum dots. <i>Applied Physics Letters</i> , 2008 , 92, 131114	3.4	12
27	Fabrication and electrical and photosensitive properties of silicon nanowire p-n homojunctions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 2722-2728	1.6	8
26	Z-scan theory of two-photon absorption saturation and experimental evidence. <i>Journal of Applied Physics</i> , 2007 , 102, 083101	2.5	58
25	Three-photon absorption in water-soluble ZnS nanocrystals. <i>Applied Physics Letters</i> , 2006 , 88, 181114	3.4	52
24	Ultrafast and large third-order nonlinear optical properties of CdS nanocrystals in polymeric film. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 4373-6	3.4	55
23	Observation of interband two-photon absorption saturation in CdS nanocrystals. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19184-7	3.4	58

22	Three-photon absorption in ZnO and ZnS crystals. <i>Optics Express</i> , 2005 , 13, 9235-47	3.3	173
21	Observation of resonant energy transfer in Au:CdS nanocomposite. <i>Applied Physics Letters</i> , 2004 , 84, 4684-4686	3.4	49
20	Mechanisms of excited-state enhancement of optical non-linearity in poly(distyrybenzene-co-triethylene glycol). <i>Chemical Physics Letters</i> , 2004 , 388, 105-109	2.5	
19	Excitonic nonlinear absorption in CdS nanocrystals studied using Z-scan technique. <i>Journal of Applied Physics</i> , 2004 , 95, 6381-6386	2.5	68
18	Size-Dependence of Nonlinearity in Metal: Dielectric Composite System Induced by Local Field Enhancement. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2003 , 12, 149-155	0.8	7
17	Nonlinear optical properties of mono-functional 1,2-dihydro-1,2-methanofullerene[60]-61-carboxylic acid/polymer composites. <i>Chemical Physics Letters</i> , 2003 , 369, 281-286	2.5	21
16	Excited state dynamics studies of iron(III) phthalocyanine using femtosecond pump-probe techniques. <i>Chemical Physics Letters</i> , 2003 , 370, 293-299	2.5	15
15	Femtosecond nonlinear birefringence and nonlinear dichroism in Au:TiO ₂ composite films. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 306, 348-352	2.3	15
14	Photophysical and Nonlinear-Optical Properties of a New Polymer: Hydroxylated Pyridyl Para-phenylene. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 11043-11047	3.4	24
13	Two-dimensional structures of ferroelectric domain inversion in LiNbO ₃ by direct electron beam lithography. <i>Journal of Applied Physics</i> , 2003 , 93, 9943-9946	2.5	69
12	Phase control of chromium oxide in selective microregions by laser annealing. <i>Journal of Applied Physics</i> , 2003 , 93, 3951-3953	2.5	28
11	Quantum interference in spontaneous emission of an atom embedded in a double-band photonic crystal. <i>Physical Review A</i> , 2002 , 65,	2.6	49
10	Spontaneous emission spectrum from a V-type three-level atom in a double-band photonic crystal. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2002 , 4, 300-307		12
9	Transient Reflection Spectroscopy on Ultrafast Interlayer Charge Transfer Processes in a MoS ₂ /WSe ₂ van der Waals Heterojunction. <i>Journal of Physical Chemistry C</i> ,	3.8	1
8	Two-Dimensional Palladium Nanosheet Intercalated with Gold Nanoparticles for Plasmon-Enhanced Electrocatalysis. <i>ACS Catalysis</i> , 13721-13732	13.1	4
7	Efficient and Anisotropic Second Harmonic Generation in Few-Layer SnS Film. <i>Advanced Optical Materials</i> , 2101200	8.1	4
6	Healing the Buried Cavities and Defects in Quasi-2D Perovskite Films by Self-Generated Methylamine Gas. <i>ACS Energy Letters</i> , 3634-3642	20.1	7
5	Enhanced interlayer neutral excitons and trions in MoSe ₂ /MoS ₂ /MoSe ₂ trilayer heterostructure. <i>Nano Research</i> , 1	10	1

4	A Ferroelectric p/n Heterostructure for Highly Enhanced Short-Circuit Current Density and Self-Powered Photodetection. <i>Advanced Electronic Materials</i> ,2101385	6.4	4
3	Gram-Scale Synthesized Two-Dimensional VSe ₂ and SnSe ₂ for Ultrahigh Electrocatalytic Sulfion Recycling. <i>Advanced Materials Interfaces</i> ,2200060	4.6	2
2	Dynamic liquid crystal behavior of Bi ₂ Te ₃ nanosheets. <i>European Physical Journal: Special Topics</i> ,1	2.3	0
1	One-step method to simultaneously synthesize separable Te and GeTe nanosheets. <i>Nano Research</i> ,1	10	0