

Jun He

List of Publications by Year in descending order

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290
papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional transition metal dichalcogenides: interface and defect engineering. <i>Chemical Society Reviews</i> , 2018, 47, 3100-3128.	18.7	604
2	Tunable GaTe-MoS ₂ van der Waals p-n Junctions with Novel Optoelectronic Performance. <i>Nano Letters</i> , 2015, 15, 7558-7566.	4.5	369
3	Femtosecond laser induced robust periodic nanoripple structured mesh for highly efficient oil-water separation. <i>Nanoscale</i> , 2017, 9, 14229-14235.	2.8	305
4	2D MoS ₂ Neuromorphic Devices for Brain-Like Computational Systems. <i>Small</i> , 2017, 13, 1700933.	5.2	268
5	Van der Waals Epitaxy and Photoresponse of Hexagonal Tellurium Nanoplates on Flexible Mica Sheets. <i>ACS Nano</i> , 2014, 8, 7497-7505.	7.3	259
6	A simple way to achieve bioinspired hybrid wettability surface with micro/nanopatterns for efficient fog collection. <i>Nanoscale</i> , 2017, 9, 14620-14626.	2.8	259
7	Overcoming barriers in photodynamic therapy harnessing nano-formulation strategies. <i>Chemical Society Reviews</i> , 2021, 50, 9152-9201.	18.7	254
8	2D library beyond graphene and transition metal dichalcogenides: a focus on photodetection. <i>Chemical Society Reviews</i> , 2018, 47, 6296-6341.	18.7	207
9	Three-photon absorption in ZnO and ZnS crystals. <i>Optics Express</i> , 2005, 13, 9235.	1.7	204
10	High-performance, multifunctional devices based on asymmetric van der Waals heterostructures. <i>Nature Electronics</i> , 2018, 1, 356-361.	13.1	197
11	2D electric-double-layer phototransistor for photoelectronic and spatiotemporal hybrid neuromorphic integration. <i>Nanoscale</i> , 2019, 11, 1360-1369.	2.8	195
12	Tunable Room-Temperature Ferromagnetism in Two-Dimensional Cr ₂ Te ₃ . <i>Nano Letters</i> , 2020, 20, 3130-3139.	4.5	175
13	Single-atom catalysts and their applications in organic chemistry. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8793-8814.	5.2	174
14	Ultrafast recovery time and broadband saturable absorption properties of black phosphorus suspension. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	168
15	Templated growth of oriented layered hybrid perovskites on 3D-like perovskites. <i>Nature Communications</i> , 2020, 11, 582.	5.8	167
16	Recent Progress in the Fabrication, Properties, and Devices of Heterostructures Based on 2D Materials. <i>Nano-Micro Letters</i> , 2019, 11, 13.	14.4	157
17	Valleytronics in transition metal dichalcogenides materials. <i>Nano Research</i> , 2019, 12, 2695-2711.	5.8	155
18	From Water Oxidation to Reduction: Transformation from Ni ₃ Co ₃ O ₄ Nanowires to NiCo/NiCoO Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3208-3214.	4.0	143

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19	Artificial Synapses Based on in-Plane Gate Organic Electrochemical Transistors. ACS Applied Materials & Interfaces, 2016, 8, 26169-26175.	4.0	138
20	Transition from insulator to metal induced by hybridized connection of graphene and boron nitride nanoribbons. Applied Physics Letters, 2010, 97, .	1.5	135
21	A Sub-10 nm Vertical Organic/Inorganic Hybrid Transistor for Pain-Perceptual and Sensitization-Regulated Nociceptor Emulation. Advanced Materials, 2020, 32, e1906171.	11.1	135
22	Recent advances in femtosecond laser-structured Janus membranes with asymmetric surface wettability. Nanoscale, 2021, 13, 2209-2226.	2.8	120
23	Low-Temperature Processed, Efficient, and Highly Reproducible Cesium-Doped Triple Cation Perovskite Planar Heterojunction Solar Cells. Solar Rrl, 2018, 2, 1700209.	3.1	113
24	Broadband spatial self-phase modulation of black phosphorous. Optics Letters, 2016, 41, 1704.	1.7	111
25	Quantum-Dot-Derived Catalysts for CO ₂ Reduction Reaction. Joule, 2019, 3, 1703-1718.	11.7	106
26	Ultrafast Achievement of a Superhydrophilic/Hydrophobic Janus Foam by Femtosecond Laser Ablation for Directional Water Transport and Efficient Fog Harvesting. ACS Applied Materials & Interfaces, 2018, 10, 31433-31440.	4.0	104
27	Ultrafast nano-structuring of superwetting Ti foam with robust antifouling and stability towards efficient oil-in-water emulsion separation. Nanoscale, 2019, 11, 17607-17614.	2.8	104
28	High-Performance Broadband Perovskite Photodetectors Based on CH ₃ NH ₃ PbI ₃ /C8BTBT Heterojunction. Advanced Electronic Materials, 2017, 3, 1700058.	2.6	101
29	Coplanar Multigate MoS ₂ Electric-Double-Layer Transistors for Neuromorphic Visual Recognition. ACS Applied Materials & Interfaces, 2018, 10, 25943-25948.	4.0	99
30	Robust laser-structured asymmetrical PTFE mesh for underwater directional transportation and continuous collection of gas bubbles. Applied Physics Letters, 2018, 112, .	1.5	99
31	Monolayer AgBiP ₂ Se ₆ : an atomically thin ferroelectric semiconductor with out-plane polarization. Nanoscale, 2017, 9, 8427-8434.	2.8	97
32	Niobium Carbide MXenes with Broad-Band Nonlinear Optical Response and Ultrafast Carrier Dynamics. ACS Nano, 2020, 14, 10492-10502.	7.3	96
33	Photoelectric Visual Adaptation Based on OD-CsPbBr ₃ -Quantum-Dots/2D-MoS ₂ Mixed-Dimensional Heterojunction Transistor. Advanced Functional Materials, 2021, 31, 2010655.	7.8	93
34	Emerging 2D Memory Devices for In-Memory Computing. Advanced Materials, 2021, 33, e2007081.	11.1	92
35	Transient security transistors self-supported on biodegradable natural-polymer membranes for brain-inspired neuromorphic applications. Nanoscale, 2018, 10, 14893-14901.	2.8	90
36	Under-oil self-driven and directional transport of water on a femtosecond laser-processed superhydrophilic geometry-gradient structure. Nanoscale, 2020, 12, 4077-4084.	2.8	90

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37	Recent Advances in 2D Materials for Photodetectors. <i>Advanced Electronic Materials</i> , 2021, 7, 2001125.	2.6	89
38	Vertical ODâ€Perovskite/2Dâ€MoS ₂ van der Waals Heterojunction Phototransistor for Emulating Photoelectricâ€Synergistically Classical Pavlovian Conditioning and Neural Coding Dynamics. <i>Small</i> , 2020, 16, e2005217.	5.2	87
39	Hybrids of PtRu Nanoclusters and Black Phosphorus Nanosheets for Highly Efficient Alkaline Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2019, 9, 10870-10875.	5.5	86
40	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, .	1.5	84
41	Gateâ€Couplingâ€Enabled Robust Hysteresis for Nonvolatile Memory and Programmable Rectifier in Van der Waals Ferroelectric Heterojunctions. <i>Advanced Materials</i> , 2020, 32, e1908040.	11.1	84
42	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.	1.1	83
43	Excitonic nonlinear absorption in CdS nanocrystals studied using Z-scan technique. <i>Journal of Applied Physics</i> , 2004, 95, 6381-6386.	1.1	79
44	Robust Hierarchical Porous PTFE Film Fabricated via Femtosecond Laser for Self-Cleaning Passive Cooling. <i>Nano Letters</i> , 2021, 21, 4209-4216.	4.5	77
45	Enhanced microwave absorption properties of Fe ₃ O ₄ -modified flaky FeSiAl. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 49-53.	1.0	75
46	Selective area epitaxy of IIIâ€V nanostructure arrays and networks: Growth, applications, and future directions. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	75
47	Two-dimensional black phosphorus: its fabrication, functionalization and applications. <i>Nanoscale</i> , 2018, 10, 21575-21603.	2.8	73
48	High Carrier Separation Efficiency in Morphology-Controlled BiOBr/C Schottky Junctions for Photocatalytic Overall Water Splitting. <i>ACS Nano</i> , 2021, 15, 13209-13219.	7.3	72
49	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.	1.4	70
50	Nonvolatile and Programmable Photodoping in MoTe ₂ for Photoresistâ€Free Complementary Electronic Devices. <i>Advanced Materials</i> , 2018, 30, e1804470.	11.1	70
51	Multibit Optoelectronic Memory in Topâ€Floatingâ€Gated van der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2019, 29, 1902890.	7.8	69
52	Protonâ€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.	2.7	69
53	Z-scan theory of two-photon absorption saturation and experimental evidence. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	66
54	Femtosecond laser structuring of Janus foam: Water spontaneous antigravity unidirectional penetration and pumping. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	65

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55	Highly Efficient, Solution-Processed CsPbI ₂ Br Planar Heterojunction Perovskite Solar Cells via Flash Annealing. ACS Photonics, 2018, 5, 4104-4110.	3.2	64
56	Observation of Interband Two-Photon Absorption Saturation in CdS Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 19184-19187.	1.2	62
57	Direct Observation of the Linear Dichroism Transition in Two-Dimensional Palladium Diselenide. Nano Letters, 2020, 20, 1172-1182.	4.5	61
58	Ultrafast and Large Third-Order Nonlinear Optical Properties of CdS Nanocrystals in Polymeric Film. Journal of Physical Chemistry B, 2005, 109, 4373-4376.	1.2	60
59	Ultrafast and ultrasensitive phototransistors based on few-layered HfSe ₂ . Applied Physics Letters, 2016, 109, .	1.5	60
60	Facile synthesis of Fe/Fe ₃ C-C core-shell nanoparticles as a high-efficiency microwave absorber. Applied Surface Science, 2019, 493, 1083-1089.	3.1	59
61	Femtosecond Laser Thermal Accumulation-Triggered Micro-/Nanostructures with Patternable and Controllable Wettability Towards Liquid Manipulating. Nano-Micro Letters, 2022, 14, 97.	14.4	58
62	Observation of resonant energy transfer in Au:CdS nanocomposite. Applied Physics Letters, 2004, 84, 4684-4686.	1.5	57
63	Three-photon absorption in water-soluble ZnS nanocrystals. Applied Physics Letters, 2006, 88, 1811-14.	1.5	57
64	Facile synthesis and excellent microwave absorption properties of FeCo-C core-shell nanoparticles. Nanotechnology, 2018, 29, 085604.	1.3	57
65	Observation of large nonlinear responses in a graphene-Bi ₂ Te ₃ heterostructure at a telecommunication wavelength. Applied Physics Letters, 2016, 108, .	1.5	56
66	Ultra-broadband Nonlinear Saturable Absorption for Two-dimensional Bi ₂ TexSe ₃ Nanosheets. Scientific Reports, 2016, 6, 33070.	1.6	55
67	Large-scale roll-to-roll printed, flexible and stable organic bulk heterojunction photodetector. Npj Flexible Electronics, 2018, 2, .	5.1	54
68	Quantum interference in spontaneous emission of an atom embedded in a double-band photonic crystal. Physical Review A, 2002, 65, .	1.0	52
69	Electron-Hole Overlap Dictates the Hole Spin Relaxation Rate in Nanocrystal Heterostructures. Physical Review Letters, 2010, 105, 046601.	2.9	51
70	Engineering ultrafast charge transfer in a bismuthene/perovskite nanohybrid. Nanoscale, 2019, 11, 2637-2643.	2.8	51
71	Hardware implementation of photoelectrically modulated dendritic arithmetic and spike-timing-dependent plasticity enabled by an ion-coupling gate-tunable vertical OD-perovskite/2D-MoS ₂ hybrid-dimensional van der Waals heterostructure. Nanoscale, 2020, 12, 21798-21811.	2.8	51
72	Enhanced Nonlinear Optical Response of Rectangular MoS ₂ and MoS ₂ /TiO ₂ in Dispersion and Film. Journal of Physical Chemistry C, 2016, 120, 18243-18248.	1.5	49

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73	Laser Fabrication of Bioinspired Gradient Surfaces for Wettability Applications. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001610.	1.9	48
74	Air-Induced High-Quality CH ₃ NH ₃ Pb ₃ Thin Film for Efficient Planar Heterojunction Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6575-6580.	1.5	47
75	Electromagnetic matching and microwave absorption abilities of Ti ₃ SiC ₂ encapsulated with Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ shell. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 473, 184-189.	1.0	47
76	High-Performance Memristors Based on Ultrathin 2D Copper Chalcogenides. <i>Advanced Materials</i> , 2022, 34, e2108313.	11.1	45
77	Tri-phase all-optical switching and broadband nonlinear optical response in Bi ₂ Se ₃ nanosheets. <i>Optics Express</i> , 2017, 25, 18346.	1.7	44
78	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.	5.2	44
79	Abnormal Near-Infrared Absorption in 2D Black Phosphorus Induced by Ag Nanoclusters Surface Functionalization. <i>Advanced Materials</i> , 2018, 30, e1801931.	11.1	43
80	Femtosecond laser induced robust Ti foam based evaporator for efficient solar desalination. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8361-8367.	5.2	42
81	Ultrafast fabrication of Cu oxide micro/nano-structures via laser ablation to promote oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2020, 383, 123086.	6.6	42
82	Control of Exciton Spin Relaxation by Electron-Hole Decoupling in Type-II Nanocrystal Heterostructures. <i>Nano Letters</i> , 2008, 8, 4007-4013.	4.5	41
83	Fully-printed, flexible cesium-doped triple cation perovskite photodetector. <i>Applied Materials Today</i> , 2019, 15, 389-397.	2.3	41
84	Study on the strain-induced mechanical property modulations in monolayer Tellurene. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	41
85	In-Plane Optical and Electrical Anisotropy of 2D Black Arsenic. <i>ACS Nano</i> , 2021, 15, 1701-1709.	7.3	41
86	Three-photon absorption saturation in ZnO and ZnS crystals. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	40
87	Dynamic self-diffraction in MoS ₂ nanoflake solutions. <i>Optics Express</i> , 2015, 23, 5875.	1.7	40
88	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.	2.8	40
89	Robust trap effect in transition metal dichalcogenides for advanced multifunctional devices. <i>Nature Communications</i> , 2019, 10, 4133.	5.8	39
90	Investigation on the electromagnetic and broadband microwave absorption properties of Ti ₃ C ₂ MXene/flaky carbonyl iron composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6537-6543.	1.1	39

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91	Polarization-perceptual anisotropic two-dimensional ReS ₂ neuro-transistor with reconfigurable neuromorphic vision. <i>Materials Horizons</i> , 2022, 9, 1448-1459.	6.4	38
92	High-performance formamidinium-based perovskite photodetectors fabricated via doctor-blading deposition in ambient condition. <i>Organic Electronics</i> , 2017, 47, 102-107.	1.4	34
93	Fano resonances in heterogeneous dimers of silicon and gold nanospheres. <i>Frontiers of Physics</i> , 2018, 13, 1.	2.4	34
94	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.	2.7	34
95	Reducing Contact Resistance and Boosting Device Performance of Monolayer MoS ₂ by In Situ Fe Doping. <i>Advanced Materials</i> , 2022, 34, e2200885.	11.1	34
96	Role of surface energy in nanowire growth. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 283002.	1.3	33
97	Black phosphorus inverter devices enabled by in-situ aluminum surface modification. <i>Nano Research</i> , 2019, 12, 531-536.	5.8	33
98	Reconfigurable photovoltaic effect for optoelectronic artificial synapse based on ferroelectric p-n junction. <i>Nano Research</i> , 2021, 14, 4328-4335.	5.8	33
99	The origin of the strong microwave absorption in black TiO ₂ . <i>Applied Physics Letters</i> , 2016, 108, 183102.	1.5	32
100	Boosting magnetic field enhancement with radiative couplings of magnetic modes in dielectric nanostructures. <i>Optics Express</i> , 2017, 25, 15927.	1.7	31
101	Bridging the van der Waals Interface for Advanced Optoelectronic Devices. <i>Advanced Materials</i> , 2020, 32, e1906874.	11.1	31
102	Effect of sulphur vacancy and interlayer interaction on the electronic structure and spin splitting of bilayer MoS ₂ . <i>Journal of Physics Condensed Matter</i> , 2018, 30, 125302.	0.7	30
103	Interfacial electronic structures of MoOx/mixed perovskite photodetector. <i>Organic Electronics</i> , 2019, 65, 162-169.	1.4	30
104	Polymer-Decorated 2D MoS ₂ Synaptic Transistors for Biological Bipolar Metaplasticities Emulation*. <i>Chinese Physics Letters</i> , 2020, 37, 088501.	1.3	30
105	Direct Observation of High Photoresponsivity in Pure Graphene Photodetectors. <i>Nanoscale Research Letters</i> , 2017, 12, 93.	3.1	29
106	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.	3.6	29
107	Evidence for moiré intralayer excitons in twisted WSe ₂ /WSe ₂ homobilayer superlattices. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	29
108	Phase control of chromium oxide in selective microregions by laser annealing. <i>Journal of Applied Physics</i> , 2003, 93, 3951-3953.	1.1	28

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109	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.	2.2	28
110	Abnormal nonlinear optical properties of hybrid graphene-TiO ₂ nanostructures. <i>Optics Letters</i> , 2018, 43, 523.	1.7	28
111	A review on spatial self-phase modulation of two-dimensional materials. <i>Journal of Central South University</i> , 2019, 26, 2295-2306.	1.2	27
112	Cobalt hydroxide-black phosphorus nanosheets: A superior electrocatalyst for electrochemical oxygen evolution. <i>Electrochimica Acta</i> , 2019, 297, 40-45.	2.6	27
113	Atomically Thin Noble Metal Dichalcogenides for Phase-Regulated Meta-optics. <i>Nano Letters</i> , 2020, 20, 7811-7818.	4.5	27
114	Plasmonic nanoantenna-dielectric nanocavity hybrids for ultrahigh local electric field enhancement. <i>Optics Express</i> , 2018, 26, 31116.	1.7	27
115	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.	4.0	25
116	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.	7.8	25
117	Photophysical and Nonlinear-Optical Properties of a New Polymer: β -Hydroxylated Pyridyl Para-phenylene. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11043-11047.	1.2	24
118	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.	2.8	24
119	A unipolar nonvolatile resistive switching behavior in a layered transition metal oxide. <i>Nanoscale</i> , 2019, 11, 20497-20506.	2.8	24
120	Gapless van der Waals Heterostructures for Infrared Optoelectronic Devices. <i>ACS Nano</i> , 2019, 13, 14519-14528.	7.3	24
121	Efficient and Anisotropic Second Harmonic Generation in Few-Layer SnS Film. <i>Advanced Optical Materials</i> , 2021, 9, 2101200.	3.6	24
122	Healing the Buried Cavities and Defects in Quasi-2D Perovskite Films by Self-Generated Methylamine Gas. <i>ACS Energy Letters</i> , 2021, 6, 3634-3642.	8.8	24
123	Fast-response and high-responsivity FA MA(1 ⁺)PbI ₃ photodetectors fabricated via doctor-blading deposition in ambient condition. <i>Organic Electronics</i> , 2018, 52, 190-194.	1.4	23
124	Quick Optical Identification of the Defect Formation in Monolayer WSe ₂ for Growth Optimization. <i>Nanoscale Research Letters</i> , 2019, 14, 274.	3.1	23
125	Two-dimensional monoelemental germanene nanosheets: facile preparation and optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16318-16325.	2.7	23
126	Logic and in-memory computing achieved in a single ferroelectric semiconductor transistor. <i>Science Bulletin</i> , 2021, 66, 2288-2296.	4.3	23

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127	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.	1.2	22
128	Two-dimensional noble transition-metal dichalcogenides for nanophotonics and optoelectronics: Status and prospects. <i>Nano Research</i> , 2022, 15, 3675-3694.	5.8	22
129	Growth and Raman Scattering Investigation of a New 2D MOX Material: YbOCl. <i>Advanced Functional Materials</i> , 2019, 29, 1903017.	7.8	21
130	Magnetic toroidal dipole response in individual all-dielectric nanodisk clusters. <i>Nanoscale</i> , 2020, 12, 10639-10646.	2.8	21
131	Angular momentum separation in focused fractional vector beams for optical manipulation. <i>Optics Express</i> , 2021, 29, 14705.	1.7	21
132	Two-Dimensional Palladium Nanosheet Intercalated with Gold Nanoparticles for Plasmon-Enhanced Electrocatalysis. <i>ACS Catalysis</i> , 2021, 11, 13721-13732.	5.5	21
133	Understanding of transverse spin angular momentum in tightly focused linearly polarized vortex beams. <i>Optics Express</i> , 2022, 30, 5121.	1.7	21
134	Three-photon absorption in semiconductor quantum dots: experiment. <i>Optics Express</i> , 2008, 16, 6999.	1.7	19
135	Investigation on microwave dielectric behavior of flaky carbonyl iron composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 15112-15118.	1.1	19
136	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.	2.0	18
137	Enhanced thermoelectric properties in boron nitride quantum-dot. <i>Results in Physics</i> , 2017, 7, 1487-1491.	2.0	18
138	Enhanced electromagnetic wave absorption of Ni@C core-shell nanoparticles by HCP-Ni phase. <i>Materials Research Express</i> , 2018, 5, 095013.	0.8	18
139	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.	2.8	18
140	Direct bilayer growth: a new growth principle for a novel WSe ₂ homo-junction and bilayer WSe ₂ growth. <i>Nanoscale</i> , 2020, 12, 3715-3722.	2.8	18
141	Modulation of Negative Differential Resistance in Black Phosphorus Transistors. <i>Advanced Materials</i> , 2021, 33, e2008329.	11.1	18
142	Nonlinear Optical Response of SbSI Nanorods Dominated with Direct Band Gaps. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15441-15447.	1.5	18
143	Phase-Tunable Synthesis and Etching-Free Transfer of Two-Dimensional Magnetic FeTe. <i>ACS Nano</i> , 2021, 15, 19089-19097.	7.3	18
144	Excited state dynamics studies of iron(III) phthalocyanine using femtosecond pump-probe techniques. <i>Chemical Physics Letters</i> , 2003, 370, 293-299.	1.2	17

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145	Nonlinear polarization evolution of hybridly polarized vector beams through isotropic Kerr nonlinearities. <i>Optics Express</i> , 2016, 24, 25867.	1.7	17
146	Gram-scale synthesis, thermal stability, magnetic properties, and microwave absorption application of extremely small Co@C core-shell nanoparticles. <i>Materials Research Express</i> , 2017, 4, 075044.	0.8	17
147	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.	1.1	17
148	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.	4.0	17
149	Coherent couplings between magnetic dipole transitions of quantum emitters and dielectric nanostructures. <i>Photonics Research</i> , 2019, 7, 1142.	3.4	17
150	A Ferroelectric p-n Heterostructure for Highly Enhanced Short-Circuit Current Density and Self-Powered Photodetection. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	17
151	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.	0.9	16
152	Mechanically and electronically controlled molecular switch behavior in a compound molecular device. <i>Applied Physics Letters</i> , 2010, 97, 103506.	1.5	16
153	Enhanced nonlinear optical properties of alloyed AgCu glassy nanoparticles. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153003.	2.8	16
154	Using ferroelectric polarization to regulate and preserve the valley polarization in a HfN ₂ /In ₂ S ₃ heterotrilayer. <i>Physical Review B</i> , 2021, 103, .	1.1	16
155	Observation of spatial self-phase modulation induced via two competing mechanisms. <i>Optics Letters</i> , 2020, 45, 2850.	1.7	16
156	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.	3.4	16
157	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.	1.1	15
158	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.	0.9	15
159	Dopant-Free Twinning Superlattice Formation in InSb and InP Nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700310.	1.2	15
160	Gate-controlled ambipolar transport in b-AsP crystals and their VIS-NIR photodetection. <i>Nanoscale</i> , 2021, 13, 10579-10586.	2.8	15
161	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.	2.0	15
162	Alloying-engineered high-performance broadband polarized Bi _{1.3} In _{0.7} Se ₃ photodetector with ultrafast response. <i>Nano Research</i> , 2022, 15, 8451-8457.	5.8	15

#	ARTICLE	IF	CITATIONS
163	Direct observation of three-photon resonance in water-soluble ZnS quantum dots. Applied Physics Letters, 2008, 92, .	1.5	14
164	Polarization rotation of hybridly polarized beams in a uniaxial crystal orthogonal to the optical axis: theory and experiment. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1.	0.8	14
165	Three-dimensional Fermi surface and electron-phonon coupling in semimetallic TiTe studied by angle-resolved photoemission spectroscopy. Physical Review B, 2019, 99, .	1.1	14
166	In-Plane Anisotropic Nonlinear Optical Properties of Two-Dimensional Organic-Inorganic Hybrid Perovskite. Journal of Physical Chemistry Letters, 2021, 12, 7010-7018.	2.1	14
167	Spontaneous emission spectrum from a V-type three-level atom in a double-band photonic crystal. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, 300-307.	1.4	13
168	Enhanced sensitivity of the Z-scan technique on saturable absorbers using radially polarized beams. Journal of Applied Physics, 2016, 119, .	1.1	13
169	Efficient second harmonic generation in gold-silicon core-shell nanostructures. Optics Express, 2018, 26, 5835.	1.7	13
170	Synthesis of bismuth selenide nanoplates by solvothermal methods and its stacking optical properties. Journal of Applied Physics, 2019, 125, .	1.1	13
171	Fano interferences of electromagnetic modes in dielectric nanoblock dimers. Journal of Applied Physics, 2019, 125, .	1.1	13
172	Highly Efficient Multiphoton Absorption of Zinc-Aluminum Organic Frameworks. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
173	Tuning Photoluminescence of Ge/GeO_2 Core/Shell Nanoparticles by Strain. Journal of Physical Chemistry C, 2009, 113, 19863-19866.	1.5	12
174	Optical pulling forces on Rayleigh particles using ambient optical nonlinearity. Nanophotonics, 2019, 8, 1117-1124.	2.9	12
175	Two-photon and three-photon absorption in ZnO nanocrystals embedded in Al_2O_3 matrix influenced by defect states. Optics Letters, 2019, 44, 179.	1.7	12
176	Controllable Synthesis Quadratic-Dependent Unsaturated Magnetoresistance of Two-Dimensional Nonlayered FeS_8 with Robust Environmental Stability. ACS Nano, 2022, 16, 8301-8308.	7.3	12
177	Strain Engineered Band Structure and Optical Properties of Confined GaAs Quantum Dots. Journal of Physical Chemistry C, 2017, 121, 5800-5804.	1.5	11
178	Effect of magnetic field on electronic transport in a bilayer graphene nanomesh. Nanotechnology, 2017, 28, 235303.	1.3	11
179	Engineering two-wire optical antennas for near field enhancement. Photonics and Nanostructures - Fundamentals and Applications, 2017, 25, 72-76.	1.0	11
180	Solvent effects on the fluorescence and effective three-photon absorption of a Zn(II) -[meso-tetrakis(4-octyloxyphenyl)porphyrin]. Optics and Laser Technology, 2018, 102, 47-53.	2.2	11

#	ARTICLE	IF	CITATIONS
181	Optical properties of ZnO/Black Phosphorus/ZnO sandwich structures. <i>Physica B: Condensed Matter</i> , 2020, 579, 411903.	1.3	11
182	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.	1.2	11
183	Femtosecond laser manipulating underoil surface wettability for water removal from oil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 125030.	2.3	11
184	Saturable absorption and self-defocusing response of 2D monoelemental germanium nanosheets in broadband spectra. <i>Optics Express</i> , 2021, 29, 39115.	1.7	11
185	Enhanced interlayer neutral excitons and trions in MoSe ₂ /MoS ₂ /MoSe ₂ trilayer heterostructure. <i>Nano Research</i> , 2022, 15, 5640-5645.	5.8	11
186	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.	1.2	10
187	Investigation of the dynamic bending properties of MoS ₂ thin films by interference colours. <i>Scientific Reports</i> , 2015, 5, 18441.	1.6	10
188	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.	0.9	10
189	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.	1.1	10
190	The nonlinear optical transition bleaching in tellurene. <i>Nanoscale</i> , 2021, 13, 15882-15890.	2.8	10
191	Temperature evolution of quasiparticle dispersion and dynamics in semimetallic α -Te via high-resolution angle-resolved photoemission spectroscopy and ultrafast optical pump-probe spectroscopy. <i>Physical Review B</i> , 2021, 103, .	1.1	10
192	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.	1.1	10
193	Gram-scale Synthesized Two-dimensional VSe ₂ and SnSe ₂ for Ultrahigh Electrochemical Sulfur Recycling. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	10
194	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.	0.8	9
195	Upconversion photoluminescence of CdS nanocrystals in polymeric film. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	9
196	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.	1.0	9
197	Strain-gradient facilitated formation of confined Ge/GeO ₂ nanoparticles with a cracked shell and enhanced two-photon absorption. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8768-8772.	2.7	9
198	Optimized growth of graphene on SiC: from the dynamic flip mechanism. <i>Nanoscale</i> , 2015, 7, 4522-4528.	2.8	9

#	ARTICLE	IF	CITATIONS
199	Effect of temperature on dielectric response in X-band of silicon nitride ceramics prepared by gelcasting. <i>AIP Advances</i> , 2018, 8, 075127.	0.6	9
200	Modulation ferromagnetism in multiferroic BiFeO ₃ nanocrystals via bandgap engineering. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	9
201	Anisotropic nonlinear Kerr media: Z-scan characterization and interaction with hybridly polarized beams. <i>Optics Express</i> , 2019, 27, 13845.	1.7	9
202	The weak s-d interaction originated resonant tunneling and fast switching in the carbon based electronic devices. <i>AIP Advances</i> , 2012, 2, 012137.	0.6	8
203	Tuning strain and photoluminescence of confined Au nanoparticles by hydrogen passivation. <i>RSC Advances</i> , 2017, 7, 6875-6879.	1.7	8
204	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.	1.3	8
205	Nonlinear optical modulation of MoS ₂ /black phosphorus/MoS ₂ at 1550 nm. <i>Physica B: Condensed Matter</i> , 2020, 594, 412364.	1.3	8
206	Facet-dependent growth of InAsP quantum wells in InP nanowire and nanomembrane arrays. <i>Nanoscale Horizons</i> , 2020, 5, 1530-1537.	4.1	8
207	Three-dimensional and temperature-dependent electronic structure of the heavy-fermion compound CePt ₂ studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> . 2020, 101, .	1.1	8
208	Water droplet rapid spreading transport on femtosecond laser-treated photothermal and superhydrophilic surface. <i>Optics and Laser Technology</i> , 2021, 141, 107099.	2.2	8
209	Dirac semimetal PdTe ₂ temperature-dependent quasiparticle dynamics and electron-phonon coupling. <i>Results in Physics</i> , 2021, 30, 104816.	2.0	8
210	Title is missing!. <i>Chinese Optics Letters</i> , 2019, 17, 061901.	1.3	8
211	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.	1.1	7
212	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.	1.2	7
213	Dependence of Nonlinear Optical Response of Anatase TiO ₂ on Shape and Excitation Intensity. <i>Chinese Physics Letters</i> , 2017, 34, 077803.	1.3	7
214	Nondestructive hole doping enabled photocurrent enhancement of layered tungsten diselenide. <i>2D Materials</i> , 2019, 6, 024002.	2.0	7
215	Strong couplings between magnetic quantum emitters and subwavelength all-dielectric resonators with whispering gallery modes. <i>Optics Express</i> , 2021, 29, 26028.	1.7	7
216	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.	1.1	7

#	ARTICLE	IF	CITATIONS
217	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.	0.9	7
218	Carrier dynamics and recombination mechanisms in InP twinning superlattice nanowires. <i>Optics Express</i> , 2020, 28, 16795.	1.7	7
219	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> , 2021, 125, 26575-26582.	1.5	7
220	Modulating the spin transport behaviors in ZBNCNRs by edge hydrogenation and position of BN chain. <i>AIP Advances</i> , 2016, 6, 035116.	0.6	6
221	Manipulating three-dimensional bending to extraordinarily stiffen two-dimensional membranes by interference colors. <i>Nanoscale</i> , 2018, 10, 21782-21789.	2.8	6
222	Conservation of the spin angular momentum in second-harmonic generation with elliptically polarized vortex beams. <i>Applied Physics Letters</i> , 2019, 114, 101101.	1.5	6
223	Computational and experimental studies on third-order optical nonlinearities of novel D-ï€A-ï€A type chalcone 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.	1.1	6
224	Fabry-Perot cavity enhanced three-photon luminescence of atomically thin platinum diselenide. <i>Nanoscale</i> , 2021, 13, 9031-9038.	2.8	6
225	Water-induced dual ultrahigh mobilities over 400 cm ² /V s in 2D MoS ₂ transistors for ultralow-voltage operation and photoelectric synapse perception. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5249-5256.	2.7	6
226	Design of InAs nanosheet arrays with ultrawide polarization-independent high absorption for infrared photodetection. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	6
227	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.	2.2	6
228	Rectifying and perfect spin filtering behavior realized by tailoring graphene nanoribbons. <i>Journal of Applied Physics</i> , 2012, 112, 114319.	1.1	5
229	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.	0.5	5
230	Modulated thermal transport for flexural and in-plane phonons in double-stub graphene nanoribbons. <i>Chinese Physics B</i> , 2018, 27, 088101.	0.7	5
231	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.	1.0	5
232	Low-frequency perfect sandwich meta-absorber based on magnetic metal. <i>Modern Physics Letters B</i> , 2019, 33, 1950057.	1.0	5
233	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.	0.8	5
234	Structure Modulation in Confined Nanoparticles: The Role of the Strain Gradient. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21810-21817.	1.5	5

#	ARTICLE	IF	CITATIONS
235	Thermodynamics Controlled Sharp Transformation from InP to GaP Nanowires via Introducing Trace Amount of Gallium. <i>Nanoscale Research Letters</i> , 2021, 16, 49.	3.1	5
236	Femtosecond carrier dynamics and saturable absorption in few layer germanium sulfide. <i>Optik</i> , 2021, 229, 166226.	1.4	5
237	Near-Infrared Spatial Self-Phase Modulation in Ultrathin Niobium Carbide Nanosheets. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	5
238	Nonlinear accelerated orbiting motions of optical trapped particles through two-photon absorption. <i>Optics Letters</i> , 2021, 46, 110.	1.7	5
239	First-principles study of electronic structure and optical properties of nickel-doped multilayer graphene. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 187301.	0.2	5
240	Giant two-photon absorption in MXene quantum dots. <i>Optics Express</i> , 2022, 30, 8482.	1.7	5
241	Intercalated Gold Nanoparticle in 2D Palladium Nanosheet Avoiding CO Poisoning for Formate Production under a Wide Potential Window. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10344-10352.	4.0	5
242	Growth, Raman Scattering Investigation and Photodetector Properties of 2D SnP. <i>Small</i> , 2022, 18, e2108017.	5.2	5
243	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.	0.7	4
244	Saturable Absorption Enchantment of Au Nanorods Based on Energy Transfer between Longitudinal and Transverse Energy Levels. <i>Chinese Physics Letters</i> , 2018, 35, 067801.	1.3	4
245	Towards strong linear and nonlinear light-matter interactions in hybrid nanostructures of a single molecule and a plasmonic nanocavity. <i>Physical Review B</i> , 2021, 104, .	1.1	4
246	Radial-variant nonlinear ellipse rotation. <i>Optics Letters</i> , 2017, 42, 3988.	1.7	4
247	Ultrafast saturable absorption of BiOI nanosheets prepared by chemical vapor transport. <i>Optics Letters</i> , 2021, 46, 6006.	1.7	4
248	Nonlinear optical properties of spherical MoS ₂ /TiO ₂ composite at visible wavelengths. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 254002.	1.3	4
249	Tunable absorptive nonlinearities of silver-modified few-layer black phosphorous nanocomposites. <i>Optik</i> , 2022, 259, 168969.	1.4	4
250	One-step method to simultaneously synthesize separable Te and GeTe nanosheets. <i>Nano Research</i> , 2022, 15, 6736-6742.	5.8	4
251	Broadband nonlinear optical properties of red fluorescent carbon dots. <i>Results in Physics</i> , 2022, 38, 105591.	2.0	4
252	Carbonate-Ion-Mediated Photogenerated Hole Transfer to Boost Hydrogen Production. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10367-10377.	1.5	4

#	ARTICLE	IF	CITATIONS
253	Influence of target-substrate distance and sputtering power on chromium oxide films prepared by medium-frequency magnetron sputtering. Wuhan University Journal of Natural Sciences, 2010, 15, 440-443.	0.2	3
254	Structural and Mechanical Properties of Cr _{Nx} Coatings Deposited by Medium-Frequency Magnetron Sputtering with and without Ion Source Assistance. Journal of Nanomaterials, 2011, 2011, 1-7.	1.5	3
255	Effect of length and negative differential resistance behavior in conjugated molecular wire tetrathiafulvalene devices. Modern Physics Letters B, 2015, 29, 1550106.	1.0	3
256	Laser Structuring of Underwater Bubble-Repellent Surface. Journal of Nanoscience and Nanotechnology, 2018, 18, 8381-8385.	0.9	3
257	First-principle prediction of the electronic property and carrier mobility in boron arsenide nanotubes and nanoribbons. Journal of Applied Physics, 2019, 126, 124303.	1.1	3
258	Effect of the low-resistance tunnel barriers induced inhomogeneous spin current distribution in graphene crossed configuration lateral spin valve. AIP Advances, 2019, 9, 115005.	0.6	3
259	A new single-element layered two-dimensional semiconductor: black arsenic. Journal of Semiconductors, 2020, 41, 080402.	2.0	3
260	Polarization rotation and singularity evolution of fundamental Poincaré beams through anisotropic Kerr nonlinearities. Journal of Optics (United Kingdom), 2020, 22, 085501.	1.0	3
261	Controlled growth of transition metal dichalcogenide via thermogravimetric prediction of precursors vapor concentration. Nano Research, 2021, 14, 2867-2874.	5.8	3
262	Effect of the thermal-optical nonlinearity on optical trapping Rayleigh particles. Optics Communications, 2021, 495, 127071.	1.0	3
263	Effect of concentration on the formation time of diffraction rings in spatial self-phase modulation. Chinese Optics Letters, 2022, 20, 011901.	1.3	3
264	Domain wall motion driven by adiabatic spin transfer torque through excitation of nonlinear dynamics. Journal of Physics Condensed Matter, 2016, 28, 206005.	0.7	2
265	The ultrafast tunable saturable absorption of metal complexes containing redox-active 1-(2-pyridylazo)-2-acenaphthequinol ligands. Optical Materials, 2017, 66, 241-246.	1.7	2
266	Magnetolectric Effect in Cofired Lead-Free Laminated (Bi _{0.5} Na _{0.5} TiO ₃) ₃ /(Bi _{0.5} K _{0.5} TiO ₃) ₃ /(Ba _{0.8} Zn _{0.2} Composites. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700533.	0.8	2
267	Cascaded plasmonic nanorod antenna for large broadband local electric field enhancement. Chinese Physics B, 2019, 28, 107802.	0.7	2
268	Donor-Acceptor Type Reduced Graphene-Oxide and a Tin-Selenide Nanohybrid With Broad and Ultrafast Optical Limiting Properties. Frontiers in Physics, 2020, 8, .	1.0	2
269	Neuromorphic Photoelectric Devices: Vertical 0D/2D Perovskite/2D MoS ₂ van der Waals Heterojunction Phototransistor for Emulating Photoelectrically Synergistically Classical Pavlovian Conditioning and Neural Coding Dynamics (Small 45/2020). Small, 2020, 16, 2070244.	5.2	2
270	Facile Surface Laser Modification of Nickel Foams for Efficient Water Oxidation Electrocatalysis. ChemElectroChem, 2021, 8, 2124-2128.	1.7	2

#	ARTICLE	IF	CITATIONS
271	Photodoping: Nonvolatile and Programmable Photodoping in MoTe ₂ for Photoresist-Free Complementary Electronic Devices (Adv. Mater. 52/2018). Advanced Materials, 2018, 30, 1870402.	11.1	1
272	Thermodynamic properties of metastable wurtzite InP nanosheets. Journal Physics D: Applied Physics, 2021, 54, 505112.	1.3	1
273	Reversal in optical nonlinearities of Bi ₂ Se ₃ nanosheets dispersion influenced by resonance absorption. Optics Express, 2019, 27, 21741.	1.7	1
274	Femtosecond laser trapping dynamics of two-photon absorbing hollow-core nanoparticles. Chinese Optics Letters, 2020, 18, 081901.	1.3	1
275	Focal field properties of toroidal double-mode vector beams. Optics Communications, 2022, 505, 127514.	1.0	1
276	Mechanical behaviors of radial symmetric pyramid kirigami. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 096102.	0.2	1
277	Dynamic liquid crystal behavior of Bi ₂ Te ₃ nanosheets. European Physical Journal: Special Topics, 0, , 1.	1.2	1
278	Strong cooperative effects between plasmonic nanoantennas mediated by whispering gallery modes of wavelength-scale dielectric resonators. Results in Physics, 2022, 40, 105815.	2.0	1
279	Size and dielectric dependence of off-resonant nonlinearity in Au: dielectric nanocomposite system. , 2002, , .		0
280	Mechanisms of excited-state enhancement of optical non-linearity in poly(distyrybenzene-co-triethylene glycol). Chemical Physics Letters, 2004, 388, 105-109.	1.2	0
281	Two-photon absorption saturation in cds quantum dots. , 2005, , .		0
282	Nonlinear refraction in ZnS crystal associated with three-photon absorption. , 2006, , .		0
283	SPIN-FILTERING, RECTIFYING AND NEGATIVE DIFFERENTIAL RESISTANCE BEHAVIORS IN Co(dmit) ₂ MOLECULAR DEVICES WITH MONATOMIC (C, Fe, Au) ELECTRODES. Spin, 2014, 04, 1440016.	0.6	0
284	Quantum cascade lasers designed toward shorter wavelengths. Journal of Physics Condensed Matter, 2016, 28, 065302.	0.7	0
285	Black Phosphorus: Abnormal Near-Infrared Absorption in 2D Black Phosphorus Induced by Ag Nanoclusters Surface Functionalization (Adv. Mater. 43/2018). Advanced Materials, 2018, 30, 1870325.	11.1	0
286	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. Journal of Applied Physics, 2018, 124, 152123.	1.1	0
287	Strained effects on the thermal conductance of flexural and in-plane modes in graphene nanoribbons. Modern Physics Letters B, 2019, 33, 1950383.	1.0	0
288	Title is missing!. Chinese Optics Letters, 2019, 17, 081902.	1.3	0

#	ARTICLE	IF	CITATIONS
289	Titelbild: Highly Efficient Multiphoton Absorption of Zinc-Organic Frameworks (Angew.) Tj ETQq1,1 0.784314 rgBT	1.6	0
290	Highly Efficient Multiphoton Absorption of Zinc-Organic Frameworks. Angewandte Chemie, 0, , .	1.6	0