

Han Zhang

List of Publications by Year in descending order

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343
papers

25,109
citations

6760

80
h-index

8573

148
g-index

370
all docs

370
docs citations

370
times ranked

33124
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable black phosphorus-based nanospheres for in vivo photothermal cancer therapy. Nature Communications, 2016, 7, 12967.	13.2	874
2	Novel concept of the smart NIR-light-controlled drug release of black phosphorus nanostructure for cancer therapy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 501-506.	7.6	704
3	Broadband Nonlinear Photonics in Few-Layer MXene Ti_3C_2Tx ($T = Tj$) ETQ_1 1.0784314 rgB	10.1	578
4	Ultra-short pulse generation by a topological insulator based saturable absorber. Applied Physics Letters, 2012, 101, 211106.	3.2	563
5	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. Chemical Society Reviews, 2019, 48, 2891-2912.	40.3	513
6	Genomic Hallmarks and Structural Variation in Metastatic Prostate Cancer. Cell, 2018, 174, 758-769.e9.	27.8	498
7	Emerging combination strategies with phototherapy in cancer nanomedicine. Chemical Society Reviews, 2020, 49, 8065-8087.	40.3	484
8	MXene/Polymer Membranes: Synthesis, Properties, and Emerging Applications. Chemistry of Materials, 2020, 32, 1703-1747.	7.1	483
9	Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy. Angewandte Chemie - International Edition, 2017, 56, 11896-11900.	14.8	476
10	Large energy soliton erbium-doped fiber laser with a graphene-polymer composite mode locker. Applied Physics Letters, 2009, 95, .	3.2	453
11	Metal-Modified Black Phosphorus with Enhanced Stability and Transistor Performance. Advanced Materials, 2017, 29, 1703811.	24.3	450
12	Wavelength-tunable picosecond soliton fiber laser with Topological Insulator: Bi_2Se_3 as a mode locker. Optics Express, 2012, 20, 27888.	3.4	413
13	2D Layered Materials: Synthesis, Nonlinear Optical Properties, and Device Applications. Laser and Photonics Reviews, 2019, 13, 1800327.	10.1	385
14	Ultrathin 2D Nonlayered Tellurium Nanosheets: Facile Liquid-Phase Exfoliation, Characterization, and Photoresponse with High Performance and Enhanced Stability. Advanced Functional Materials, 2018, 28, 1705833.	16.5	374
15	Environmentally Robust Black Phosphorus Nanosheets in Solution: Application for Self-Powered Photodetector. Advanced Functional Materials, 2017, 27, 1606834.	16.5	357
16	Solvothermal Synthesis and Ultrafast Photonics of Black Phosphorus Quantum Dots. Advanced Optical Materials, 2016, 4, 1223-1229.	7.9	336
17	A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy. Advanced Materials, 2018, 30, e1803031.	24.3	331
18	Few-Layer Bismuthene: Sonochemical Exfoliation, Nonlinear Optics and Applications for Ultrafast Photonics with Enhanced Stability. Laser and Photonics Reviews, 2018, 12, 1700221.	10.1	323

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19	Distribution and characterization of microplastics in beach sand from three different Indian coastal environments. <i>Marine Pollution Bulletin</i> , 2019, 140, 262-273.	5.0	314
20	Recent advances in black phosphorus-based photonics, electronics, sensors and energy devices. <i>Materials Horizons</i> , 2017, 4, 997-1019.	12.8	300
21	Emerging Trends in Phosphorene Fabrication towards Next Generation Devices. <i>Advanced Science</i> , 2017, 4, 1600305.	12.4	298
22	Sub-200 fs soliton mode-locked fiber laser based on bismuthene saturable absorber. <i>Optics Express</i> , 2018, 26, 22750.	3.4	295
23	Ultrathin Metal-Organic Framework: An Emerging Broadband Nonlinear Optical Material for Ultrafast Photonics. <i>Advanced Optical Materials</i> , 2018, 6, 1800561.	7.9	281
24	Self-Powered Photodetectors Based on 2D Materials. <i>Advanced Optical Materials</i> , 2020, 8, 1900765.	7.9	276
25	Third order nonlinear optical property of Bi ₂ Se ₃ . <i>Optics Express</i> , 2013, 21, 2072.	3.4	274
26	Broadband Nonlinear Optical Response in Few-Layer Antimonene and Antimonene Quantum Dots: A Promising Optical Kerr Media with Enhanced Stability. <i>Advanced Optical Materials</i> , 2017, 5, 1700301.	7.9	274
27	Few-layer antimonene decorated microfiber: ultra-short pulse generation and all-optical thresholding with enhanced long term stability. <i>2D Materials</i> , 2017, 4, 045010.	4.5	267
28	Black phosphorus as saturable absorber for the Q-switched Er:ZBLAN fiber laser at 28 μ m. <i>Optics Express</i> , 2015, 23, 24713.	3.4	263
29	Broadband Nonlinear Photoresponse of 2D TiS ₂ for Ultrashort Pulse Generation and All-Optical Thresholding Devices. <i>Advanced Optical Materials</i> , 2018, 6, 1701166.	7.9	256
30	Many-body Effect, Carrier Mobility, and Device Performance of Hexagonal Arsenene and Antimonene. <i>Chemistry of Materials</i> , 2017, 29, 2191-2201.	7.1	251
31	Emerging 2D materials beyond graphene for ultrashort pulse generation in fiber lasers. <i>Nanoscale</i> , 2019, 11, 2577-2593.	5.8	249
32	2D Black Phosphorus Saturable Absorbers for Ultrafast Photonics. <i>Advanced Optical Materials</i> , 2019, 7, 1800224.	7.9	249
33	Black phosphorus: a two-dimension saturable absorption material for mid-infrared Q-switched and mode-locked fiber lasers. <i>Scientific Reports</i> , 2016, 6, 30361.	3.4	248
34	Black Phosphorus-Polymer Composites for Pulsed Lasers. <i>Advanced Optical Materials</i> , 2015, 3, 1447-1453.	7.9	237
35	Flexible Transparent Films Based on Nanocomposite Networks of Polyaniline and Carbon Nanotubes for High-Performance Gas Sensing. <i>Small</i> , 2015, 11, 5409-5415.	11.2	230
36	Zeolitic Imidazolate Frameworks as Zn ²⁺ Modulation Layers to Enable Dendrite-Free Zn Anodes. <i>Advanced Science</i> , 2020, 7, 2002173.	12.4	222

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37	Few-layer Tin Sulfide: A Promising Black Phosphorus Analogue 2D Material with Exceptionally Large Nonlinear Optical Response, High Stability, and Applications in All-Optical Switching and Wavelength Conversion. <i>Advanced Optical Materials</i> , 2018, 6, 1700985.	7.9	219
38	Topological insulator as an optical modulator for pulsed solid-state lasers. <i>Laser and Photonics Reviews</i> , 2013, 7, L77.	10.1	212
39	Large Energy, Wavelength Widely Tunable, Topological Insulator Q-Switched Erbium-Doped Fiber Laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 315-322.	3.2	206
40	Few-layer bismuthene for ultrashort pulse generation in a dissipative system based on an evanescent field. <i>Nanoscale</i> , 2018, 10, 17617-17622.	5.8	193
41	Bloom dynamics in early opening waters of the Arctic Ocean. <i>Limnology and Oceanography</i> , 2006, 51, 900-912.	3.5	183
42	Graphdiyne-Based Flexible Photodetectors with High Responsivity and Detectivity. <i>Advanced Materials</i> , 2020, 32, e2001082.	24.3	183
43	Facile fabrication and characterization of two-dimensional bismuth(<i>Bi</i>) sulfide nanosheets for high-performance photodetector applications under ambient conditions. <i>Nanoscale</i> , 2018, 10, 2404-2412.	5.8	179
44	2D Tellurium Based High-Performance All-Optical Nonlinear Photonic Devices. <i>Advanced Functional Materials</i> , 2019, 29, 1806346.	16.5	174
45	A black/red phosphorus hybrid as an electrode material for high-performance Li-ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6581-6588.	10.5	166
46	All-Optical Phosphorene Phase Modulator with Enhanced Stability Under Ambient Conditions. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800016.	10.1	161
47	Healable, Transparent, Room-Temperature Electronic Sensors Based on Carbon Nanotube Network-Coated Polyelectrolyte Multilayers. <i>Small</i> , 2015, 11, 5807-5813.	11.2	157
48	Fluorinated Phosphorene: Electrochemical Synthesis, Atomistic Fluorination, and Enhanced Stability. <i>Small</i> , 2017, 13, 1702739.	11.2	157
49	Size-dependent nonlinear optical properties of black phosphorus nanosheets and their applications in ultrafast photonics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3007-3013.	5.6	152
50	Order-disorder transition in a two-dimensional boron-carbon nitride alloy. <i>Nature Communications</i> , 2013, 4, 2681.	13.2	143
51	Topological Insulator: Bi_2Te_3 ; Saturable Absorber for the Passive Q-Switching Operation of an in-Band Pumped 1645-nm Er:YAG Ceramic Laser. <i>IEEE Photonics Journal</i> , 2013, 5, 1500707-1500707.	2.0	134
52	2 $\frac{1}{4}$ μm passively Q-switched laser based on black phosphorus. <i>Optical Materials Express</i> , 2016, 6, 2374.	3.0	129
53	MXene-Based Nonlinear Optical Information Converter for All-Optical Modulator and Switcher. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800215.	10.1	128
54	An All-Optical, Actively Q-Switched Fiber Laser by an Antimonene-Based Optical Modulator. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800313.	10.1	128

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55	MXene $\text{Ti}_3\text{C}_2\text{T}_x$: A Promising Photothermal Conversion Material and Application in All-Optical Modulation and All-Optical Information Loading. <i>Advanced Optical Materials</i> , 2019, 7, 1900060.	7.9	124
56	Recent Progress in 2D Material-Based Saturable Absorbers for All-Solid-State Pulsed Bulk Lasers. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900240.	10.1	122
57	Fully photon modulated heterostructure for neuromorphic computing. <i>Nano Energy</i> , 2019, 65, 104000.	16.5	120
58	Polarization rotation vector solitons in a graphene mode-locked fiber laser. <i>Optics Express</i> , 2012, 20, 27283.	3.4	119
59	Mid-Infrared Photonics Using 2D Materials: Status and Challenges. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900098.	10.1	119
60	Generation, optimization, and application of ultrashort femtosecond pulse in mode-locked fiber lasers. <i>Progress in Quantum Electronics</i> , 2020, 71, 100264.	7.9	116
61	Post-synthetic modification of porous organic cages. <i>Chemical Society Reviews</i> , 2021, 50, 8874-8886.	40.3	116
62	Hydrothermal synthesis of monoclinic WO_3 nanoplates and nanorods used as an electrocatalyst for hydrogen evolution reactions from water. <i>Chemical Engineering Journal</i> , 2010, 165, 365-369.	13.0	111
63	CpG loaded MoS_2 nanosheets as multifunctional agents for photothermal enhanced cancer immunotherapy. <i>Nanoscale</i> , 2017, 9, 5927-5934.	5.8	109
64	Two-dimensional tellurium-polymer membrane for ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 6235-6242.	5.8	108
65	<i>Candida albicans</i> estrogen-binding protein gene encodes an oxidoreductase that is inhibited by estradiol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 922-926.	7.6	107
66	Nonlinear Few-Layer Antimonene-Based All-Optical Signal Processing: Ultrafast Optical Switching and High-Speed Wavelength Conversion. <i>Advanced Optical Materials</i> , 2018, 6, 1701287.	7.9	101
67	Perovskite CsPbX_3 : A Promising Nonlinear Optical Material and Its Applications for Ambient All-Optical Switching with Enhanced Stability. <i>Advanced Optical Materials</i> , 2018, 6, 1800400.	7.9	95
68	MZI-Based All-Optical Modulator Using MXene $\text{Ti}_3\text{C}_2\text{T}_x$ ($T = \text{F}$). <i>Tj</i> $\frac{E}{Q} \frac{Q}{0} \frac{0}{0} \frac{rg}{BT} / \text{Ove}$	6.2	94
69	Ultrafast Relaxation Dynamics and Nonlinear Response of Few-Layer Niobium Carbide MXene. <i>Small Methods</i> , 2020, 4, 2000250.	9.6	94
70	Nonlinear Few-Layer MXene-Assisted All-Optical Wavelength Conversion at Telecommunication Band. <i>Advanced Optical Materials</i> , 2019, 7, 1801777.	7.9	93
71	Highly stable MXene (V_2CT_x)-based harmonic pulse generation. <i>Nanophotonics</i> , 2020, 9, 2577-2585.	6.3	93
72	Parametric Instabilities and Their Control in Advanced Interferometer Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2005, 94, 121102.	8.0	91

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73	Polydopamine-functionalized black phosphorus quantum dots for cancer theranostics. <i>Applied Materials Today</i> , 2019, 15, 297-304.	4.5	91
74	MXene Ti ₃ C ₂ T _x absorber for a 1.06 μ m passively Q-switched ceramic laser. <i>Laser Physics Letters</i> , 2018, 15, 085805.	1.5	90
75	Two-dimensional nanomaterial-based plasmonic sensing applications: Advances and challenges. <i>Coordination Chemistry Reviews</i> , 2020, 410, 213218.	19.6	90
76	Dual-wavelength Q-switched Er:SrF ₂ laser with a black phosphorus absorber in the mid-infrared region. <i>Optics Express</i> , 2016, 24, 30289.	3.4	89
77	Diethylmaleate activates the transcription factor Pap1 by covalent modification of critical cysteine residues. <i>Molecular Microbiology</i> , 2002, 45, 243-254.	2.5	88
78	Expression of Chemokines and Their Receptors by Human Brain Endothelium: Implications for Multiple Sclerosis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 227-240.	1.8	88
79	Monolayer tellurene metal contacts. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6153-6163.	5.6	86
80	2D GeP as a Novel Broadband Nonlinear Optical Material for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900123.	10.1	84
81	Mitochondrial Dysfunction in Lung Pathogenesis. <i>Annual Review of Physiology</i> , 2017, 79, 495-515.	13.2	83
82	Recent advances in anisotropic two-dimensional materials and device applications. <i>Nano Research</i> , 2021, 14, 897-919.	10.6	81
83	Fluctuations, strangeness, and quasicquarks in heavy-ion collisions from lattice QCD. <i>Physical Review D</i> , 2006, 73, .	4.8	80
84	Ultrafast photonics applications of emerging 2D-Xenes beyond graphene. <i>Nanophotonics</i> , 2022, 11, 1261-1284.	6.3	78
85	Monolayer Bismuthene-Metal Contacts: A Theoretical Study. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23128-23140.	8.3	76
86	Synthesis, properties and novel electrocatalytic applications of the 2D-borophene Xenes. <i>Progress in Solid State Chemistry</i> , 2020, 59, 100283.	7.5	73
87	Key Components of ICU Recovery Programs: What Did Patients Report Provided Benefit?. , 2020, 2, e0088.		71
88	Equivocal Pediatric Appendicitis: Unenhanced MR Imaging Protocol for Nonsedated Children A Clinical Effectiveness Study. <i>Radiology</i> , 2016, 279, 216-225.	8.8	70
89	A bismuthene-based multifunctional all-optical phase and intensity modulator enabled by photothermal effect. <i>Journal of Materials Chemistry C</i> , 2019, 7, 871-878.	5.6	70
90	Two-Dimensional Materials for Integrated Photonics: Recent Advances and Future Challenges. <i>Small Science</i> , 2021, 1, 2000053.	10.6	70

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91	Founder events as determinants of within-island and among-island genetic structure of <i>Daphnia</i> metapopulations. <i>Heredity</i> , 2006, 96, 150-158.	2.7	69
92	When do short-range atomistic machine-learning models fall short?. <i>Journal of Chemical Physics</i> , 2021, 154, 034111.	3.1	69
93	COVID-19 and Neonatal Respiratory Care: Current Evidence and Practical Approach. <i>American Journal of Perinatology</i> , 2020, 37, 780-791.	1.5	68
94	A database survey of molecular and crystallographic symmetry. <i>Acta Crystallographica Section B: Structural Science</i> , 2003, 59, 634-640.	1.7	67
95	The Effect of Cyclophosphamide Pulses on Fertility in Patients With Lupus Nephritis. <i>American Journal of Reproductive Immunology</i> , 1992, 28, 157-158.	1.2	66
96	Bismuth nanosheets as a Q-switcher for a mid-infrared erbium-doped SrF ₂ laser. <i>Photonics Research</i> , 2018, 6, 762.	6.9	66
97	Zero-Dimensional MXene-Based Optical Devices for Ultrafast and Ultranarrow Photonics Applications. <i>Advanced Science</i> , 2020, 7, 2002209.	12.4	66
98	Photodynamic immunotherapy of cancers based on nanotechnology: recent advances and future challenges. <i>Journal of Nanobiotechnology</i> , 2021, 19, 160.	9.3	64
99	Predictive modelling of topology and loop variations in dimeric DNA quadruplex structures. <i>Nucleic Acids Research</i> , 2006, 34, 2117-2127.	14.0	62
100	MXene: two dimensional inorganic compounds, for generation of bound state soliton pulses in nonlinear optical system. <i>Nanophotonics</i> , 2020, 9, 2505-2513.	6.3	60
101	The c-Abl inhibitor, Radotinib HCl, is neuroprotective in a preclinical Parkinson's disease mouse model. <i>Human Molecular Genetics</i> , 2018, 27, 2344-2356.	3.0	59
102	Molecule editable 3D printed polymer-derived ceramics. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213486.	19.6	59
103	<i>In situ</i> preparation of a CsPbBr ₃ /black phosphorus heterostructure with an optimized interface and photodetector application. <i>Nanoscale</i> , 2019, 11, 16852-16859.	5.8	58
104	Graded synthesis of highly ordered MCM-41 and carbon/zeolite composite from coal gasification fine residue for crystal violet removal. <i>Journal of Cleaner Production</i> , 2020, 277, 123186.	9.5	58
105	Effect of Dapagliflozin on Outpatient Worsening of Patients With Heart Failure and Reduced Ejection Fraction. <i>Circulation</i> , 2020, 142, 1623-1632.	9.3	57
106	Ultra-small 2D PbS Nanoplatelets: Liquid-Phase Exfoliation and Emerging Applications for Photo-Electrochemical Photodetectors. <i>Small</i> , 2021, 17, e2005913.	11.2	57
107	MXene saturable absorber enabled hybrid mode-locking technology: a new routine of advancing femtosecond fiber lasers performance. <i>Nanophotonics</i> , 2020, 9, 2451-2458.	6.3	57
108	The fluorine gauche effect. Langmuir isotherms report the relative conformational stability of (±)-erythro- and (±)-threo-9,10-difluorostearic acids Electronic supplementary information (ESI) available: characterisation of compounds 4, 5, 7, 9, 11, 13. See http://www.rsc.org/suppdata/cc/b2/b202891c/ . <i>Chemical Communications</i> , 2002, , 1226-1227.	4.2	56

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109	Broadband third order nonlinear optical responses of bismuth telluride nanosheets. <i>Optical Materials Express</i> , 2016, 6, 2244.	3.0	56
110	(Q)-Switched Mode-Locked Nd:YVO ₄ Laser by Topological Insulator Bi ₂ Te ₃ Saturable Absorber. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1912-1915.	2.5	55
111	Revival of Zeolite-templated Nanocarbon Materials: Recent Advances in Energy Storage and Conversion. <i>Advanced Science</i> , 2020, 7, 2001335.	12.4	54
112	Self-Healable Black Phosphorus Photodetectors. <i>Advanced Functional Materials</i> , 2019, 29, 1906610.	16.5	53
113	Engineering ultrafast charge transfer in a bismuthene/perovskite nanohybrid. <i>Nanoscale</i> , 2019, 11, 2637-2643.	5.8	52
114	Ultrasensitive detection of microRNA using a bismuthene-enabled fluorescence quenching biosensor. <i>Chemical Communications</i> , 2020, 56, 7041-7044.	4.2	52
115	Site-Selective Bi ₂ Te ₃ -FeTe ₂ Heterostructure as a Broadband Saturable Absorber for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900409.	10.1	52
116	Polyphenols delivery by polymeric materials: challenges in cancer treatment. <i>Drug Delivery</i> , 2017, 24, 162-180.	5.9	51
117	2D group-VA fluorinated antimonene: synthesis and saturable absorption. <i>Nanoscale</i> , 2019, 11, 1762-1769.	5.8	51
118	Two-Dimensional Black Arsenic Phosphorus for Ultrafast Photonics in Near- and Mid-Infrared Regimes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46509-46518.	8.3	50
119	Two-dimensional beta-lead oxide quantum dots. <i>Nanoscale</i> , 2018, 10, 20540-20547.	5.8	49
120	Epitaxial Growth of Topological Insulators on Semiconductors (Bi ₂ Se ₃ /Te@Se) toward High-Performance Photodetectors. <i>Small Methods</i> , 2019, 3, 1900349.	9.6	48
121	Baryons Decaying to $\bar{\nu}_\tau$	8.0	48
122	He said, she said: who should speak for households about experiences of food insecurity in Bangladesh?. <i>Food Security</i> , 2010, 2, 81-95.	5.5	47
123	Combining Exosomes Derived from Immature DCs with Donor Antigen-Specific Treg Cells Induces Tolerance in a Rat Liver Allograft Model. <i>Scientific Reports</i> , 2016, 6, 32971.	3.4	47
124	Ti ₃ C ₂ T _x MXene Quantum Dots with Enhanced Stability for Ultrafast Photonics. <i>ACS Applied Nano Materials</i> , 2020, 3, 11850-11860.	5.2	46
125	Nutritional management of older adults with gastrointestinal cancers: An International Society of Geriatric Oncology (SIOG) review paper. <i>Journal of Geriatric Oncology</i> , 2018, 9, 382-392.	1.1	44
126	Ectopic expression of maize knotted1 results in the cytokinin-autotrophic growth of cultured tobacco tissues. <i>Planta</i> , 2000, 210, 884-889.	3.3	43

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127	Mode locked Nd ³⁺ and Gd ³⁺ co-doped calcium fluoride crystal laser at dual gain lines. Optics and Laser Technology, 2018, 100, 294-297.	4.6	40
128	MXene Ti ₃ C ₂ T _x saturable absorber for pulsed laser at 1.3 μ m. Chinese Physics B, 2018, 27, 094214.	1.4	40
129	Numerical and Theoretical Aspects of the DMRG-TCC Method Exemplified by the Nitrogen Dimer. Journal of Chemical Theory and Computation, 2019, 15, 2206-2220.	5.6	40
130	Thermal machines based on surface energy of wetting: Thermodynamic analysis. AIChE Journal, 2003, 49, 764-781.	3.6	39
131	Wideband tunable passively Q-switched fiber laser at 2.8 μ m using a broadband carbon nanotube saturable absorber. Photonics Research, 2019, 7, 14.	6.9	39
132	Lead-Free Perovskite Narrow-Bandgap Oxide Semiconductors of Rare-Earth Manganates. ACS Omega, 2020, 5, 8766-8776.	3.6	39
133	PbSe Nanocrystals Produced by Facile Liquid Phase Exfoliation for Efficient UV-Vis Photodetectors. Advanced Functional Materials, 2021, 31, 2010401.	16.5	39
134	A novel human heparanase splice variant, T5, endowed with protumorigenic characteristics. FASEB Journal, 2010, 24, 1239-1248.	0.5	38
135	Genome-Wide and Gene-Based Meta-Analyses Identify Novel Loci Influencing Blood Pressure Response to Hydrochlorothiazide. Hypertension, 2017, 69, 51-59.	5.2	38
136	NiPS ₃ nanoflakes: a nonlinear optical material for ultrafast photonics. Nanoscale, 2019, 11, 14383-14391.	5.8	38
137	Prodrug-Loaded Zirconium Carbide Nanosheets as a Novel Biophotonic Nanoplatfor for Effective Treatment of Cancer. Advanced Science, 2020, 7, 2001191.	12.4	38
138	Recent advances in photodynamic therapy based on emerging two-dimensional layered nanomaterials. Nano Research, 2020, 13, 1485-1508.	10.6	37
139	Two-dimensional porous coordination polymers and nano-composites for electrocatalysis and electrically conductive applications. Journal of Materials Chemistry A, 2020, 8, 14356-14383.	10.5	37
140	Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation. Reports on Progress in Physics, 2020, 83, 116401.	20.3	37
141	Determining Protein Complex Connectivity Using a Probabilistic Deletion Network Derived from Quantitative Proteomics. PLoS ONE, 2009, 4, e7310.	2.5	36
142	Abnormal Mechanisms of Plasticity and Metaplasticity in Autism Spectrum Disorders and Fragile X Syndrome. Journal of Child and Adolescent Psychopharmacology, 2016, 26, 617-624.	1.4	36
143	Cyanidin-3-O-glucoside promotes the biosynthesis of progesterone through the protection of mitochondrial function in Pb-exposed rat leydig cells. Food and Chemical Toxicology, 2018, 112, 427-434.	3.7	36
144	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, .	4.8	36

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145	Halogenated Antimonene: One-Step Synthesis, Structural Simulation, Tunable Electronic and Photoresponse Property. <i>Advanced Functional Materials</i> , 2019, 29, 1905857.	16.5	35
146	Beta-lead oxide quantum dot (β -PbO QD)/polystyrene (PS) composite films and their applications in ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 6828-6837.	5.8	35
147	Metal-Organic Framework Mediated Multifunctional Nanoplatforams for Cancer Therapy. <i>Advanced Therapeutics</i> , 2019, 2, 1800100.	3.4	34
148	Recent advances of low-dimensional materials in Mid- and Far-infrared photonics. <i>Applied Materials Today</i> , 2020, 21, 100800.	4.5	34
149	Exposure to Dietary Methyl-Mercury Solely during Embryonic and Juvenile Development Halves Subsequent Reproductive Success in Adult Zebra Finches. <i>Environmental Science & Technology</i> , 2018, 52, 3117-3124.	10.5	33
150	Narrow-bandgap materials for optoelectronics applications. <i>Frontiers of Physics</i> , 2022, 17, 1.	5.3	33
151	Large-energy, narrow-bandwidth laser pulse at 1645 nm in a diode-pumped Er:YAG solid-state laser passively Q-switched by a monolayer graphene saturable absorber. <i>Applied Optics</i> , 2014, 53, 254.	1.8	32
152	Amidation of methyl ester side chain bearing poly(2-oxazoline)s with tyramine: a quest for a selective and quantitative approach. <i>Polymer Chemistry</i> , 2019, 10, 954-962.	4.0	31
153	Early changes of serum BDNF and SSRI response in adolescents with major depressive disorder. <i>Journal of Affective Disorders</i> , 2020, 265, 325-332.	4.2	31
154	Recent advances and challenges on dark solitons in fiber lasers. <i>Optics and Laser Technology</i> , 2022, 152, 108116.	4.6	31
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