

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	Acetylated-PPAR β expression is regulated by different P53 genotypes associated with the adipogenic differentiation of polyploid giant cancer cells with daughter cells. <i>Cancer Biology and Medicine</i> , 2023, 20, 56-76.	3.2	4
2	A PIE analysis of China's commercial space development. <i>Humanities and Social Sciences Communications</i> , 2023, 10, .	3.1	1
3	Narrow-bandgap materials for optoelectronics applications. <i>Frontiers of Physics</i> , 2022, 17, 1.	5.3	33
4	Soybean processing wastes and their potential in the generation of high value added products. <i>Food Chemistry</i> , 2022, 373, 131476.	8.4	17
5	Umbilical Cord Blood or HLA-Haploidentical Transplantation: Real-World Outcomes versus Randomized Trial Outcomes. <i>Transplantation and Cellular Therapy</i> , 2022, 28, 109.e1-109.e8.	2.6	12
6	Emerging roles of CD133 in the treatment of gastric cancer, a novel stem cell biomarker and beyond. <i>Life Sciences</i> , 2022, 293, 120050.	4.4	17
7	CD4+ T-cell activation of bone marrow causes bone fragility and insulin resistance in type 2 diabetes. <i>Bone</i> , 2022, 155, 116292.	3.0	11
8	Synthesis, purification and characterization of <i>Plectonema</i> derived AgNPs with elucidation of the role of protein in nanoparticle stabilization. <i>RSC Advances</i> , 2022, 12, 2497-2510.	3.7	16
9	Identification of Biomarkers Associated with Cancerous Change in Oral Leukoplakia Based on Integrated Transcriptome Analysis. <i>Journal of Oncology</i> , 2022, 2022, 1-22.	1.4	4
10	Pharmacophore mapping of the crucial mediators of acetylcholinesterase and butyrylcholinesterase dual inhibition in Alzheimer's disease. <i>Molecular Diversity</i> , 2022, 26, 2761-2774.	4.1	5
11	Tunable engineering of photo- and electro-induced carrier dynamics in perovskite photoelectronic devices. <i>Science China Materials</i> , 2022, 65, 855-875.	6.5	11
12	Mutant phosphatidate phosphatase Pah1-W637A exhibits altered phosphorylation, membrane association, and enzyme function in yeast. <i>Journal of Biological Chemistry</i> , 2022, 298, 101578.	3.5	7
13	Mechanochemically synthesised dicyanamide hybrid organic-inorganic perovskites, and their melt-quenched glasses. <i>Chemical Communications</i> , 2022, 58, 3949-3952.	4.2	6
14	Ultrafast photonics applications of emerging 2D-Xenes beyond graphene. <i>Nanophotonics</i> , 2022, 11, 1261-1284.	6.3	78
15	Stereotactic radioablation to treat ventricular tachycardia related to a left ventricular mass. <i>European Heart Journal</i> , 2022, 43, 2341-2341.	2.3	1
16	Recent advances and challenges on dark solitons in fiber lasers. <i>Optics and Laser Technology</i> , 2022, 152, 108116.	4.6	31
17	Gigahertz femtosecond laser-by a novel asymmetric one-dimensional photonic crystal saturable absorber device with defect layer. <i>Nanophotonics</i> , 2022, 11, 2939-2951.	6.3	13
18	Dynamics of broadband photoinduced species and enabled photodetection in MXenes. <i>Nanophotonics</i> , 2022, 11, 3139-3148.	6.3	9

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19	Concomitant Hepatorenal Dysfunction and Malnutrition in Valvular Heart Surgery: Long-Term Prognostic Implications for Death and Heart Failure. <i>Journal of the American Heart Association</i> , 2022, 11, e024060.	3.9	1
20	Broadband saturable absorption in germanene for mode-locked Yb, Er, and Tm fiber lasers. <i>Nanophotonics</i> , 2022, 11, 3127-3137.	6.3	26
21	Demonstration of high-stable self-mode-locking pulses based on self-focusing in fiber lasers. <i>Infrared Physics and Technology</i> , 2022, 125, 104244.	3.0	4
22	Three birds with one stone: oxygen self-supply engineering palladium nanocluster/titanium carbide hybrid for single-NIR laser-triggered synergistic photodynamic-photothermal therapy. <i>Nanophotonics</i> , 2022, 11, 5061-5075.	6.3	12
23	Sentinel node mapping in patients with biopsy-proven metastatic axillary lymph nodes and upfront surgery: preliminary results of the Multimodal Targeted Axillary Surgery (MUTAS) trial. <i>European Journal of Cancer</i> , 2022, 175, S16.	2.9	0
24	A review of the interaction between anthocyanins and proteins. <i>Food Science and Technology International</i> , 2021, 27, 470-482.	2.3	25
25	Two-Dimensional Materials for Integrated Photonics: Recent Advances and Future Challenges. <i>Small Science</i> , 2021, 1, 2000053.	10.6	70
26	Recent advances in anisotropic two-dimensional materials and device applications. <i>Nano Research</i> , 2021, 14, 897-919.	10.6	81
27	Innovationen und Innovationsmanagement für Unternehmen. , 2021, , 335-361.		0
28	Post-synthetic modification of porous organic cages. <i>Chemical Society Reviews</i> , 2021, 50, 8874-8886.	40.3	116
29	Ultra-small 2D PbS Nanoplatelets: Liquid-Phase Exfoliation and Emerging Applications for Photo-Electrochemical Photodetectors. <i>Small</i> , 2021, 17, e2005913.	11.2	57
30	When do short-range atomistic machine-learning models fall short?. <i>Journal of Chemical Physics</i> , 2021, 154, 034111.	3.1	69
31	Predictive Value of Betatrophin for Determining the Cardiovascular Risks of Obese Individuals. <i>Journal of the College of Physicians and Surgeons-Pakistan: JCPSP</i> , 2021, 31, 177-181.	0.4	0
32	Effects of Pulsed Radiofrequency with Different Temperature on Model Rats of Chronic Constriction Injury. <i>Pain Medicine</i> , 2021, 22, 1612-1618.	1.9	0
33	PbSe Nanocrystals Produced by Facile Liquid Phase Exfoliation for Efficient UV-Vis Photodetectors. <i>Advanced Functional Materials</i> , 2021, 31, 2010401.	16.5	39
34	Improving Survey Measurement of Household Finances: A Review of New Data Sources and Technologies. <i>Wiley Series in Probability and Statistics</i> , 2021, , 337-367.	0.0	1
35	Uninterrupted versus interrupted direct oral anticoagulation for catheter ablation of atrial fibrillation: A systematic review and meta-analysis. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 1995-2004.	1.7	4
36	Photodynamic immunotherapy of cancers based on nanotechnology: recent advances and future challenges. <i>Journal of Nanobiotechnology</i> , 2021, 19, 160.	9.3	64

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37	Leveraging electronic health records to improve management of noncommunicable diseases at primary healthcare centres in Saudi Arabia: a qualitative study. <i>BMC Family Practice</i> , 2021, 22, 106.	2.9	19
38	Magnetic black phosphorus microbubbles for targeted tumor theranostics. <i>Nanophotonics</i> , 2021, 10, 3339-3358.	6.3	13
39	Composite short-side-chain PFSA electrolyte membranes containing selectively modified halloysite nanotubes (HNTs). <i>Journal of Materials Science</i> , 2021, 56, 13108-13127.	3.7	5
40	Broadband and ultrafast all-optical switching based on transition metal carbide. <i>Nanophotonics</i> , 2021, 10, 2617-2623.	6.3	12
41	Isolation experienced by women with gestational cancer: could peer support and tailored information be the answer?. <i>Supportive Care in Cancer</i> , 2021, 29, 7135-7138.	2.3	2
42	Peritoneal dialysis improves quality-of-life in a left ventricular assist device destination therapy patient—a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab307.	0.6	3
43	Growth and Energy Use Efficiency of Grafted Tomato Transplants as Affected by LED Light Quality and Photon Flux Density. <i>Agriculture (Switzerland)</i> , 2021, 11, 816.	3.1	10
44	Performance analysis of photo-electrochemical photodetector based on liquid-phase exfoliation few-layered graphdiyne nanosheets. <i>Nanophotonics</i> , 2021, 10, 2833-2845.	6.3	12
45	Facile synthesis of multi-functional nano-composites by precise loading of Cu ²⁺ onto MgO nano-particles for enhanced osteoblast differentiation, inhibited osteoclast formation and effective bacterial killing. <i>Materials Science and Engineering C</i> , 2021, 130, 112442.	7.8	11
46	Material-based engineering of bacteria for cancer diagnosis and therapy. <i>Applied Materials Today</i> , 2021, 25, 101212.	4.5	4
47	Ultrafast photonics applications of zirconium carbide as a novel mode-locker for fiber lasers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16985-16990.	5.6	13
48	High-detectivity tin disulfide nanowire photodetectors with manipulation of localized ferroelectric polarization field. <i>Nanophotonics</i> , 2021, 10, 4637-4644.	6.3	6
49	MXene-Based Materials for Solar Cell Applications. <i>Nanomaterials</i> , 2021, 11, 3170.	4.2	23
50	Unsymmetric Dumbbell-Shaped Polyhedral Oligomeric Silsesquioxane (POSS) Compound as a Single-Component POSS Hybrid. <i>Langmuir</i> , 2021, 37, 14777-14784.	3.7	5
51	Consistency test of coincidence-summing calculation methods for extended sources. <i>Applied Radiation and Isotopes</i> , 2020, 155, 108921.	1.5	10
52	Top-down mass spectrometry of histone modifications in sorghum reveals potential epigenetic markers for drought acclimation. <i>Methods</i> , 2020, 184, 29-39.	3.9	15
53	Self-Powered Photodetectors Based on 2D Materials. <i>Advanced Optical Materials</i> , 2020, 8, 1900765.	7.9	276
54	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

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55	The visible nonlinear optical properties and passively Q-switched laser application of a layered PtSe ₂ material. <i>Nanoscale</i> , 2020, 12, 1061-1066.	5.8	28
56	Laser diode optical output dependence on junction temperature for high-power laser systems. <i>Optics and Laser Technology</i> , 2020, 125, 106019.	4.6	6
57	Mid-Infrared Photonics Using 2D Materials: Status and Challenges. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900098.	10.1	119
58	The codopant assisted tunable photoluminescence and highly efficient CW lasers in Nd ³⁺ :SrF ₂ crystal. <i>Journal of Luminescence</i> , 2020, 219, 116911.	3.2	8
59	Fungal endocarditis resembling primary cardiac malignancy in a patient with B-cell ALL with culture confirmation. <i>Radiology Case Reports</i> , 2020, 15, 117-119.	0.6	1
60	Recent advances of low-dimensional materials in Mid- and Far-infrared photonics. <i>Applied Materials Today</i> , 2020, 21, 100800.	4.5	34
61	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
62	Zero-Dimensional MXene-Based Optical Devices for Ultrafast and Ultranarrow Photonics Applications. <i>Advanced Science</i> , 2020, 7, 2002209.	12.4	66
63	A systematic approach to estimating traffic load effects on bridges using weigh-in-motion data. <i>Stahlbau</i> , 2020, 89, 585-598.	0.3	7
64	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
65	Phosphotransferase System Uptake and Metabolism of the Î ² -Glucoside Salicin Impact Group A Streptococcal Bloodstream Survival and Soft Tissue Infection. <i>Infection and Immunity</i> , 2020, 88, .	2.4	5
66	Zeolitic Imidazolate Frameworks as Zn ²⁺ Modulation Layers to Enable Dendrite-Free Zn Anodes. <i>Advanced Science</i> , 2020, 7, 2002173.	12.4	222
67	Preclinical characterization of CPL302-253, a selective inhibitor of PI3KÎ, as the candidate for the inhalatory treatment and prevention of Asthma. <i>PLoS ONE</i> , 2020, 15, e0236159.	2.5	4
68	Catechol-Based Molecular Memory Film for Redox Linked Bioelectronics. <i>Advanced Electronic Materials</i> , 2020, 6, 2000452.	5.4	16
69	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
70	NiS ₂ as a broadband saturable absorber for ultrafast pulse lasers. <i>Optics and Laser Technology</i> , 2020, 132, 106492.	4.6	17
71	Molecule editable 3D printed polymer-derived ceramics. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213486.	19.6	59
72	Revival of Zeolite-templated Nanocarbon Materials: Recent Advances in Energy Storage and Conversion. <i>Advanced Science</i> , 2020, 7, 2001335.	12.4	54

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73	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
74	Prodrug-Loaded Zirconium Carbide Nanosheets as a Novel Biophotonic Nanoplatfor for Effective Treatment of Cancer. <i>Advanced Science</i> , 2020, 7, 2001191.	12.4	38
75	Recent advances in photodynamic therapy based on emerging two-dimensional layered nanomaterials. <i>Nano Research</i> , 2020, 13, 1485-1508.	10.6	37
76	Ultrafast Relaxation Dynamics and Nonlinear Response of Few-Layer Niobium Carbide MXene. <i>Small Methods</i> , 2020, 4, 2000250.	9.6	94
77	Bismuthene quantum dots based optical modulator for MIR lasers at $2\frac{1}{4}\mu\text{m}$. <i>Optical Materials</i> , 2020, 102, 109830.	3.7	24
78	Ultrasensitive detection of microRNA using a bismuthene-enabled fluorescence quenching biosensor. <i>Chemical Communications</i> , 2020, 56, 7041-7044.	4.2	52
79	Key Components of ICU Recovery Programs: What Did Patients Report Provided Benefit?. , 2020, 2, e0088.		71
80	Observation of New \tilde{Z} Baryons Decaying to \tilde{c}	8.0	48
81	Emerging combination strategies with phototherapy in cancer nanomedicine. <i>Chemical Society Reviews</i> , 2020, 49, 8065-8087.	40.3	484
82	Determination of the alcoholic content in whiskeys using micellar electrokinetic chromatography on microchips. <i>Food Chemistry</i> , 2020, 329, 127175.	8.4	7
83	Synthesis, properties and novel electrocatalytic applications of the 2D-borophene Xenes. <i>Progress in Solid State Chemistry</i> , 2020, 59, 100283.	7.5	73
84	The Role of Bone Morphogenetic Protein Signaling in Non-Alcoholic Fatty Liver Disease. <i>Scientific Reports</i> , 2020, 10, 9831.	3.4	10
85	Effect of magnetic flux modulation on noise characteristics of tunnel magnetoresistive sensors. <i>Applied Physics Letters</i> , 2020, 116, .	3.2	6
86	Chronic water restriction triggers sex-specific oxidative stress and telomere shortening in lizards. <i>Biology Letters</i> , 2020, 16, 20190889.	2.4	16
87	Broadband nonlinear optical response in GeSe nanoplates and its applications in all-optical diode. <i>Nanophotonics</i> , 2020, 9, 2007-2015.	6.3	23
88	Quantum confinement-induced enhanced nonlinearity and carrier lifetime modulation in two-dimensional tin sulfide. <i>Nanophotonics</i> , 2020, 9, 1963-1972.	6.3	22
89	Site-Selective Bi_2Te_3 - FeTe_2 Heterostructure as a Broadband Saturable Absorber for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900409.	10.1	52
90	Two-dimensional porous coordination polymers and nano-composites for electrocatalysis and electrically conductive applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14356-14383.	10.5	37

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91	Phosphorene-assisted silicon photonic modulator with fast response time. <i>Nanophotonics</i> , 2020, 9, 1973-1979.	6.3	28
92	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
93	Exploring the cause of PM2.5 pollution episodes in a cold metropolis in China. <i>Journal of Cleaner Production</i> , 2020, 256, 120275.	9.5	29
94	Biomimetic hydroxyapatite/silkfibre/methylcellulose composites for bone tissue engineering applications. <i>New Journal of Chemistry</i> , 2020, 44, 4647-4663.	2.7	15
95	Low-dimensional saturable absorbers for ultrafast photonics in solid-state bulk lasers: status and prospects. <i>Nanophotonics</i> , 2020, 9, 2603-2639.	6.3	27
96	MXene/Polymer Membranes: Synthesis, Properties, and Emerging Applications. <i>Chemistry of Materials</i> , 2020, 32, 1703-1747.	7.1	483
97	Two-dimensional nanomaterial-based plasmonic sensing applications: Advances and challenges. <i>Coordination Chemistry Reviews</i> , 2020, 410, 213218.	19.6	90
98	COVID-19 and Neonatal Respiratory Care: Current Evidence and Practical Approach. <i>American Journal of Perinatology</i> , 2020, 37, 780-791.	1.5	68
99	Proposed method for evaluation and categorization of functional capacity of children, adolescents, and adults with cardiac diseases to bring them in existing social justice system by creating the cardiac disability criteria. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 36, 207-225.	0.6	0
100	Graphdiyne-Based Flexible Photodetectors with High Responsivity and Detectivity. <i>Advanced Materials</i> , 2020, 32, e2001082.	24.3	183
101	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
102	Lead-Free Perovskite Narrow-Bandgap Oxide Semiconductors of Rare-Earth Manganates. <i>ACS Omega</i> , 2020, 5, 8766-8776.	3.6	39
103	Passively Q-switched near-infrared lasers with bismuthene quantum dots as the saturable absorber. <i>Optics and Laser Technology</i> , 2020, 128, 106219.	4.6	24
104	Tellurium@Selenium core-shell hetero-junction: Facile synthesis, nonlinear optics, and ultrafast photonics applications towards mid-infrared regime. <i>Applied Materials Today</i> , 2020, 20, 100657.	4.5	9
105	A photo-capacitive sensor operational from 6 K to 350 K with a solution printable, thermally-robust hexagonal boron nitride (h-BN) dielectric and conductive graphene electrodes. <i>Applied Materials Today</i> , 2020, 20, 100660.	4.5	19
106	Recent advances in the aqueous chemistry of the calcium(II)-gluconate system – Equilibria, structure and composition of the complexes forming in neutral and in alkaline solutions. <i>Coordination Chemistry Reviews</i> , 2020, 417, 213337.	19.6	29
107	Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation. <i>Reports on Progress in Physics</i> , 2020, 83, 116401.	20.3	37
108	Sub-hundred nanosecond pulse generation from a black phosphorus Q-switched Er-doped fiber laser. <i>Optics Express</i> , 2020, 28, 4708.	3.4	25

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109	Nonequilibrium hot-electron-induced wavelength-tunable incandescent-type light sources. <i>Photonics Research</i> , 2020, 8, 91.	6.9	28
110	Facile sonochemical-assisted synthesis of orthorhombic phase black phosphorus/rGO hybrids for effective photothermal therapy. <i>Nanophotonics</i> , 2020, 9, 3023-3034.	6.3	10
111	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
112	Advances in photonics of recently developed Xenex. <i>Nanophotonics</i> , 2020, 9, 1621-1649.	6.3	11
113	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
114	Optical telescope with Cassegrain metasurfaces. <i>Nanophotonics</i> , 2020, 9, 3263-3269.	6.3	12
115	Recent investigations on nonlinear absorption properties of carbon nanotubes. <i>Nanophotonics</i> , 2020, 9, 761-781.	6.3	26
116	Highly stable MXene (V_2CT_x)-based harmonic pulse generation. <i>Nanophotonics</i> , 2020, 9, 2577-2585.	6.3	93
117	Landscapes of Investigation and Scientific Initiation: Possibilities in Civilizational Equation. <i>Acta Scientiae</i> , 2020, 22, 165-185.	0.3	2
118	Fully photon modulated heterostructure for neuromorphic computing. <i>Nano Energy</i> , 2019, 65, 104000.	16.5	120
119	2D GeP as a Novel Broadband Nonlinear Optical Material for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900123.	10.1	84
120	<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
121	$NiPS_3$ nanoflakes: a nonlinear optical material for ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 14383-14391.	5.8	38
122	Black phosphorus quantum dot based all-optical signal processing: ultrafast optical switching and wavelength converting. <i>Nanotechnology</i> , 2019, 30, 415202.	2.7	30
123	In_2Se_3 nanosheets with broadband saturable absorption used for near-infrared femtosecond laser mode locking. <i>Nanotechnology</i> , 2019, 30, 465704.	2.7	19
124	Epitaxial Growth of Topological Insulators on Semiconductors ($Bi_2Se_3/Te@Se$) toward High-Performance Photodetectors. <i>Small Methods</i> , 2019, 3, 1900349.	9.6	48
125	Anatomy and Histochemistry of the Roots and Shoots in the Aquatic Selenium Hyperaccumulator <i>Cardamine hupingshanensis</i> (Brassicaceae). <i>Open Life Sciences</i> , 2019, 14, 318-326.	1.4	19
126	Halogenated Antimonene: One-Step Synthesis, Structural Simulation, Tunable Electronic and Photoresponse Property. <i>Advanced Functional Materials</i> , 2019, 29, 1905857.	16.5	35

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127	Self-Healable Black Phosphorus Photodetectors. <i>Advanced Functional Materials</i> , 2019, 29, 1906610.	16.5	53
128	Multiplexed readout of kinetic inductance bolometer arrays. <i>Review of Scientific Instruments</i> , 2019, 90, 074702.	1.4	1
129	Emerging 2D materials beyond graphene for ultrashort pulse generation in fiber lasers. <i>Nanoscale</i> , 2019, 11, 2577-2593.	5.8	249
130	2D group-VA fluorinated antimonene: synthesis and saturable absorption. <i>Nanoscale</i> , 2019, 11, 1762-1769.	5.8	51
131	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
132	Growth, morphology and structure of mixed pentacene films. <i>Journal of Materials Chemistry C</i> , 2019, 7, 289-296.	5.6	7
133	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
134	Experimental study of wave loads on a small vehicle in close proximity to a large vessel. <i>Applied Ocean Research</i> , 2019, 83, 77-87.	4.2	6
135	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
136	Engineering ultrafast charge transfer in a bismuthene/perovskite nanohybrid. <i>Nanoscale</i> , 2019, 11, 2637-2643.	5.8	52
137	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
138	Ultrafast intramolecular vibrational energy transfer in carbon nitride hydrocolloid examined by femtosecond two-dimensional infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, 194703.	3.1	6
139	Nonlinear Few-Layer MXene-Assisted All-Optical Wavelength Conversion at Telecommunication Band. <i>Advanced Optical Materials</i> , 2019, 7, 1801777.	7.9	93
140	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. <i>Chemical Society Reviews</i> , 2019, 48, 2891-2912.	40.3	513
141	Optimization of novel reversible Bruton's tyrosine kinase inhibitors identified using Tethering-fragment-based screens. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2905-2913.	3.1	15
142	Diversity and Community Structure of Ants in the Cuatro Ciénegas Basin, Coahuila, Mexico. <i>Cuatro Ciénegas Basin: an Endangered Hyperdiverse Oasis</i> , 2019, , 129-145.	0.0	1
143	MXene Ti ₃ C ₂ 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
144	Polydopamine-functionalized black phosphorus quantum dots for cancer theranostics. <i>Applied Materials Today</i> , 2019, 15, 297-304.	4.5	91

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145	Hole delocalization as a driving force for charge pair dissociation in organic photovoltaics. <i>Materials Horizons</i> , 2019, 6, 1050-1056.	12.8	21
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	Effectiveness of misoprostol administration for cervical ripening in women before operative hysteroscopy: a randomized, double-blinded controlled trial. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2019, 28, 344-350.	1.3	8
148	Two-dimensional tellurium-polymer membrane for ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 6235-6242.	5.8	108
149	Numerical and Theoretical Aspects of the DMRG-TCC Method Exemplified by the Nitrogen Dimer. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 2206-2220.	5.6	40
150	560. Relating Whole-Genome Sequencing of Methicillin-Resistant <i>Staphylococcus aureus</i> Isolates to Transmission Dynamics and Efficacy of Control Interventions. <i>Open Forum Infectious Diseases</i> , 2019, 6, S265-S266.	0.9	0
151	2D Layered Materials: Synthesis, Nonlinear Optical Properties, and Device Applications. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800327.	10.1	385
152	Passively Q-switched operation of in-band pumped Ho:YLF based on Ti ₃ C ₂ T _x MXene. <i>Infrared Physics and Technology</i> , 2019, 103, 103076.	3.0	21
153	The emerging ferroic orderings in two dimensions. <i>Science China Information Sciences</i> , 2019, 62, 1.	4.5	8
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