

Cong Wang

List of Publications by Year in descending order

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143
papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Permeable superelastic liquid-metal fibre mat enables biocompatible and monolithic stretchable electronics. <i>Nature Materials</i> , 2021, 20, 859-868.	27.5	407
2	Tuning the Optical, Magnetic, and Electrical Properties of ReSe ₂ by Nanoscale Strain Engineering. <i>Nano Letters</i> , 2015, 15, 1660-1666.	9.1	363
3	Stacking tunable interlayer magnetism in bilayer CrI_3 . <i>Physical Review B</i> , 2019, 99, .	8.4	217
4	CeO ₂ -Induced Interfacial Co ²⁺ Octahedral Sites and Oxygen Vacancies for Water Oxidation. <i>ACS Catalysis</i> , 2019, 9, 6484-6490.	11.2	278
5	Ultrafast fiber lasers mode-locked by two-dimensional materials: review and prospect. <i>Photonics Research</i> , 2020, 8, 78.	7.0	242
6	2D Material Optoelectronics for Information Functional Device Applications: Status and Challenges. <i>Advanced Science</i> , 2020, 7, 2000058.	11.2	215
7	Few-layer Tellurium: one-dimensional-like layered elementary semiconductor with striking physical properties. <i>Science Bulletin</i> , 2018, 63, 159-168.	9.0	207
8	Van der Waals epitaxial growth of air-stable CrSe ₂ nanosheets with thickness-tunable magnetic order. <i>Nature Materials</i> , 2021, 20, 818-825.	27.5	206
9	Self-Driven Photodetector and Ambipolar Transistor in Atomically Thin GaTe-MoS ₂ vdW Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2533-2539.	8.0	160
10	Tuning the range, magnitude, and sign of the thermal expansion in intermetallic Mn ₃ Tj. <i>Physical Review Letters</i> , 2019, 123, 085701.	3.2	145
11	Recent progress in ultrafast lasers based on 2D materials as a saturable absorber. <i>Applied Physics Reviews</i> , 2019, 6, .	11.3	143
12	An All-Optical, Actively Q-Switched Fiber Laser by an Antimonene-Based Optical Modulator. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800313.	8.7	122
13	Strain-Sensitive Magnetization Reversal of a van der Waals Magnet. <i>Advanced Materials</i> , 2020, 32, e2004533.	21.0	119
14	MXenes: Synthesis, Optical Properties, and Applications in Ultrafast Photonics. <i>Small</i> , 2021, 17, e2006054.	10.0	119
15	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.	7.3	115
16	Recent Progress in 2D Material-Based Saturable Absorbers for All Solid-State Pulsed Bulk Lasers. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900240.	8.7	111
17	Mid-Infrared Photonics Using 2D Materials: Status and Challenges. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900098.	8.7	106
18	Graphdiyne-Polymer Nanocomposite as a Broadband and Robust Saturable Absorber for Ultrafast Photonics. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900367.	8.7	99

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19	Layer and doping tunable ferromagnetic order in two-dimensional CrS_2 layers. <i>Physical Review B</i> , 2018, 97, .	3.2	96
20	Tunable thermal expansion in framework materials through redox intercalation. <i>Nature Communications</i> , 2017, 8, 14441.	12.8	95
21	Recent Advances in Semiconducting Monoelemental Selenium Nanostructures for Device Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2003301.	14.9	93
22	Recent Advances in Strain-Induced Piezoelectric and Piezoresistive Effect-Engineered 2D Semiconductors for Adaptive Electronics and Optoelectronics. <i>Nano-Micro Letters</i> , 2020, 12, 106.	27.0	89
23	Two-Dimensional Black Phosphorus Nanomaterials: Emerging Advances in Electrochemical Energy Storage Science. <i>Nano-Micro Letters</i> , 2020, 12, 179.	27.0	82
24	Near zero temperature coefficient of resistivity in antiperovskite $\text{Mn}_3\text{Ni}_1-x\text{Cu}_x\text{N}$. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	81
25	Invar-like Behavior of Antiperovskite $\text{Mn}_3\text{Ni}_1-x\text{N}$ Compounds. <i>Chemistry of Materials</i> , 2015, 27, 2495-2501.	6.7	77
26	Enhanced current rectification and self-powered photoresponse in multilayer $\text{p-MoTe}_2/\text{n-MoS}_2$ van der Waals heterojunctions. <i>Nanoscale</i> , 2017, 9, 10733-10740.	5.6	75
27	A Gd@C_{82} single-molecule electret. <i>Nature Nanotechnology</i> , 2020, 15, 1019-1024.	31.5	70
28	Lotus-root-like NiO nanosheets and flower-like NiO microspheres: synthesis and magnetic properties. <i>CrystEngComm</i> , 2011, 13, 4930.	2.6	69
29	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.	5.5	67
30	Spin mapping of intralayer antiferromagnetism and field-induced spin reorientation in monolayer CrTe_2 . <i>Nature Communications</i> , 2022, 13, 257.	12.8	62
31	Baromagnetic Effect in Antiperovskite $\text{Mn}_3\text{Ga}_{0.95}\text{N}_{0.94}$ by Neutron Powder Diffraction Analysis. <i>Advanced Materials</i> , 2016, 28, 3761-3767.	21.0	59
32	Nonlinear Photonics Using Low-Dimensional Metal-Halide Perovskites: Recent Advances and Future Challenges. <i>Advanced Materials</i> , 2021, 33, e2004446.	21.0	58
33	2D III-Nitride Materials: Properties, Growth, and Applications. <i>Advanced Materials</i> , 2021, 33, e2006761.	21.0	58
34	Negative Thermal Expansion and Correlated Magnetic and Electrical Properties of Si-Doped Mn_3GaN Compounds. <i>Journal of the American Ceramic Society</i> , 2010, 93, 650-653.	3.8	55
35	Metal Substitution Steering Electron Correlations in Pyrochlore Ruthenates for Efficient Acidic Water Oxidation. <i>ACS Nano</i> , 2021, 15, 8537-8548.	14.6	54
36	Negative Thermal Expansion and Magnetic Transition in Anti-Perovskite Structured $\text{Mn}_3\text{Zn}_1-x\text{Sn}_x\text{N}$ Compounds. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2178-2181.	3.8	51

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37	Inversion Domain Boundary Induced Stacking and Bandstructure Diversity in Bilayer MoSe ₂ . Nano Letters, 2017, 17, 6653-6660.	9.1	51
38	All-optical modulation with 2D layered materials: status and prospects. Nanophotonics, 2020, 9, 2107-2124.	6.0	51
39	Two-Dimensional Platinum Diselenide: Synthesis, Emerging Applications, and Future Challenges. Nano-Micro Letters, 2020, 12, 174.	27.0	50
40	Bethe-Slater-curve-like behavior and interlayer spin-exchange coupling mechanisms in two-dimensional magnetic bilayers. Physical Review B, 2020, 102, .	3.2	46
41	2D van der Waals heterostructures: processing, optical properties and applications in ultrafast photonics. Materials Horizons, 2020, 7, 2903-2921.	12.2	44
42	Anisotropic Signal Processing with Trigonal Selenium Nanosheet Synaptic Transistors. ACS Nano, 2020, 14, 10018-10026.	14.6	43
43	Recent Advances in Twisted Structures of Flatland Materials and Crafting Moiré Superlattices. Advanced Functional Materials, 2020, 30, 2000878.	14.9	41
44	Metamaterial and nanomaterial electromagnetic wave absorbers: structures, properties and applications. Journal of Materials Chemistry C, 2020, 8, 12768-12794.	5.5	40
45	MXene (Ti ₂ N ₂ T _x): Synthesis, characteristics and application as a thermo-optical switcher for all-optical wavelength tuning laser. Science China Materials, 2021, 64, 259-265.	6.3	40
46	Synthesis Techniques, Optoelectronic Properties, and Broadband Photodetection of Thin-Film Black Phosphorus. Advanced Optical Materials, 2020, 8, 2000045.	7.3	39
47	All-Optical Control of Microfiber Knot Resonator Based on 2D Ti ₂ CT _x MXene. Advanced Optical Materials, 2020, 8, 1900977.	7.3	39
48	Large spin-orbit splitting in the conduction band of halogen (F, Cl, Br, and I) doped monolayer $W_{1-x}S_x$ with spin-orbit coupling. Physical Review B, 2017, 96, .	3.2	38
49	Ti ₃ C ₂ T _x MXene Quantum Dots with Enhanced Stability for Ultrafast Photonics. ACS Applied Nano Materials, 2020, 3, 11850-11860.	5.0	38
50	Emerging Group-VI Elemental 2D Materials: Preparations, Properties, and Device Applications. Small, 2020, 16, e2003319.	10.0	38
51	Amorphous phase stability of NbTiAlSiN _x high-entropy films. Rare Metals, 2018, 37, 682-689.	7.1	37
52	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	37
53	Emerging of two-dimensional materials in novel memristor. Frontiers of Physics, 2022, 17, 1.	5.0	37
54	Engineering Point-Defect States in Monolayer WSe ₂ . ACS Nano, 2019, 13, 1595-1602.	14.6	35

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55	Nano-bio interfaces effect of two-dimensional nanomaterials and their applications in cancer immunotherapy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3447-3464.	12.0	35
56	Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation. <i>Reports on Progress in Physics</i> , 2020, 83, 116401.	20.1	35
57	NiPS ₃ nanoflakes: a nonlinear optical material for ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 14383-14391.	5.6	34
58	Janus nanoparticles for cellular delivery chemotherapy: Recent advances and challenges. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213467.	18.8	34
59	Fano Resonance in Artificial Photonic Molecules. <i>Advanced Optical Materials</i> , 2020, 8, 1902153.	7.3	34
60	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.	5.6	33
61	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.	10.3	33
62	Magnetic structure and lattice contraction in Mn ₃ NiN. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	32
63	Recent advances in mode-locked fiber lasers based on two-dimensional materials. <i>Nanophotonics</i> , 2020, 9, 2315-2340.	6.0	32
64	Gate-tunable diode-like current rectification and ambipolar transport in multilayer van der Waals ReSe ₂ /WS ₂ heterojunctions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27750-27753.	2.8	30
65	MXene-based high-performance all-optical modulators for actively Q-switched pulse generation. <i>Photonics Research</i> , 2020, 8, 1140.	7.0	30
66	Review of 2D group VA material-based heterostructures. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 293002.	2.8	29
67	Charge-governed phase manipulation of few-layer tellurium. <i>Nanoscale</i> , 2018, 10, 22263-22269.	5.6	28
68	Novel layered 2D materials for ultrafast photonics. <i>Nanophotonics</i> , 2020, 9, 1743-1786.	6.0	27
69	Recent progress in all-inorganic metal halide nanostructured perovskites: Materials design, optical properties, and application. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	26
70	Uniaxial Negative Thermal Expansion, Negative Linear Compressibility, and Negative Poisson's Ratio Induced by Specific Topology in Zn[Au(CN) ₂] ₂ . <i>Inorganic Chemistry</i> , 2017, 56, 15101-15109.	4.0	25
71	Recent investigations on nonlinear absorption properties of carbon nanotubes. <i>Nanophotonics</i> , 2020, 9, 761-781.	6.0	25
72	Light helicity detector based on 2D magnetic semiconductor CrI ₃ . <i>Nature Communications</i> , 2021, 12, 6874.	12.8	25

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73	Low-dimensional saturable absorbers for ultrafast photonics in solid-state bulk lasers: status and prospects. <i>Nanophotonics</i> , 2020, 9, 2603-2639.	6.0	24
74	Nonvolatile electric field control of magnetism in bilayer CrI_3 on monolayer In_2S_3 . <i>Physical Review B</i> , 2021, 104, .	3.2	24
75	Frustrated Triangular Magnetic Structures of Mn_3ZnN : Applications in Thermal Expansion. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24983-24990.	3.1	23
76	An Insightful Picture of Nonlinear Photonics in 2D Materials and their Applications: Recent Advances and Future Prospects. <i>Advanced Optical Materials</i> , 2021, 9, 2001671.	7.3	23
77	Emerging intrinsic magnetism in two-dimensional materials: theory and applications. <i>2D Materials</i> , 2021, 8, 012005.	4.4	23
78	Preparation and Photocatalytic Properties of a Hierarchical BiOCl/BiOF Composite Photocatalyst. <i>Catalysis Letters</i> , 2018, 148, 1281-1288.	2.6	22
79	Layer-Dependent Interlayer Antiferromagnetic Spin Reorientation in Air-Stable Semiconductor CrSb . <i>ACS Nano</i> , 2022, 16, 11876-11883.	14.6	22
80	Strain-Induced Band-Gap Tuning of 2D SnSSe Flakes for Application in Flexible Sensors. <i>Advanced Materials Technologies</i> , 2020, 5, 1900853.	5.8	21
81	High-performance monolayer MoS_2 photodetector enabled by oxide stress liner using scalable chemical vapor growth method. <i>Nanophotonics</i> , 2020, 9, 1981-1991.	6.0	21
82	Recent progress and strategies in photodetectors based on 2D inorganic/organic heterostructures. <i>2D Materials</i> , 2021, 8, 012001.	4.4	21
83	Magnetic Phase Transitions and Magnetoelastic Coupling in a Two-Dimensional Stripy Antiferromagnet. <i>Nano Letters</i> , 2022, 22, 1233-1241.	9.1	21
84	Investigation of the spin-lattice coupling in Mn_3Ge .	3.2	20
85	Negative Thermal Expansion over a Wide Temperature Range in Fe-Doped MnNiGe Composites. <i>Frontiers in Chemistry</i> , 2018, 6, 15.	3.6	20
86	Perseverance of direct bandgap in multilayer 2D PbI_2 under an experimental strain up to 7.69%. <i>2D Materials</i> , 2019, 6, 025014.	4.4	20
87	Halogen Functionalization in the 2D Material Flatland: Strategies, Properties, and Applications. <i>Small</i> , 2021, 17, e2005640.	10.0	20
88	Tunable negative thermal expansion and structural evolution in antiperovskite $\text{Mn}_3\text{Ga}_1\text{Ge}_x\text{N}$ ($0 \leq x \leq 1.0$). <i>Journal of the American Ceramic Society</i> , 2017, 100, 5739-5745.	3.8	19
89	Crypto primitive of MOCVD MoS_2 transistors for highly secured physical unclonable functions. <i>Nano Research</i> , 2021, 14, 1784-1788.	10.4	19
90	Facile access to shape-controlled growth of WS_2 monolayer via environment-friendly method. <i>2D Materials</i> , 2019, 6, 015007.	4.4	18

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91	Topological phase change transistors based on tellurium Weyl semiconductor. <i>Science Advances</i> , 2022, 8, .	10.3	17
92	Firstâ€Principles Study of Sc _{1-x} Ti _x F ₃ (0.375): Negative Thermal Expansion, Phase Transition, and Compressibility. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2852-2857.	3.8	16
93	Artificial Carbon Graphdiyne: Status and Challenges in Nonlinear Photonic and Optoelectronic Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49281-49296.	8.0	16
94	Synthesis of atomically thin GaSe wrinkles for strain sensors. <i>Frontiers of Physics</i> , 2016, 11, 1.	5.0	15
95	A few-layer InSe-based sensitivity-enhanced photothermal fiber sensor. <i>Journal of Materials Chemistry C</i> , 2020, 8, 132-138.	5.5	15
96	Graphdiyne as a saturable absorber for 2-µm all-solid-state Q-switched laser. <i>Science China Materials</i> , 2021, 64, 683-690.	6.3	15
97	Preparation and spectral properties of solar selective absorbing MoSi ₂ -Al ₂ O ₃ coating. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1519-1524.	1.8	14
98	Effect of Yb concentration on the microstructures, spectra, and laser performance of Yb:CaF ₂ transparent ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 5787-5795.	3.8	14
99	Room-temperature third-order nonlinear Hall effect in Weyl semimetal TaIrTe ₄ . <i>National Science Review</i> , 2022, 9, .	9.5	14
100	Enhancing light emission efficiency without color change in post-transition metal chalcogenides. <i>Nanoscale</i> , 2016, 8, 5820-5825.	5.6	13
101	Boron quantum dots all-optical modulator based on efficient photothermal effect. <i>Opto-Electronic Advances</i> , 2021, 4, 200032-200032.	13.3	13
102	Broadband and Wide-Temperature-Range Thermal Emitter with Super-Hydrophobicity Based on Oxidized High-Entropy Film. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4123-4128.	8.0	12
103	Ultrafast pulse lasers based on two-dimensional nanomaterials. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 188101.	0.5	12
104	Chirality locking charge density waves in a chiral crystal. <i>Nature Communications</i> , 2022, 13, .	12.8	12
105	Deciphering mechanical properties of 2D materials from the size distribution of exfoliated fragments. <i>Extreme Mechanics Letters</i> , 2019, 29, 100473.	4.1	11
106	Evolutional carrier mobility and power factor of two-dimensional tin telluride due to quantum size effects. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4181-4191.	5.5	11
107	Tailoring the ultrafast and nonlinear photonics of MXenes through elemental replacement. <i>Nanoscale</i> , 2021, 13, 15891-15898.	5.6	11
108	Advances in photonics of recently developed Xenes. <i>Nanophotonics</i> , 2020, 9, 1621-1649.	6.0	11

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109	Gigahertz femtosecond laser-by a novel asymmetric one-dimensional photonic crystal saturable absorber device with defect layer. <i>Nanophotonics</i> , 2022, 11, 2939-2951.	6.0	11
110	Unusual magnetic hysteresis and the weakened transition behavior induced by Sn substitution in Mn ₃ SbN. <i>Journal of Applied Physics</i> , 2014, 115, 043509.	2.5	10
111	Giant Negative Thermal Expansion in Antiferromagnetic CrAs -Based Compounds. <i>Physical Review Applied</i> , 2019, 12, .	3.8	9
112	High-performance optoelectronic memory based on bilayer MoS ₂ grown by Au catalyst. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2664-2668.	5.5	9
113	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. <i>Nano Research</i> , 2021, 14, 1390-1396.	10.4	9
114	Broadband and ultrafast all-optical switching based on transition metal carbide. <i>Nanophotonics</i> , 2021, 10, 2617-2623.	6.0	9
115	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.	4.3	9
116	Anisotropic Properties of Tellurium Nanoflakes Probed by Polarized Raman and Transient Absorption Microscopy: Implications for Polarization-Sensitive Applications. <i>ACS Applied Nano Materials</i> , 2022, 5, 1767-1774.	5.0	9
117	Modulation of the cutoff wavelength in the spectra for solar selective absorbing coating based on high-entropy films. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 1371-1378.	4.9	8
118	Colloidal semiconductor nanocrystals: synthesis, optical nonlinearity, and related device applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6686-6721.	5.5	8
119	Intercalating copper into layered TaS ₂ van der Waals gaps. <i>RSC Advances</i> , 2017, 7, 46699-46703.	3.6	7
120	A ternary Sn _{1.26} Se _{0.76} alloy for flexible broadband photodetectors. <i>RSC Advances</i> , 2019, 9, 14352-14359.	3.6	7
121	Optical Performance, Thermal Stability, and Failure Analysis of the W _N -Si ₃ N ₄ Multilayer Solar Selective Absorbing Coatings. <i>ACS Applied Energy Materials</i> , 2022, 5, 1883-1893.	5.1	7
122	Short and symmetric pulse in double Q-switching Nd:GdVO ₄ 1.34-μm laser with AO and Co ²⁺ :MgAl ₂ O ₄ saturable absorber. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	6
123	A graphene P-N junction induced by single-gate control of dielectric structures. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8796-8802.	5.5	6
124	Synthesis of BiOF/TiO ₂ Heterostructures and Their Enhanced Visible-Light Photocatalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 253-260.	2.0	6
125	All-optical devices based on two-dimensional materials. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 184216.	0.5	6
126	Application of high-pressure technology in exploring mechanical properties of high-entropy alloys. <i>Tungsten</i> , 2023, 5, 50-66.	4.8	6

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127	Unusual Electrical Transport Driven by the Competition between Antiferromagnetism and Ferromagnetism in Antiperovskite $Mn_3Zn_{1-x}Co_xN$. <i>Materials</i> , 2018, 11, 286.	2.9	5
128	Fiber all-optical light control with low-dimensional materials (LDMs): thermo-optic effect and saturable absorption. <i>Nanoscale Advances</i> , 2019, 1, 4190-4206.	4.6	5
129	Strain regulated interlayer coupling in WSe_2/WS_2 heterobilayer. <i>Nanotechnology</i> , 2022, 33, 085705.	2.6	5
130	Two-Dimensional Tellurene Transistors with Low Contact Resistance and Self-Aligned Catalytic Thinning Process. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	5
131	Controlling Chiral Spin States of a Triangular Lattice Magnet by Cooling in a Magnetic Field. <i>Advanced Functional Materials</i> , 2019, 29, 1900947.	14.9	4
132	Broadly Tunable and Passively Mode-Locked Operations of $Yb^{3+}, Gd^{3+}:SrF_2$ Laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-5.	2.9	4
133	All-Optical Active Q-Switching: An All-Optical, Actively Q-Switched Fiber Laser by an Antimonene-Based Optical Modulator (<i>Laser Photonics Rev.</i> 13(4)/2019). <i>Laser and Photonics Reviews</i> , 2019, 13, 1970020.	8.7	4
134	Alloy-buffer-controlled van der Waals epitaxial growth of aligned tellurene. <i>Nano Research</i> , 2022, 15, 5712-5718.	10.4	4
135	Thermodynamic, Electromagnetic, and Lattice Properties of Antiperovskite Mn_3SbN . <i>Advances in Condensed Matter Physics</i> , 2013, 2013, 1-5.	1.1	3
136	Investigating molecular orbitals with submolecular precision on pristine sites and single atomic vacancies of monolayer h-BN. <i>Nano Research</i> , 2020, 13, 2233-2238.	10.4	3
137	MXenes: Synthesis, Optical Properties, and Applications in Ultrafast Photonics (<i>Small</i> 11/2021). <i>Small</i> , 2021, 17, 2170048.	10.0	3
138	Giant zero-field cooling exchange-bias-like behavior in antiperovskite Mn_3C	2.4	3
139	Rectifying Characteristics and Semiconductor-Like Metal Transition Induced by Interfacial Potential in the Mn_3CuN/n -Si Intermetallic Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12592-12600.	8.0	2
140	Local Joule Heating Mimicking Electroresistance-Like Behavior in Antiperovskite Mn_3GaC . <i>Advanced Electronic Materials</i> , 2018, 4, 1800028.	5.1	2
141	Growth of Intricate ZnO Nanorod Networks on Fe_2O_3 -Coated Si Substrate: Growth Mechanism and Optical Properties. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1992-1994.	3.8	1
142	Synthesis and photocatalytic properties of $Cu_2O/BiOCl$ semiconductor films. , 2013, , .		0
143	Enhancement of the VIS-NIR absorption in a sulfurated-high-entropy film. <i>Materials Advances</i> , 2021, 2, 6411-6417.	5.4	0