Cong Wang

List of Publications by Year
in descending order

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143	6,844	66343	69250
papers	citations	42 h-index	77 g-index

144	144	144	7535
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of high-pressure technology in exploring mechanical properties of high-entropy alloys. Tungsten, 2023, 5, 50-66.	4.8	6
2	Emerging of two-dimensional materials in novel memristor. Frontiers of Physics, 2022, 17, 1.	5.0	37
3	Strain regulated interlayer coupling in WSe₂/WS₂ heterobilayer. Nanotechnology, 2022, 33, 085705.	2.6	5
4	Spin mapping of intralayer antiferromagnetism and field-induced spin reorientation in monolayer CrTe2. Nature Communications, 2022, 13, 257.	12.8	62
5	Magnetic Phase Transitions and Magnetoelastic Coupling in a Two-Dimensional Stripy Antiferromagnet. Nano Letters, 2022, 22, 1233-1241.	9.1	21
6	Optical Performance, Thermal Stability, and Failure Analysis of the WN_x-Si₃N₄ Multilayer Solar Selective Absorbing Coatings. ACS Applied Energy Materials, 2022, 5, 1883-1893.	5.1	7
7	Room-temperature third-order nonlinear Hall effect in Weyl semimetal TaIrTe4. National Science Review, 2022, 9, .	9.5	14
8	Anisotropic Properties of Tellurium Nanoflakes Probed by Polarized Raman and Transient Absorption Microscopy: Implications for Polarization-Sensitive Applications. ACS Applied Nano Materials, 2022, 5, 1767-1774.	5.0	9
9	Alloy-buffer-controlled van der Waals epitaxial growth of aligned tellurene. Nano Research, 2022, 15, 5712-5718.	10.4	4
10	Gigahertz femtosecond laser-by a novel asymmetric one-dimensional photonic crystal saturable absorber device with defect layer. Nanophotonics, 2022, 11, 2939-2951.	6.0	11
11	Layer-Dependent Interlayer Antiferromagnetic Spin Reorientation in Air-Stable Semiconductor CrSBr. ACS Nano, 2022, 16, 11876-11883.	14.6	22
12	Chirality locking charge density waves in a chiral crystal. Nature Communications, 2022, 13, .	12.8	12
13	Twoâ€Dimensional Tellurene Transistors with Low Contact Resistance and Selfâ€Aligned Catalytic Thinning Process. Advanced Electronic Materials, 2022, 8, .	5.1	5
14	Topological phase change transistors based on tellurium Weyl semiconductor. Science Advances, 2022, 8, .	10.3	17
15	MXene (Ti2NTx): 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
16	Recent progress in all-inorganic metal halide nanostructured perovskites: Materials design, optical properties, and application. Frontiers of Physics, 2021, 16, 1.	5.0	26
17	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. Nano Research, 2021, 14, 1390-1396.	10.4	9
18	Graphdiyne as a saturable absorber for 2-Âµm all-solid-state Q-switched laser. Science China Materials, 2021, 64, 683-690.	6.3	15

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19	Crypto primitive of MOCVD MoS2 transistors for highly secured physical unclonable functions. Nano Research, 2021, 14, 1784-1788.	10.4	19
20	Enhancement of the VIS-NIR absorption in a sulfurated-high-entropy film. Materials Advances, 2021, 2, 6411-6417.	5.4	0
21	Boron quantum dots all-optical modulator based on efficient photothermal effect. Opto-Electronic Advances, 2021, 4, 200032-200032.	13.3	13
22	Colloidal semiconductor nanocrystals: synthesis, optical nonlinearity, and related device applications. Journal of Materials Chemistry C, 2021, 9, 6686-6721.	5.5	8
23	Permeable superelastic liquid-metal fibre mat enables biocompatible and monolithic stretchable electronics. Nature Materials, 2021, 20, 859-868.	27.5	407
24	MXenes: Synthesis, Optical Properties, and Applications in Ultrafast Photonics. Small, 2021, 17, e2006054.	10.0	119
25	Nonlinear Photonics Using Lowâ€Dimensional Metalâ€Halide Perovskites: Recent Advances and Future Challenges. Advanced Materials, 2021, 33, e2004446.	21.0	58
26	Halogen Functionalization in the 2D Material Flatland: Strategies, Properties, and Applications. Small, 2021, 17, e2005640.	10.0	20
27	Van der Waals epitaxial growth of air-stable CrSe2 nanosheets with thickness-tunable magnetic order. Nature Materials, 2021, 20, 818-825.	27.5	206
28	MXenes: MXenes: Synthesis, Optical Properties, and Applications in Ultrafast Photonics (Small 11/2021). Small, 2021, 17, 2170048.	10.0	3
29	An Insightful Picture of Nonlinear Photonics in 2DÂMaterials and their Applications: Recent Advances and Future Prospects. Advanced Optical Materials, 2021, 9, 2001671.	7.3	23
30	2D IIIâ€Nitride Materials: Properties, Growth, and Applications. Advanced Materials, 2021, 33, e2006761.	21.0	58
31	Nano-bio interfaces effect of two-dimensional nanomaterials and their applications in cancer immunotherapy. Acta Pharmaceutica Sinica B, 2021, 11, 3447-3464.	12.0	35
32	Metal Substitution Steering Electron Correlations in Pyrochlore Ruthenates for Efficient Acidic Water Oxidation. ACS Nano, 2021, 15, 8537-8548.	14.6	54
33	Broadband and ultrafast all-optical switching based on transition metal carbide. Nanophotonics, 2021, 10, 2617-2623.	6.0	9
34	Nonvolatile electric field control of magnetism in bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml: on monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>In</mml:mi><mml:mn>2</mml:mn></mml:n Physical Review B, 2021, 104, .	3.2	24
35	Tailoring the ultrafast and nonlinear photonics of MXenes through elemental replacement. Nanoscale, 2021, 13, 15891-15898.	5.6	11
36	Emerging intrinsic magnetism in two-dimensional materials: theory and applications. 2D Materials, 2021, 8, 012005.	4.4	23

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37	Recent progress and strategies in photodetectors based on 2D inorganic/organic heterostructures. 2D Materials, 2021, 8, 012001.	4.4	21
38	Light helicity detector based on 2D magnetic semiconductor CrI3. Nature Communications, 2021, 12, 6874.	12.8	25
39	Broadband and Wide-Temperature-Range Thermal Emitter with Super-Hydrophobicity Based on Oxidized High-Entropy Film. ACS Applied Materials & Interfaces, 2020, 12, 4123-4128.	8.0	12
40	A few-layer InSe-based sensitivity-enhanced photothermal fiber sensor. Journal of Materials Chemistry C, 2020, 8, 132-138.	5.5	15
41	Synthesis of BiOF/TiO₂ Heterostructures and Their Enhanced Visibleâ€Light Photocatalytic Activity. European Journal of Inorganic Chemistry, 2020, 2020, 253-260.	2.0	6
42	Recent Progress in 2D Materialâ€Based Saturable Absorbers for All Solidâ€State Pulsed Bulk Lasers. Laser and Photonics Reviews, 2020, 14, 1900240.	8.7	111
43	Midâ€Infrared Photonics Using 2D Materials: Status and Challenges. Laser and Photonics Reviews, 2020, 14, 1900098.	8.7	106
44	Strainâ€Induced Bandâ€Gap Tuning of 2Dâ€SnSSe Flakes for Application in Flexible Sensors. Advanced Materials Technologies, 2020, 5, 1900853.	5.8	21
45	A Gd@C82 single-molecule electret. Nature Nanotechnology, 2020, 15, 1019-1024.	31.5	70
46	Recent Advances in Twisted Structures of Flatland Materials and Crafting MoirÃ© Superlattices. Advanced Functional Materials, 2020, 30, 2000878.	14.9	41
47	Ti₃C₂T_x MXene Quantum Dots with Enhanced Stability for Ultrafast Photonics. ACS Applied Nano Materials, 2020, 3, 11850-11860.	5.0	38
48	Janus nanoparticles for cellular delivery chemotherapy: Recent advances and challenges. Coordination Chemistry Reviews, 2020, 422, 213467.	18.8	34
49	Anisotropic Signal Processing with Trigonal Selenium Nanosheet Synaptic Transistors. ACS Nano, 2020, 14, 10018-10026.	14.6	43
50	Emerging Groupâ€VI Elemental 2D Materials: Preparations, Properties, and Device Applications. Small, 2020, 16, e2003319.	10.0	38
51	Artificial Carbon Graphdiyne: Status and Challenges in Nonlinear Photonic and Optoelectronic Applications. ACS Applied Materials & Interfaces, 2020, 12, 49281-49296.	8.0	16
52	Two-Dimensional Platinum Diselenide: Synthesis, Emerging Applications, and Future Challenges. Nano-Micro Letters, 2020, 12, 174.	27.0	50
53	Two-Dimensional Black Phosphorus Nanomaterials: Emerging Advances in Electrochemical Energy Storage Science. Nano-Micro Letters, 2020, 12, 179.	27.0	82
54	Strainâ€Sensitive Magnetization Reversal of a van der Waals Magnet. Advanced Materials, 2020, 32, e2004533.	21.0	119

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55	Recent Advances in Semiconducting Monoelemental Selenium Nanostructures for Device Applications. Advanced Functional Materials, 2020, 30, 2003301.	14.9	93
56	Modulation of the cutoff wavelength in the spectra for solar selective absorbing coating based on high-entropy films. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 1371-1378.	4.9	8
57	Recent Advances in Strain-Induced Piezoelectric and Piezoresistive Effect-Engineered 2D Semiconductors for Adaptive Electronics and Optoelectronics. Nano-Micro Letters, 2020, 12, 106.	27.0	89
58	Synthesis Techniques, Optoelectronic Properties, and Broadband Photodetection of Thinâ€Film Black Phosphorus. Advanced Optical Materials, 2020, 8, 2000045.	7.3	39
59	Effect of Yb concentration on the microstructures, spectra, and laser performance of Yb: CaF₂ transparent ceramics. Journal of the American Ceramic Society, 2020, 103, 5787-5795.	3.8	14
60	All-optical modulation with 2D layered materials: status and prospects. Nanophotonics, 2020, 9, 2107-2124.	6.0	51
61	Review of 2D group VA material-based heterostructures. Journal Physics D: Applied Physics, 2020, 53, 293002.	2.8	29
62	Fano Resonance in Artificial Photonic Molecules. Advanced Optical Materials, 2020, 8, 1902153.	7.3	34
63	High-performance monolayer MoS₂ photodetector enabled by oxide stress liner using scalable chemical vapor growth method. Nanophotonics, 2020, 9, 1981-1991.	6.0	21
64	Graphdiyneâ€Polymer Nanocomposite as a Broadband and Robust Saturable Absorber for Ultrafast Photonics. Laser and Photonics Reviews, 2020, 14, 1900367.	8.7	99
65	Two-dimensional porous coordination polymers and nano-composites for electrocatalysis and electrically conductive applications. Journal of Materials Chemistry A, 2020, 8, 14356-14383.	10.3	33
66	Metamaterial and nanomaterial electromagnetic wave absorbers: structures, properties and applications. Journal of Materials Chemistry C, 2020, 8, 12768-12794.	5.5	40
67	Investigating molecular orbitals with submolecular precision on pristine sites and single atomic vacancies of monolayer h-BN. Nano Research, 2020, 13, 2233-2238.	10.4	3
68	Low-dimensional saturable absorbers for ultrafast photonics in solid-state bulk lasers: status and prospects. Nanophotonics, 2020, 9, 2603-2639.	6.0	24
69	Evolutional carrier mobility and power factor of two-dimensional tin telluride due to quantum size effects. Journal of Materials Chemistry C, 2020, 8, 4181-4191.	5.5	11
70	Allâ€Optical Control of Microfiber Knot Resonator Based on 2D Ti₂CT_x MXene. Advanced Optical Materials, 2020, 8, 1900977.	7.3	39
71	High-performance optoelectronic memory based on bilayer MoS₂ grown by Au catalyst. Journal of Materials Chemistry C, 2020, 8, 2664-2668.	5.5	9
72	2D Material Optoelectronics for Information Functional Device Applications: Status and Challenges. Advanced Science, 2020, 7, 2000058.	11.2	215

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73	Tellurium@Selenium core-shell hetero-junction: Facile synthesis, nonlinear optics, and ultrafast photonics applications towards mid-infrared regime. Applied Materials Today, 2020, 20, 100657.	4.3	9
74	2D van der Waals heterostructures: processing, optical properties and applications in ultrafast photonics. Materials Horizons, 2020, 7, 2903-2921.	12.2	44
75	Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation. Reports on Progress in Physics, 2020, 83, 116401.	20.1	35
76	Bethe-Slater-curve-like behavior and interlayer spin-exchange coupling mechanisms in two-dimensional magnetic bilayers. Physical Review B, 2020, 102, .	3.2	46
77	MXene-based high-performance all-optical modulators for actively Q-switched pulse generation. Photonics Research, 2020, 8, 1140.	7.0	30
78	Ultrafast fiber lasers mode-locked by two-dimensional materials: review and prospect. Photonics Research, 2020, 8, 78.	7.0	242
79	Advances in photonics of recently developed Xenes. Nanophotonics, 2020, 9, 1621-1649.	6.0	11
80	Novel layered 2D materials for ultrafast photonics. Nanophotonics, 2020, 9, 1743-1786.	6.0	27
81	Recent investigations on nonlinear absorption properties of carbon nanotubes. Nanophotonics, 2020, 9, 761-781.	6.0	25
82	Recent advances in mode-locked fiber lasers based on two-dimensional materials. Nanophotonics, 2020, 9, 2315-2340.	6.0	32
83	All-optical devices based on two-dimensional materials. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 184216.	0.5	6
84	NiPS₃ nanoflakes: a nonlinear optical material for ultrafast photonics. Nanoscale, 2019, 11, 14383-14391.	5.6	34
85	Controlling Chiral Spin States of a Triangularâ€Lattice Magnet by Cooling in a Magnetic Field. Advanced Functional Materials, 2019, 29, 1900947.	14.9	4
86	A graphene Pâ€“N junction induced by single-gate control of dielectric structures. Journal of Materials Chemistry C, 2019, 7, 8796-8802.	5.5	6
87	Broadly Tunable and Passively Mode-Locked Operations of Yb³⁺,Gd³⁺:SrF₂ Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-5.	2.9	4
88	Recent progress in ultrafast lasers based on 2D materials as a saturable absorber. Applied Physics Reviews, 2019, 6, .	11.3	143
89	Giant Negative Thermal Expansion in Antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mrow><mml:mi>Cr</mml:mi><mml:mi>As</mml:mi></mml:mrow></mml:math> -Based Compounds. Physical Review Applied, 2019, 12, .	3.8	9
90	A bismuthene-based multifunctional all-optical phase and intensity modulator enabled by photothermal effect. Journal of Materials Chemistry C, 2019, 7, 871-878.	5.5	67

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91	Engineering Point-Defect States in Monolayer WSe₂. ACS Nano, 2019, 13, 1595-1602.	14.6	35
92	An Allâ€Optical, Actively Qâ€Switched Fiber Laser by an Antimoneneâ€Based Optical Modulator. Laser and Photonics Reviews, 2019, 13, 1800313.	8.7	122
93	Perseverance of direct bandgap in multilayer 2D PbI ₂ under an experimental strain up to 7.69%. 2D Materials, 2019, 6, 025014.	4.4	20
94	A ternary SnS1.26Se0.76 alloy for flexible broadband photodetectors. RSC Advances, 2019, 9, 14352-14359.	3.6	7
95	CeO₂-Induced Interfacial Co²⁺ Octahedral Sites and Oxygen Vacancies for Water Oxidation. ACS Catalysis, 2019, 9, 6484-6490.	11.2	278
96	Deciphering mechanical properties of 2D materials from the size distribution of exfoliated fragments. Extreme Mechanics Letters, 2019, 29, 100473.	4.1	11
97	MXene Ti₃C₂T_x: A Promising Photothermal Conversion Material and Application in Allâ€Optical Modulation and Allâ€Optical Information Loading. Advanced Optical Materials, 2019, 7, 1900060.	7.3	115
98	Beta-lead oxide quantum dot (Î²-PbO QD)/polystyrene (PS) composite films and their applications in ultrafast photonics. Nanoscale, 2019, 11, 6828-6837.	5.6	33
99	Allâ€Optical Active Qâ€Switching: An Allâ€Optical, Actively Qâ€Switched Fiber Laser by an Antimoneneâ€Based Optical Modulator (Laser Photonics Rev. 13(4)/2019). Laser and Photonics Reviews, 2019, 13, 1970020.	8.7	4
100	Stacking tunable interlayer magnetism in bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> Physical Review B, 2019, 99, .	3.2	287
101	Fiber all-optical light control with low-dimensional materials (LDMs): thermo-optic effect and saturable absorption. Nanoscale Advances, 2019, 1, 4190-4206.	4.6	5
102	Facile access to shape-controlled growth of WS ₂ monolayer via environment-friendly method. 2D Materials, 2019, 6, 015007.	4.4	18
103	Giant zero-field cooling exchange-bias like behavior in antiperovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mrow><mml:mn>0.61</mml:mn></mml:mrow></mml:msub><mml:mi	2.4	3
104	Ultrafast pulse lasers based on two-dimensinal nanomaterials. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 188101.	0.5	12
105	Investigation of the spin-lattice coupling in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">G</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^</mml:mo><mml:mi>x</mml:mi></mml:mrow></	3.2	20
106	Preparation and Photocatalytic Properties of a Hierarchical BiOCl/BiOF Composite Photocatalyst. Catalysis Letters, 2018, 148, 1281-1288.	2.6	22
107	Short and symmetric pulse in double Q-switching Nd:GdVO4 1.34ÂĺĽm laser with AO and Co2+:MgAl2O4 saturable absorber. Optical and Quantum Electronics, 2018, 50, 1.	3.3	6
108	Few-layer Tellurium: one-dimensional-like layered elementary semiconductor with striking physical properties. Science Bulletin, 2018, 63, 159-168.	9.0	207

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109	Amorphous phase stability of NbTiAlSiN X high-entropy films. Rare Metals, 2018, 37, 682-689.	7.1	37
110	Charge-governed phase manipulation of few-layer tellurium. Nanoscale, 2018, 10, 22263-22269.	5.6	28
111	MXene Ti ₃ C ₂ T _x saturable absorber for pulsed laser at 1.3 Î¼m. Chinese Physics B, 2018, 27, 094214.	1.4	37
112	Unusual Electrical Transport Driven by the Competition between Antiferromagnetism and Ferromagnetism in Antiperovskite Mn3Zn1âˆ’xCoxN. Materials, 2018, 11, 286.	2.9	5
113	Local Joule Heating Mimicking Electroresistanceâ€Like Behavior in Antiperovskite Mn₃GaC. Advanced Electronic Materials, 2018, 4, 1800028.	5.1	2
114	Negative Thermal Expansion over a Wide Temperature Range in Fe-Doped MnNiGe Composites. Frontiers in Chemistry, 2018, 6, 15.	3.6	20
115	Layer and doping tunable ferromagnetic order in two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cr</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> layers. Physical Review B, 2018, 97, .	3.2	96
116	Tunable thermal expansion in framework materials through redox intercalation. Nature Communications, 2017, 8, 14441.	12.8	95
117	Rectifying Characteristics and Semiconductorâ€“Metal Transition Induced by Interfacial Potential in the Mn3CuN/n-Si Intermetallic Heterojunction. ACS Applied Materials & Interfaces, 2017, 9, 12592-12600.	8.0	2
118	Intercalating copper into layered TaS₂ van der Waals gaps. RSC Advances, 2017, 7, 46699-46703.	3.6	7
119	Inversion Domain Boundary Induced Stacking and Bandstructure Diversity in Bilayer MoSe₂. Nano Letters, 2017, 17, 6653-6660.	9.1	51
120	Tunable negative thermal expansion and structural evolution in antiperovskite Mn₃Ga_{1âˆ’x}Ge_xN (0 â‰¤ x â‰¤ 1.0). Journal of the American Ceramic Society, 2017, 100, 5739-5745.	3.8	19
121	Large spin-orbit splitting in the conduction band of halogen (F, Cl, Br, and I) doped monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">W</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> with spin-orbit coupling. Physical Review B, 2017, 96, .	3.2	38
122	Uniaxial Negative Thermal Expansion, Negative Linear Compressibility, and Negative Poissonâ€™s Ratio Induced by Specific Topology in Zn[Au(CN)₂]₂. Inorganic Chemistry, 2017, 56, 15101-15109.	4.0	25
123	Enhanced current rectification and self-powered photoresponse in multilayer p-MoTe₂/n-MoS₂ van der Waals heterojunctions. Nanoscale, 2017, 9, 10733-10740.	5.6	75
124	Baromagnetic Effect in Antiperovskite Mn₃Ga_{0.95}N_{0.94} by Neutron Powder Diffraction Analysis. Advanced Materials, 2016, 28, 3761-3767.	21.0	59
125	Gate-tunable diode-like current rectification and ambipolar transport in multilayer van der Waals ReSe₂/WS₂ pâ€“n heterojunctions. Physical Chemistry Chemical Physics, 2016, 18, 27750-27753.	2.8	30
126	Self-Driven Photodetector and Ambipolar Transistor in Atomically Thin GaTe-MoS₂ pâ€“n vdW Heterostructure. ACS Applied Materials & Interfaces, 2016, 8, 2533-2539.	8.0	160

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127	Synthesis of atomically thin GaSe wrinkles for strain sensors. Frontiers of Physics, 2016, 11, 1.	5.0	15
128	Enhancing light emission efficiency without color change in post-transition metal chalcogenides. Nanoscale, 2016, 8, 5820-5825.	5.6	13
129	Firstâ€Principles Study of Sc_{1â^'x}Ti_xF₃ (xÂá‰Â0.375): Negative Thermal Expansion, Phase Transition, and Compressibility. Journal of the American Ceramic Society, 2015, 98, 2852-2857.	3.8	16
130	Tuning the Optical, Magnetic, and Electrical Properties of ReSe₂ by Nanoscale Strain Engineering. Nano Letters, 2015, 15, 1660-1666.	9.1	363
131	Invar-like Behavior of Antiperovskite Mn_{3+x}Ni_{1â€“x}N Compounds. Chemistry of Materials, 2015, 27, 2495-2501.	6.7	77
132	Frustrated Triangular Magnetic Structures of Mn₃ZnN: Applications in Thermal Expansion. Journal of Physical Chemistry C, 2015, 119, 24983-24990.	3.1	23
133	Unusual magnetic hysteresis and the weakened transition behavior induced by Sn substitution in Mn3SbN. Journal of Applied Physics, 2014, 115, 043509.	2.5	10
134	Preparation and spectral properties of solar selective absorbing MoSi₂â€“Al₂O₃ coating. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1519-1524.	1.8	14
135	Synthesis and photocatalytic properties of Cu<inf>2</inf>O/BiOCl semiconductor films. , 2013, , .		0
136	Magnetic structure and lattice contraction in Mn3NiN. Journal of Applied Physics, 2013, 114, .	2.5	32
137	Thermodynamic, Electromagnetic, and Lattice Properties of Antiperovskite Mn₃SbN. Advances in Condensed Matter Physics, 2013, 2013, 1-5.	1.1	3
138	Tuning the range, magnitude, and sign of the thermal expansion in intermetallic Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(Zn,<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (xmlns:mml="http://w	3.2	145
139	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow Growth of Intricate <scp>ZnO</scp> Nanorod Networks on <scp>Î±â€Fe₂O₃</scp>â€Coated <scp>Si</scp> Substrate: Growth Mechanism and Optical Properties. Journal of the American Ceramic Society, 2011, 94, 1992-1994.	3.8	1
140	Near zero temperature coefficient of resistivity in antiperovskite Mn3Ni1â^'xCuxN. Applied Physics Letters, 2011, 99, .	3.3	81
141	Lotus-root-like NiO nanosheets and flower-like NiO microspheres: synthesis and magnetic properties. CrystEngComm, 2011, 13, 4930.	2.6	69
142	Negative Thermal Expansion and Correlated Magnetic and Electrical Properties of Siâ€Doped Mn₃GaN Compounds. Journal of the American Ceramic Society, 2010, 93, 650-653.	3.8	55
143	Negative Thermal Expansion and Magnetic Transition in Antiâ€Perovskite Structured Mn₃Zn_{1â^'x}Sn_xN Compounds. Journal of the American Ceramic Society, 2010, 93, 2178-2181.	3.8	51