

# Yunbin He

## List of Publications by Year in descending order

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206  
papers

6,583  
citations

66315

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208  
docs citations

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times ranked

7714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive self-powered UV PDs via depolarization and heterojunction fields jointly enhanced carriers separation. <i>Journal of the American Ceramic Society</i> , 2022, 105, 392-401.	1.9	8
2	Nb-doped VO <sub>2</sub> thin films with enhanced thermal sensing performance for uncooled infrared detection. <i>Materials Research Bulletin</i> , 2022, 146, 111615.	2.7	16
3	Evaporation crystallization of zero-dimensional guanidinium bismuth iodide perovskite single crystal for X-ray detection. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 494-500.	3.0	11
4	Au-PEDOT/rGO nanocomposites functionalized graphene electrochemical transistor for ultra-sensitive detection of acetaminophen in human urine. <i>Analytica Chimica Acta</i> , 2022, 1191, 339306.	2.6	13
5	Solution-gated transistor based on electrochemically reduced graphene oxide channel. <i>Journal of Materials Science</i> , 2022, 57, 4652-4663.	1.7	1
6	Multi-component ZnO alloys: Bandgap engineering, hetero-structures, and optoelectronic devices. <i>Materials Science and Engineering Reports</i> , 2022, 147, 100661.	14.8	58
7	The elastic, electron, phonon, and vibrational properties of monolayer XO <sub>2</sub> (X=Cr, Mo, W) from first principles calculations. <i>Materials Today Communications</i> , 2022, 30, 103183.	0.9	6
8	Flexible fast responding solar-blind photodetectors based on (TmGa) <sub>2</sub> O <sub>3</sub> films grown on mica. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	9
9	High-performance Pt/Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene based graphene electrochemical transistor for selective detection of dopamine. <i>Analytica Chimica Acta</i> , 2022, 1201, 339653.	2.6	28
10	Ca Solubility in a BiFeO <sub>3</sub> -Based System with a Secondary Bi <sub>2</sub> O <sub>3</sub> Phase on a Nanoscale. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7696-7703.	1.5	1
11	Polymer composites with high energy density and charge-discharge efficiency at high temperature using aluminum oxide particles. <i>Journal of Materials Research and Technology</i> , 2022, 18, 4367-4374.	2.6	11
12	Energy density and efficiency of scalable polymer nanocomposites utilizing core-shell PLZST@Al <sub>2</sub> O <sub>3</sub> antiferroelectric fillers with dielectric gradient. <i>Chemical Engineering Journal</i> , 2022, 446, 136925.	6.6	15
13	Ag nanocubes monolayer-modified PDMS as flexible SERS substrates for pesticides sensing. <i>Mikrochimica Acta</i> , 2022, 189, .	2.5	17
14	High-performance self-driven ultraviolet photodetector based on SnO <sub>2</sub> p-n homojunction. <i>Optical Materials</i> , 2022, 129, 112571.	1.7	6
15	Monolayer SnX (X = O, S, Se): Two-Dimensional Materials with Low Lattice Thermal Conductivities and High Thermoelectric Figures of Merit. <i>ACS Applied Energy Materials</i> , 2022, 5, 7802-7812.	2.5	20
16	XTlO (X=K, Rb, Cs): Novel 2D semiconductors with high electron mobilities, ultra-low lattice thermal conductivities and high thermoelectric figures of merit at room temperature. <i>Applied Surface Science</i> , 2022, 599, 153924.	3.1	20
17	BeCaZnO quaternary alloy: thin films and ultraviolet photodetectors. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157567.	2.8	6
18	Excellent energy storage properties over a wide temperature range under low driving electric fields in NBT-BSN lead-free relaxor ferroelectric ceramics. <i>Ceramics International</i> , 2021, 47, 4715-4721.	2.3	26

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19	Novel graphene electrochemical transistor with ZrO <sub>2</sub> /rGO nanocomposites functionalized gate electrode for ultrasensitive recognition of methyl parathion. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 128936.	4.0	34
20	The influence of Cd-alloying on the light-emission properties of 2D butylammonium lead chloride perovskite. <i>Materials Letters</i> , 2021, 282, 128847.	1.3	1
21	Carbon encapsulation of MoS <sub>2</sub> nanosheets to tune their interfacial polarization and dielectric properties for electromagnetic absorption applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 537-546.	2.7	13
22	Diamine tailored smooth and continuous perovskite single crystal with enhanced photoconductivity. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1303-1309.	2.7	14
23	Depolarization electric field and poling voltage modulated Pb <sub>3</sub> La(Zr,Ti)O <sub>9</sub> based self-powered ultraviolet photodetectors. <i>Journal of the American Ceramic Society</i> , 2021, 104, 928-935.	1.9	21
24	Achieving p-type conductivity in wide-bandgap SnO <sub>2</sub> by a two-step process. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	12
25	Modification with platinum of silver-deposited nickel wire electrodes for electrocatalytic oxidation of alcohols. <i>Electrochemistry Communications</i> , 2021, 124, 106939.	2.3	5
26	Formation of a Stable Guanidinium Formamidinium Phase in Bismuth Chloride Perovskites with Broadband Emission. <i>Chemistry of Materials</i> , 2021, 33, 3258-3265.	3.2	14
27	Interface control of tetragonal ferroelectric phase in ultrathin Si-doped HfO <sub>2</sub> epitaxial films. <i>Acta Materialia</i> , 2021, 207, 116696.	3.8	17
28	Enhancing visible-light transmittance while reducing phase transition temperature of VO <sub>2</sub> by Hf/W co-doping. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	21
29	Conjugated Ditertiary Ammonium Templated (100)-Oriented 2D Perovskite with Efficient Broad-Band Emission. <i>Chemistry of Materials</i> , 2021, 33, 4456-4464.	3.2	23
30	Nb-doped Zr <sub>x</sub> Sn <sub>1-x</sub> O <sub>2</sub> : Experimental and first-principles study. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	2
31	Codeposition of Platinum and Gold on Nickel Wire Electrodes via Galvanic Replacement Reactions for Electrocatalytic Oxidation of Alcohols. <i>ACS Omega</i> , 2021, 6, 18395-18403.	1.6	10
32	A novel electrochemical sensor via Zr-based metal organic framework-graphene for pesticide detection. <i>Journal of Materials Science</i> , 2021, 56, 19060-19074.	1.7	30
33	Intermolecular Hydrogen-Bonding Correlated Structure Distortion and Broadband White-Light Emission in 5-Ammonium Valeric Acid Templated Lead Chloride Perovskites. <i>Crystal Growth and Design</i> , 2021, 21, 5731-5739.	1.4	13
34	An effective strategy to realize superior high-temperature energy storage properties in Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> based lead-free ceramics. <i>Ceramics International</i> , 2021, 47, 25794-25799.	2.3	6
35	Correlating point defects with mechanical properties in nanocrystalline TiN thin films. <i>Materials and Design</i> , 2021, 207, 109844.	3.3	18
36	High-Performance Self-Powered Ultraviolet Photodetector based on Coupled Ferroelectric Depolarization Field and Heterojunction Built-in Potential. <i>Advanced Electronic Materials</i> , 2021, 7, 2100717.	2.6	26

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37	Controllable preparation of (200) facets preferential oriented silver nanowires for non-invasive detection of glucose in human sweat. <i>Smart Materials in Medicine</i> , 2021, 2, 150-157.	3.7	6
38	The formation of TiO <sub>2</sub> /VO <sub>2</sub> multilayer structure <i>via</i> directional cationic diffusion. <i>Nanoscale</i> , 2021, 13, 7783-7791.	2.8	10
39	Antisolvent-assisted Crystallization of Centimeter-sized Lead-free Bismuth Bromide Hybrid Perovskite Single Crystals with X-ray Sensitive Merits. <i>Chemistry - an Asian Journal</i> , 2021, 16, 4137-4144.	1.7	10
40	Tunable bandgap and luminescence characters in single-phase two-dimensional perovskite AVA <sub>2</sub> PbClBr <sub>4</sub> alloys. <i>Journal of Materials Research and Technology</i> , 2021, 15, 5353-5359.	2.6	3
41	The S-content-dependent lattice structure evolution and bandgap modulation in quaternary MgZnOS alloy films. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 065104.	1.3	1
42	Effects of the film thickness and poling electric field on photovoltaic performances of (Pb,La)(Zr,Ti)O <sub>3</sub> ferroelectric thin film-based devices. <i>Ceramics International</i> , 2020, 46, 4148-4153.	2.3	28
43	Non-invasive detection of glucose <i>via</i> a solution-gated graphene transistor. <i>Analyst</i> , 2020, 145, 887-896.	1.7	27
44	Combined Fe and O effects on microstructural evolution and strengthening in Cu-Fe nanocrystalline alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 772, 138800.	2.6	16
45	High-temperature energy storage properties in polyimide-based nanocomposites filled with antiferroelectric nanoparticles. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11344-11350.	2.6	16
46	Codeposition of Palladium and Gold on Nickel Wire Electrodes via Galvanic Replacement Reactions for Ethanol Oxidation. <i>ACS Applied Energy Materials</i> , 2020, 3, 7083-7090.	2.5	3
47	Enhanced photovoltaic effect in Ca and Mn co-doped BiFeO <sub>3</sub> epitaxial thin films. <i>Applied Surface Science</i> , 2020, 530, 147194.	3.1	50
48	Highly Sensitive and Tunable Self-Powered UV Photodetectors Driven Jointly by p-n Junction and Ferroelectric Polarization. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 53957-53965.	4.0	65
49	PLD growth and characteristics of lead-free NKLNST ferroelectric nanotubes. <i>Journal of Materials Research and Technology</i> , 2020, 9, 12818-12823.	2.6	1
50	Improving electrical properties and toughening of PZT-based piezoelectric ceramics for high-power applications via doping rare-earth oxides. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14254-14266.	2.6	18
51	High-temperature energy storage performances in (1-x)(Na <sub>0.50</sub> Bi <sub>0.50</sub> TiO <sub>3</sub> )-xBaZrO <sub>3</sub> lead-free relaxor ceramics. <i>Ceramics International</i> , 2020, 46, 28652-28658.	2.3	21
52	Highly sensitive methyl parathion sensor based on Au-ZrO <sub>2</sub> nanocomposites modified graphene electrochemical transistor. <i>Electrochimica Acta</i> , 2020, 357, 136836.	2.6	25
53	Self-driven ultraviolet photodetectors based on ferroelectric depolarization field and interfacial potential. <i>Sensors and Actuators A: Physical</i> , 2020, 315, 112267.	2.0	27
54	5-Ammoniumvaleric acid stabilized mixed-dimensional perovskite submicron platelets with white light emission. <i>Nanoscale Advances</i> , 2020, 2, 4822-4829.	2.2	6

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55	Two-dimensional SnO ultrathin epitaxial films: Pulsed laser deposition growth and quantum confinement effects. <i>Physica B: Condensed Matter</i> , 2020, 599, 412467.	1.3	4
56	RuVO <sub>2</sub> alloy epitaxial films: Lowered insulator-metal transition temperature and retained modulation capacity. <i>Applied Physics Letters</i> , 2020, 116, 192103.	1.5	8
57	High performance solar-blind UV detector based on Hf <sub>0.38</sub> Sn <sub>0.62</sub> O <sub>2</sub> epitaxial film. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	7
58	Study on Ca Segregation toward an Epitaxial Interface between Bismuth Ferrite and Strontium Titanate. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12264-12274.	4.0	5
59	Ultrahigh Energy Efficiency and Large Discharge Energy Density in Flexible Dielectric Nanocomposites with Pb <sub>0.97</sub> La <sub>0.02</sub> (Zr <sub>0.5</sub> Sn <sub>x</sub> Ti <sub>0.5</sub> )O <sub>3</sub> Antiferroelectric Nanofillers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12847-12856.	4.0	33
60	The band alignment of nonpolar m-plane ZnO <sub>1-x</sub> Sx/Mg <sub>0.4</sub> Zn <sub>0.6</sub> O heterojunctions. <i>AIP Advances</i> , 2020, 10, 015314.	0.6	3
61	High-performance amorphous BeZnO-alloy-based solar-blind ultraviolet photodetectors on rigid and flexible substrates. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154819.	2.8	12
62	Superior ferroelectric photovoltaic properties in Fe -modified (Pb,L a) (Zr,Ti)O <sub>3</sub> thin film by improving the remnant polarization and reducing the band gap. <i>Ceramics International</i> , 2020, 46, 15061-15065.	2.3	14
63	Effects of oxygen pressure on PLD-grown Be and Cd co-substituted ZnO alloy films for ultraviolet photodetectors. <i>Journal of Alloys and Compounds</i> , 2020, 833, 155032.	2.8	19
64	Citrate-driven modification of gold on titanium wire electrodes by the treatment in aqueous solutions of HAuCl <sub>4</sub> . <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 113991.	1.9	2
65	Ultra-wide-bandgap (ScGa) <sub>2</sub> O <sub>3</sub> alloy thin films and related sensitive and fast responding solar-blind photodetectors. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155036.	2.8	17
66	Electronic structure and dynamic properties of two-dimensional W Mo <sub>1-x</sub> S <sub>2</sub> ternary alloys from first-principles calculations. <i>Computational Materials Science</i> , 2020, 182, 109797.	1.4	11
67	Palladium Deposition on Nickel Microparticles by a Galvanic Replacement Reaction for Electrocatalytic Oxidation of Ethanol. <i>ACS Applied Energy Materials</i> , 2019, 2, 6023-6030.	2.5	8
68	Highly sensitive nitrite sensor based on AuNPs/RGO nanocomposites modified graphene electrochemical transistors. <i>Biosensors and Bioelectronics</i> , 2019, 146, 111751.	5.3	69
69	A gold electrode modified with a gold-graphene oxide nanocomposite for non-enzymatic sensing of glucose at near-neutral pH values. <i>Mikrochimica Acta</i> , 2019, 186, 722.	2.5	14
70	High energy density and efficiency in (Pb,L a)(Zr,Sn,Ti)O <sub>3</sub> antiferroelectric ceramics with high La <sup>3+</sup> content and optimized Sn <sup>4+</sup> content. <i>Ceramics International</i> , 2019, 45, 24419-24424.	2.3	26
71	Photovoltaic effect in <i>m</i> -plane orientated ZnOS epitaxial thin films. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	8
72	Recent advances in lead-free dielectric materials for energy storage. <i>Materials Research Bulletin</i> , 2019, 113, 190-201.	2.7	189

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73	Superior energy storage performance in Pb <sub>0.97</sub> La <sub>0.02</sub> (Zr <sub>0.50</sub> Sn <sub>0.43</sub> Ti <sub>0.07</sub> )O <sub>3</sub> antiferroelectric ceramics. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3291-3296.	2.6	19
74	Two-dimensional Ruddlesden-Popper perovskite nanosheets: Synthesis, optoelectronic properties and miniaturized optoelectronic devices. <i>FlatChem</i> , 2019, 17, 100116.	2.8	13
75	Influence of growth temperature on the characteristics of $\lambda^2$ -Ga <sub>2</sub> O <sub>3</sub> epitaxial films and related solar-blind photodetectors. <i>Applied Surface Science</i> , 2019, 489, 101-109.	3.1	73
76	Mixed valence CoCuMnOx spinel nanoparticles by sacrificial template method with enhanced ORR performance. <i>Applied Surface Science</i> , 2019, 487, 1145-1151.	3.1	75
77	Electrochemical co-deposition synthesis of Au-ZrO <sub>2</sub> -graphene nanocomposite for a nonenzymatic methyl parathion sensor. <i>Analytica Chimica Acta</i> , 2019, 1072, 25-34.	2.6	70
78	Flexible dielectric nanocomposites with simultaneously large discharge energy density and high energy efficiency utilizing (Pb,La)(Zr,Sn,Ti)O <sub>3</sub> antiferroelectric nanoparticles as fillers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13473-13482.	5.2	65
79	Superior energy-storage properties in (Pb,La)(Zr,Sn,Ti)O <sub>3</sub> antiferroelectric ceramics with appropriate La content. <i>Ceramics International</i> , 2019, 45, 11375-11381.	2.3	49
80	High energy density of Pb <sub>0.97</sub> La <sub>0.02</sub> (Zr <sub>0.50</sub> Sn <sub>0.45</sub> Ti <sub>0.05</sub> )O <sub>3</sub> antiferroelectric ceramics prepared by sol-gel method with low-cost dibutyltin oxide. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1776-1783.	1.9	19
81	Pulsed laser deposition and characteristics of epitaxial non-polar m-plane ZnO <sub>1-x</sub> S <sub>x</sub> alloy films. <i>Journal of Alloys and Compounds</i> , 2019, 773, 443-448.	2.8	10
82	Structures, compositions, and optical properties of ZnCr <sub>2</sub> O <sub>4</sub> films grown epitaxially on c-sapphire by pulsed laser deposition. <i>Applied Surface Science</i> , 2019, 475, 820-827.	3.1	4
83	From stannous oxide to stannic oxide epitaxial films grown by pulsed laser deposition with a metal tin target. <i>Applied Surface Science</i> , 2019, 466, 765-771.	3.1	8
84	Bismuth ferrite materials for solar cells: Current status and prospects. <i>Materials Research Bulletin</i> , 2019, 110, 39-49.	2.7	86
85	Graphene-templated synthesis of palladium nanoplates as novel electrocatalyst for direct methanol fuel cell. <i>Applied Surface Science</i> , 2019, 466, 385-392.	3.1	106
86	Ultraviolet polarized light emitting and detecting dual-functioning device based on nonpolar n-ZnO/i-ZnO/p-AlGaN heterojunction. <i>Optics Letters</i> , 2019, 44, 1944.	1.7	1
87	Theoretical investigation of the structural, electronic, and thermodynamic properties of CdS <sub>1-x</sub> Se <sub>x</sub> alloys. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	10
88	In situ atomic-scale observation of oxidation and decomposition processes in nanocrystalline alloys. <i>Nature Communications</i> , 2018, 9, 946.	5.8	14
89	Insight into the structural evolution during TiN film growth via atomic resolution TEM. <i>Journal of Alloys and Compounds</i> , 2018, 754, 257-267.	2.8	36
90	Anatase TiO <sub>2</sub> single crystals with dominant {001} facets: Synthesis, shape-control mechanism and photocatalytic activity. <i>Applied Surface Science</i> , 2018, 444, 267-275.	3.1	42

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91	Electronic-structure and thermodynamic properties of ZnS <sub>1-x</sub> Se ternary alloys from the first-principles calculations. Computational Materials Science, 2018, 149, 386-396.	1.4	12
92	Pulsed laser deposited Be <sub>x</sub> Zn <sub>1-x</sub> O <sub>1-y</sub> S <sub>y</sub> quaternary alloy films: structure, composition, and band gap bowing. Applied Surface Science, 2018, 433, 674-679.	3.1	10
93	Novel synthesis of core-shell Au-Pt dendritic nanoparticles supported on carbon black for enhanced methanol electro-oxidation. Applied Surface Science, 2018, 433, 840-846.	3.1	39
94	Creation of Centimeter-Sized 2D Crystalline Film by Crystallization of Homopolymer in Solution. Chemistry - A European Journal, 2018, 24, 16440-16444.	1.7	2
95	Accounting for the thermo-stability of PdH <sub>x</sub> (x=1-3) by density functional theory. International Journal of Hydrogen Energy, 2018, 43, 18372-18381.	3.8	12
96	Greatly enhanced photocurrent in inorganic perovskite [KNbO <sub>3</sub> ] <sub>0.9</sub> [BaNi <sub>0.5</sub> Nb <sub>0.5</sub> O <sub>3</sub> ] <sub>0.1</sub> ferroelectric thin-film solar cell. Journal of the American Ceramic Society, 2018, 101, 4892-4898.	3.9	29
97	Energy storage characteristics of (Pb,La)(Zr,Sn,Ti)O <sub>3</sub> antiferroelectric ceramics with high Sn content. Applied Physics Letters, 2018, 113, .	1.5	77
98	High electrocatalytic performance of a graphene-supported PtAu nanoalloy for methanol oxidation. International Journal of Hydrogen Energy, 2018, 43, 12803-12810.	3.8	37
99	Nickel Adatoms Induced Tautomeric Dehydrogenation of Thymine Molecules on Au(111). ACS Nano, 2018, 12, 9033-9039.	7.3	14
100	Exploration on the origin of enhanced piezoelectric properties in transition-metal ion doped KNN based lead-free ceramics. Ceramics International, 2018, 44, 16745-16750.	2.3	18
101	Synthesis of a 2D phosphorus material in a MOF-based 2D nano-reactor. Chemical Science, 2018, 9, 5912-5918.	3.7	14
102	Highly Flexible and Bright Electroluminescent Devices Based on Ag Nanowire Electrodes and Top-Emission Structure. Advanced Electronic Materials, 2017, 3, 1600535.	2.6	54
103	Pt nanoparticles modified Au dendritic nanostructures: Facile synthesis and enhanced electrocatalytic performance for methanol oxidation. International Journal of Hydrogen Energy, 2017, 42, 22100-22107.	3.8	22
104	Electroluminescence from nonpolar n-ZnO/p-AlGa <sub>N</sub> heterojunction light-emitting diode on-sapphire. Journal Physics D: Applied Physics, 2017, 50, 115101.	1.3	5
105	Theoretical investigation on thermodynamic properties of ZnO <sub>1-x</sub> Tex alloys. Materials Research Express, 2017, 4, 055901.	0.8	5
106	First-principles calculations of the phase equilibrium of Be <sub>x</sub> Zn <sub>1-x</sub> O alloys. Journal of Applied Physics, 2017, 121, 205101.	1.1	8
107	First-principles calculations of the thermodynamics of wurtzite and zincblende ZnO <sub>1-x</sub> S <sub>x</sub> alloys. Physica B: Condensed Matter, 2017, 520, 1-6.	1.3	7
108	Effects of composition and temperature on energy storage properties of (Pb,La)(Zr,Sn,Ti)O <sub>3</sub> antiferroelectric ceramics. Ceramics International, 2017, 43, 11428-11432.	2.3	86

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109	Magnetic order and phase diagram of magnetic alloy system: Mg <sub>x</sub> Ni <sub>1-x</sub> O alloy. Physica Status Solidi (B): Basic Research, 2017, 254, 1700085.	0.7	4
110	2D Materials: A Free-Standing and Self-Healable 2D Supramolecular Material Based on Hydrogen Bonding: A Nanowire Array with Sub-20nm Resolution (Small 21/2017). Small, 2017, 13, .	5.2	1
111	A Free-Standing and Self-Healable 2D Supramolecular Material Based on Hydrogen Bonding: A Nanowire Array with Sub-20nm Resolution. Small, 2017, 13, 1604077.	5.2	24
112	Coaxial-Structured Weavable and Wearable Electroluminescent Fibers. Advanced Electronic Materials, 2017, 3, 1700401.	2.6	63
113	Generalized Self-Doping Engineering towards Ultrathin and Large-Sized Two-Dimensional Homologous Perovskites. Angewandte Chemie - International Edition, 2017, 56, 14893-14897.	7.2	81
114	Generalized Self-Doping Engineering towards Ultrathin and Large-Sized Two-Dimensional Homologous Perovskites. Angewandte Chemie, 2017, 129, 15089-15093.	1.6	65
115	Lead-free perovskite ferroelectric thin films with narrow direct band gap suitable for solar cell applications. Materials Research Bulletin, 2017, 95, 56-60.	2.7	23
116	SnO <sub>2</sub> epitaxial films with varying thickness on c-sapphire: Structure evolution and optical band gap modulation. Applied Surface Science, 2017, 423, 611-618.	3.1	42
117	Good conductivity of a single component polydiacetylene film. Organic Electronics, 2017, 49, 174-178.	1.4	10
118	Enhanced photocatalytic property of BiFeO <sub>3</sub> /N-doped graphene composites and mechanism insight. Applied Surface Science, 2017, 396, 879-887.	3.1	50
119	Suppressed tan $\delta$ and enhanced Q <sub>m</sub> in KCT and Ni <sub>2</sub> O <sub>3</sub> co-modified [(K <sub>0.43</sub> Na <sub>0.57</sub> ) <sub>0.94</sub> Li <sub>0.06</sub> ](Nb <sub>0.94</sub> Sb <sub>0.06</sub> ) <sub>0.95</sub> Ta <sub>0.05</sub> O <sub>3</sub> lead-free piezoelectric ceramics. Ceramics International, 2017, 43, 2537-2540.	2.3	15
120	Strain dependent anisotropy in photoluminescence of heteroepitaxial nonpolar a-plane ZnO layers. Optical Materials Express, 2017, 7, 3944.	1.6	8
121	Raman studies of the intermediate tin-oxide phase. Physical Review Materials, 2017, 1, .	0.9	54
122	Platinum nanoparticles decorated dendrite-like gold nanostructure on glassy carbon electrodes for enhancing electrocatalysis performance to glucose oxidation. Applied Surface Science, 2016, 384, 58-64.	3.1	49
123	High recoverable energy density over a wide temperature range in Sr modified (Pb,L a)(Zr,S n,T i)O <sub>3</sub> antiferroelectric ceramics with an orthorhombic phase. Applied Physics Letters, 2016, 109, .	1.5	149
124	Oxygen-Driven Porous Film Formation of Single-Crystalline Ru Deposited on Au(111). Langmuir, 2016, 32, 5291-5299.	1.6	3
125	(Pb,Sm)(Zr,S n,T i)O <sub>3</sub> Multifunctional Ceramics with Large Electric-Field-Induced Strain and High-Energy Storage Density. Journal of the American Ceramic Society, 2016, 99, 3853-3856.	1.9	30
126	High-Performance Small-Amount Fe <sub>2</sub> O <sub>3</sub> -Doped (K,Na)NbO <sub>3</sub> -Based Lead-Free Piezoceramics with Irregular Phase Evolution. Journal of the American Ceramic Society, 2016, 99, 2341-2346.	1.9	38



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127	Hierarchical film formation and structural characterization using MeV-ion beams. <i>Surface and Coatings Technology</i> , 2016, 306, 97-100.	2.2	1
128	Bottom-Up Synthesis of Metalated Carbyne. <i>Journal of the American Chemical Society</i> , 2016, 138, 1106-1109.	6.6	104
129	Facile synthesis of CuInS <sub>2</sub> nanoparticles using different alcohol amines as solvent. <i>Chemical Physics Letters</i> , 2016, 647, 51-54.	1.2	11
130	Effects of crystallite structure and interface band alignment on the photocatalytic property of bismuth ferrite/ (N-doped) graphene composites. <i>Journal of Alloys and Compounds</i> , 2016, 672, 497-504.	2.8	31
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