

ZhouPeng

List of Publications by Year in descending order

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citations

361413

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3240
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Atom Array Mimic on Ultrathin MOF Nanosheets Boosts the Safety and Life of Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2020, 32, e1906722.	21.0	205
2	Ultrathin Visible-Light-Driven Mo Incorporating In ₂ O ₃ -ZnIn ₂ Se ₄ Z-Scheme Nanosheet Photocatalysts. <i>Advanced Materials</i> , 2019, 31, e1807226.	21.0	165
3	MXene/Si@SiO ₂ @C Layer-by-Layer Superstructure with Autoadjustable Function for Superior Stable Lithium Storage. <i>ACS Nano</i> , 2019, 13, 2167-2175.	14.6	154
4	Thermolysis of Noble Metal Nanoparticles into Electron-Rich Phosphorus-Coordinated Noble Metal Single Atoms at Low Temperature. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14184-14188.	13.8	136
5	Synergetic interaction between neighboring platinum and ruthenium monomers boosts CO oxidation. <i>Chemical Science</i> , 2019, 10, 5898-5905.	7.4	127
6	Efficient Bifacial Passivation with Crosslinked Thioctic Acid for High-Performance Methylammonium Lead Iodide Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, e1905661.	21.0	127
7	A Freestanding Flexible Single-Atom Cobalt-Based Multifunctional Interlayer toward Reversible and Durable Lithium-Sulfur Batteries. <i>Small Methods</i> , 2020, 4, 1900701.	8.6	123
8	Wrinkled Rh ₂ P Nanosheets as Superior pH-Universal Electrocatalysts for Hydrogen Evolution Catalysis. <i>Advanced Energy Materials</i> , 2018, 8, 1801891.	19.5	116
9	Efficient Bifunctional Polyalcohol Oxidation and Oxygen Reduction Electrocatalysts Enabled by Ultrathin PtPdM (M = Ni, Fe, Co) Nanosheets. <i>Advanced Energy Materials</i> , 2019, 9, 1800684.	19.5	112
10	Atomically Dispersed Co ³⁺ on CdS Nanorods with Electron-Rich Feature Boosts Photocatalysis. <i>Advanced Materials</i> , 2020, 32, e1904249.	21.0	105
11	Tunable Covalent Organic Frameworks with Different Heterocyclic Nitrogen Locations for Efficient Cr(VI) Reduction, <i>Escherichia coli</i> Disinfection, and Paracetamol Degradation under Visible-Light Irradiation. <i>Environmental Science & Technology</i> , 2021, 55, 5371-5381.	10.0	79
12	Rational Design of Hierarchical TiO ₂ /Epitaxially Aligned MoS ₂ -Carbon Coupled Interface Nanosheets Core/Shell Architecture for Ultrastable Sodium-Ion and Lithium-Sulfur Batteries. <i>Small Methods</i> , 2018, 2, 1800119.	8.6	49
13	Face-to-face engineering of ultrathin Pd nanosheets on amorphous carbon nitride for efficient photocatalytic hydrogen production. <i>Science China Materials</i> , 2019, 62, 351-358.	6.3	48
14	Metal Single Atom Strategy Greatly Boosts Photocatalytic Methyl Activation and C-C Coupling for the Coproduction of High-Value-Added Multicarbon Compounds and Hydrogen. <i>ACS Catalysis</i> , 2020, 10, 9109-9114.	11.2	47
15	Visible light-driven methanol dehydrogenation and conversion into 1,1-dimethoxymethane over a non-noble metal photocatalyst under acidic conditions. <i>Catalysis Science and Technology</i> , 2018, 8, 3372-3378.	4.1	35
16	Sustainability Perspective-Oriented Synthetic Strategy for Zinc Single-Atom Catalysts Boosting Electrocatalytic Reduction of Carbon Dioxide and Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13813-13822.	6.7	35
17	Tutorial: Product properties in multiferroic nanocomposites. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	32
18	Thermolysis of Noble Metal Nanoparticles into Electron-Rich Phosphorus-Coordinated Noble Metal Single Atoms at Low Temperature. <i>Angewandte Chemie</i> , 2019, 131, 14322-14326.	2.0	28

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19	Modification of TiO ₂ Nanoparticles with Organodiboron Molecules Inducing Stable Surface Ti ³⁺ Complex. <i>IScience</i> , 2019, 20, 195-204.	4.1	24
20	Ultrathin RuRh@ $(\text{RuRh})\text{O}_2$ core@shell nanosheets as stable oxygen evolution electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15746-15751.	10.3	24
21	Strain effect on magnetoelectric coupling of epitaxial NFO/PZT heterostructure. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152871.	5.5	20
22	Magnetoelectric Interactions in Composites of Ferrite Films on Lattice-Matched Substrates and Ferroelectrics. <i>Physical Review Applied</i> , 2019, 11, .	3.8	17
23	Room temperature magnetoelectric coupling in Fe-doped sodium bismuth titanate ceramics. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154679.	5.5	15
24	Template synthesis of 3-DOM IrO ₂ powder catalysts: temperature-dependent pore structure and electrocatalytic performance. <i>Journal of Materials Science</i> , 2015, 50, 2984-2992.	3.7	14
25	BiOCl/ultrathin polyaniline core/shell nanosheets with a sensitization mechanism for efficient visible-light-driven photocatalysis. <i>Science China Materials</i> , 2019, 62, 95-102.	6.3	14
26	Lead-Free Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ Nanoplates Filler-Elastomeric Polymer Composite Films for Flexible Piezoelectric Energy Harvesting. <i>Micromachines</i> , 2020, 11, 966.	2.9	12
27	Composition Profiles around Solute-Lean, Spherical Nanocrystalline Precipitates in an Amorphous Matrix: Implications for Corrosion Resistance. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 757-767.	2.2	10
28	Fowler-Nordheim tunneling-assisted enhancement of tunneling electroresistance effect through a composite barrier. <i>Applied Physics Letters</i> , 2020, 116, 202901.	3.3	10
29	Magnetoelectric coupling in CoFe_2O_4 @ $\text{Pb}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ coaxial nanofibers. <i>Journal of the American Ceramic Society</i> , 2021, 104, 948-954.	3.8	10
30	Magnetic anisotropy of epitaxial La _{2/3} Sr _{1/3} MnO ₃ thin films on SrTiO ₃ with different orientations. <i>AIP Advances</i> , 2016, 6, .	1.3	9
31	Strain induced magnetic anisotropy of high epitaxial Ni thin films grown on different oriented PMN-PT substrates. <i>Ceramics International</i> , 2018, 44, 5564-5568.	4.8	9
32	One-Pot Seedless Aqueous Design of Metal Nanostructures for Energy Electrocatalytic Applications. <i>Electrochemical Energy Reviews</i> , 2018, 1, 531-547.	25.5	9
33	Converse magnetoelectric effects in composites of liquid phase epitaxy grown nickel zinc ferrite films and lead zirconate titanate: Studies on the influence of ferrite film parameters. <i>Physical Review Materials</i> , 2019, 3, .	2.4	9
34	Self-assembly of multiferroic core-shell composites using DNA functionalized nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 424-431.	2.3	8
35	Magneto-electric interactions in composites of self-biased Y- and W-type hexagonal ferrites and lead zirconate titanate: Experiment and theory. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	8
36	Studies of Multiferroic Palladium Perovskites. <i>Scientific Reports</i> , 2019, 9, 1685.	3.3	8

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37	Controllable synthesis of CoFe ₂ O ₄ electrospun nanofibers. CrystEngComm, 2020, 22, 1839-1847.	2.6	8
38	Room-temperature large magnetoelectricity in a transition metal doped ferroelectric perovskite. Physical Review B, 2021, 104, .	3.2	8
39	Effect of interface coupling on magnetoelectric response of Pb(Zr _{0.52} Ti _{0.48})O ₃ /La _{0.67} Sr _{0.33} MnO ₃ thin film under different strain states. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	7
40	Thickness-dependence of magnetic anisotropy and domain structure in Ni thin films grown on a PMN-PT substrate. Smart Materials and Structures, 2020, 29, 095019.	3.5	7
41	Room temperature magnetoelectric coupling and relaxor-like multiferroic nature in a biphasic of cubic pyrochlore and spinel. Journal of Applied Physics, 2019, 126, 044103.	2.5	6
42	Write voltage-dependent transport mechanisms in Pt/BaTiO ₃ /Nb:SrTiO ₃ ferroelectric tunnel memristors. Applied Physics Letters, 2020, 116, 032903.	3.3	6
43	Controllable electric field tuning of anisotropic magnetic response of Ni/PMN-PT heterostructures. Applied Surface Science, 2021, 538, 147954.	6.1	6
44	Evidence for strain control of magnetic anisotropy in epitaxial nickel ferrite thin films grown on strontium titanate substrates. Materials Research Bulletin, 2021, 138, 111214.	5.2	6
45	Giant magnetoelectric coefficient of Pb(Zr _{0.52} Ti _{0.48})O ₃ /La _{0.67} Sr _{0.33} MnO ₃ thin film grown on 0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ ∗0.3PbTiO ₃ single crystal assisted by metglas. Applied Physics Express, 2017, 10, 023201.	2.4	5
46	Zn ⁺ ∗O ⁻ Dual-Spin Surface State Formation by Modification of ZnO Nanoparticles with Diboron Compounds. Langmuir, 2019, 35, 14173-14179.	3.5	5
47	Strain and phase transformation co-mediated magnetoelectric effect in epitaxial Ni/PMN-PT (O ₁ ∗1 ₁) heterostructures. Journal of Magnetism and Magnetic Materials, 2020, 514, 167138.	2.3	5
48	High-Performance Piezoelectric Nanogenerator Based on Low-Entropy Structured Nanofibers for a Multi-Mode Energy Harvesting and Self-Powered Ultraviolet Photodetector. ACS Applied Electronic Materials, 0, , .	4.3	5
49	A Room-Temperature Ferroelectric Resonant Tunneling Diode. Advanced Materials, 2022, 34, .	21.0	5
50	An electric field controlled dual resonator magneto-electric band-stop filter. Microwave and Optical Technology Letters, 2019, 61, 873-877.	1.4	4
51	Low-Frequency Magnetoelectric Effects in Magnetostrictive∗Piezoelectric Bilayers: Longitudinal and Bending Deformations. Journal of Composites Science, 2021, 5, 287.	3.0	4
52	Study of Electronic States in LaNiO ₃ /SrRuO ₃ Bilayers: Interface-Induced Magnetism and Charge Transfer. Physica Status Solidi (B): Basic Research, 2021, 258, 2000527.	1.5	3
53	Strain-Mediated Magneto-Electric Effects in Coaxial Nanofibers of Y/W-Type Hexagonal Ferrites and Ferroelectrics. Journal of Composites Science, 2021, 5, 268.	3.0	3
54	Resonance magnetoelectric characteristics of Terfenol-D/Pb(Zr _{0.52} Ti _{0.48})O ₃ /Ni asymmetric three layered composites. IOP Conference Series: Materials Science and Engineering, 2019, 656, 012056.	0.6	2

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55	Tunneling through a dielectric/ferromagnetic/ferroelectric three-step-like composite barrier. Journal of Applied Physics, 2020, 127, 104101.	2.5	2
56	Mechanism of non-Ohmic conduction in a single Y3Fe5O12 nanofiber. Applied Physics Letters, 2021, 118, 153101.	3.3	0
57	Strain induced anisotropy in liquid phase epitaxy grown nickel ferrite on magnesium gallate substrates. Scientific Reports, 2022, 12, 7052.	3.3	0