

Junmin Xue

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#	Paper	IF	Citations
159	Defect Engineering of Oxygen-Deficient Manganese Oxide to Achieve High-Performing Aqueous Zinc Ion Battery. <i>Advanced Energy Materials</i> , 2019 , 9, 1803815	21.8	285
158	Ultrasmall Fe ₃ O ₄ Nanoparticle/MoS ₂ Nanosheet composites with superior performances for lithium ion batteries. <i>Small</i> , 2014 , 10, 1536-43	11	232
157	Synthesis of porous hollow Fe ₃ O ₄ beads and their applications in lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5006		215
156	Synthesis of ZnO Nanoparticles with Tunable Emission Colors and Their Cell Labeling Applications. <i>Chemistry of Materials</i> , 2010 , 22, 3383-3388	9.6	183
155	Optimization of surface coating on Fe ₃ O ₄ nanoparticles for high performance magnetic hyperthermia agents. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8235		175
154	Harmonizing Energy and Power Density toward 2.7 V Asymmetric Aqueous Supercapacitor. <i>Advanced Energy Materials</i> , 2018 , 8, 1702630	21.8	158
153	Monodisperse silica nanoparticles encapsulating upconversion fluorescent and superparamagnetic nanocrystals. <i>Chemical Communications</i> , 2008 , 694-6	5.8	152
152	Fe ₃ O ₄ Nanoparticles Embedded in Uniform Mesoporous Carbon Spheres for Superior High-Rate Battery Applications. <i>Advanced Functional Materials</i> , 2014 , 24, 319-326	15.6	150
151	Integrated Synthesis of Nitrogen-Doped Mesoporous Carbon from Melamine Resins with Superior Performance in Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2507-2517	3.8	147
150	Synthesis of Zn-Doped AgInS ₂ Nanocrystals and Their Fluorescence Properties. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9769-9773	3.8	137
149	Mechanochemical Synthesis of Lead Zirconate Titanate from Mixed Oxides. <i>Journal of the American Ceramic Society</i> , 1999 , 82, 1687-1692	3.8	136
148	PLGA/mesoporous silica hybrid structure for controlled drug release. <i>Journal of Controlled Release</i> , 2004 , 98, 209-17	11.7	135
147	Flexible Solid-State Supercapacitor Based on Graphene-based Hybrid Films. <i>Advanced Functional Materials</i> , 2014 , 24, 7495-7502	15.6	133
146	Transparent nanohybrids of nanocrystalline TiO ₂ in PMMA with unique nonlinear optical behavior. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1475		131
145	Controlling the crystallinity and nonlinear optical properties of transparent TiO ₂ /PMMA nanohybrids. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2978-2987		125
144	Synthesis of Magnetite Nanooctahedra and Their Magnetic Field-Induced Two-/Three-Dimensional Superstructure. <i>Chemistry of Materials</i> , 2010 , 22, 3183-3191	9.6	119
143	Activating Basal Planes and S-Terminated Edges of MoS ₂ toward More Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2017 , 27, 1604943	15.6	104

142	All-inorganic perovskite CsPb(Br/I)3 nanorods for optoelectronic application. <i>Nanoscale</i> , 2016 , 8, 15158-61	6.1	104
141	Enhanced oxygen evolution reaction by Co-O-C bonds in rationally designed Co3O4/graphene nanocomposites. <i>Nano Energy</i> , 2017 , 33, 445-452	17.1	102
140	Evaluation of piezoelectric property of reduced graphene oxide (rGO)/poly(vinylidene fluoride) nanocomposites. <i>Nanoscale</i> , 2012 , 4, 7250-5	7.7	101
139	Ultrafast optical nonlinearity in poly(methylmethacrylate)-TiO2 nanocomposites. <i>Applied Physics Letters</i> , 2003 , 82, 2691-2693	3.4	101
138	One-step synthesis of hollow porous Fe3O4 beads/reduced graphene oxide composites with superior battery performance. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17656		99
137	Defect Engineering in Manganese-Based Oxides for Aqueous Rechargeable Zinc-Ion Batteries: A Review. <i>Advanced Energy Materials</i> , 2020 , 10, 2001769	21.8	99
136	Synthesis and characterization of AgInS2/ZnS heterodimers with tunable photoluminescence. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11239		92
135	Nanostructured magnetic nanocomposites as MRI contrast agents. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2241-2276	7.3	90
134	Graphene oxide based fluorescent nanocomposites for cellular imaging. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 512-521	7.3	88
133	A study of the superior electrochemical performance of 3 nm SnO2 nanoparticles supported by graphene. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5688-5695	13	85
132	Synthesis of SnO2/MoS2 composites with different component ratios and their applications as lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17857-17866	13	80
131	Recent Advances on Boosting the Cell Voltage of Aqueous Supercapacitors. <i>Nano-Micro Letters</i> , 2020 , 12, 98	19.5	80
130	Sulphur-functionalized graphene towards high performance supercapacitor. <i>Nano Energy</i> , 2015 , 12, 250-257	17.1	79
129	Macroporous Silica Hollow Microspheres as Nanoparticle Collectors. <i>Chemistry of Materials</i> , 2009 , 21, 3629-3637	9.6	77
128	Controlled loading of superparamagnetic nanoparticles in fluorescent nanogels as effective T2-weighted MRI contrast agents. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2310-2319		73
127	Ultra-small Fe3O4 nanoparticle decorated graphene nanosheets with superior cyclic performance and rate capability. <i>Nanoscale</i> , 2013 , 5, 6797-803	7.7	70
126	Size effect on the ferroelectric phase transition in SrBi2Ta2O9 nanoparticles. <i>Journal of Applied Physics</i> , 2003 , 94, 618-620	2.5	69
125	Ordered mesoporous carbon nanoparticles with well-controlled morphologies from sphere to rod via a soft-template route. <i>Journal of Colloid and Interface Science</i> , 2012 , 377, 169-75	9.3	67

124	Synthesis of monodispersed SnO ₂ @C composite hollow spheres for lithium ion battery anode applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17448		63
123	Mn ₃ O ₄ /reduced graphene oxide based supercapacitor with ultra-long cycling performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12762-12768	13	57
122	Nanoscaled self-alignment of Fe ₃ O ₄ nanodiscs in ultrathin rGO films with engineered conductivity for electromagnetic interference shielding. <i>Nanoscale</i> , 2016 , 8, 15989-98	7.7	54
121	Nanosized Barium Titanate Powder by Mechanical Activation. <i>Journal of the American Ceramic Society</i> , 2000 , 83, 232-34	3.8	53
120	Mesoporous carbon decorated graphene as an efficient electrode material for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7469	13	51
119	Indole-based conjugated macromolecules as a redox-mediated electrolyte for an ultrahigh power supercapacitor. <i>Energy and Environmental Science</i> , 2017 , 10, 2441-2449	35.4	49
118	Few-layer MoS ₂ -anchored graphene aerogel paper for free-standing electrode materials. <i>Nanoscale</i> , 2016 , 8, 8042-7	7.7	49
117	Transparent magnetic composites of ZnFe ₂ O ₄ nanoparticles in silica. <i>Journal of Applied Physics</i> , 2001 , 90, 4169-4174	2.5	48
116	Three-dimensional printed cellular stainless steel as a high-activity catalytic electrode for oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18176-18182	13	45
115	Role of carbon coating in improving electrochemical performance of Li-rich Li(Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13})O ₂ cathode. <i>RSC Advances</i> , 2014 , 4, 44244-44252	3.7	43
114	Strain stabilized nickel hydroxide nanoribbons for efficient water splitting. <i>Energy and Environmental Science</i> , 2020 , 13, 229-237	35.4	43
113	Two-photon graphene quantum dot modified GdO nanocomposites as a dual-mode MRI contrast agent and cell labelling agent. <i>Nanoscale</i> , 2018 , 10, 5642-5649	7.7	42
112	Designed Construction of a Graphene and Iron Oxide Freestanding Electrode with Enhanced Flexible Energy-Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6972-81	9.5	42
111	Binder-free VO/CNT paper electrode for high rate performance zinc ion battery. <i>Nanoscale</i> , 2019 , 11, 19723-19728	7.7	40
110	CuInZnS-decorated graphene nanosheets for highly efficient visible-light-driven photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6359	13	39
109	Surface ferromagnetism in hydrogenated-ZnO film. <i>Applied Physics Letters</i> , 2011 , 98, 152505	3.4	39
108	A new family of biocompatible and stable magnetic nanoparticles: silica cross-linked pluronic F127 micelles loaded with iron oxides. <i>New Journal of Chemistry</i> , 2009 , 33, 88-92	3.6	39
107	Hexagonal MoO ₃ as a zinc intercalation anode towards zinc metal-free zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9006-9012	13	39

106	Multifunctional PEGylated nanoclusters for biomedical applications. <i>Nanoscale</i> , 2013 , 5, 5994-6005	7.7	38
105	Low Li Insertion Barrier Carbon for High Energy Efficient Lithium-Ion Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1690-1700	9.5	37
104	Mechanochemical synthesis of nanosized lead titanate powders from mixed oxides. <i>Materials Letters</i> , 1999 , 39, 364-369	3.3	36
103	Double-layer silica core-shell nanospheres with superparamagnetic and fluorescent functionalities. <i>Chemical Physics Letters</i> , 2008 , 461, 114-117	2.5	35
102	Heterometallic Seed-Mediated Zinc Deposition on Inkjet Printed Silver Nanoparticles Toward Foldable and Heat-Resistant Zinc Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2101607	15.6	35
101	Mechanochemical Synthesis of 0.9 Pb(Mg _{1/3} Nb _{2/3})O ₃ ·0.1 PbTiO ₃ from Mixed Oxides. <i>Advanced Materials</i> , 1999 , 11, 210-213	24	34
100	Synthesis of AIZS@SiO ₂ core-shell nanoparticles for cellular imaging applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1290-1296		32
99	How different is mechanical activation from thermal activation? A case study with PZN and PZN-based relaxors. <i>Solid State Ionics</i> , 2000 , 127, 169-175	3.3	32
98	Ni/Mo Bimetallic-Oxide-Derived Heterointerface-Rich Sulfide Nanosheets with Co-Doping for Efficient Alkaline Hydrogen Evolution by Boosting Volmer Reaction. <i>Small</i> , 2021 , 17, e2006730	11	32
97	Increasing Gas Bubble Escape Rate for Water Splitting with Nonwoven Stainless Steel Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40281-40289	9.5	31
96	Synthesis of Pb(Mg _{1/3} Nb _{2/3})O ₃ in Excess Lead Oxide by Mechanical Activation. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 660-662	3.8	31
95	Biodegradable polymer-silica xerogel composite microspheres for controlled release of gentamicin. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006 , 78, 417-22	3.5	29
94	Materializing efficient methanol oxidation via electron delocalization in nickel hydroxide nanoribbon. <i>Nature Communications</i> , 2020 , 11, 4647	17.4	29
93	Constructing hierarchical carbon framework and quantifying water transfer for novel solar evaporation configuration. <i>Carbon</i> , 2019 , 155, 25-33	10.4	28
92	Durable, flexible, superhydrophobic and blood-repelling surfaces for use in medical blood pumps. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 6225-6233	7.3	27
91	Improved energy harvesting capability of poly(vinylidene fluoride) films modified by reduced graphene oxide. <i>Journal of Intelligent Material Systems and Structures</i> , 2014 , 25, 1813-1824	2.3	27
90	Titania-PMMA nanohybrids of enhanced nanocrystallinity. <i>Journal of Electroceramics</i> , 2006 , 16, 431-439	1.5	27
89	Ferroelectric behaviors and charge carriers in Nd-doped Bi ₄ Ti ₃ O ₁₂ thin films. <i>Journal of Applied Physics</i> , 2005 , 97, 034101	2.5	27

88	Pd-Ce nanoparticles supported on functional Fe-MIL-101-NH ₂ : An efficient catalyst for selective glycerol oxidation. <i>Catalysis Today</i> , 2017 , 279, 77-83	5.3	26
87	Synthesis of poly(acrylic acid) (PAA) modified Pluronic P123 copolymers for pH-stimulated release of doxorubicin. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 462-70	9.3	26
86	Graphitic Mesoporous Carbon Loaded with Iron-Nickel Hydroxide for Superior Oxygen Evolution Reactivity. <i>ChemSusChem</i> , 2016 , 9, 1835-42	8.3	26
85	Sequential Combination of Constituent Oxides in the Synthesis of Pb(Fe _{1/2} Nb _{1/2})O ₃ by Mechanical Activation. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 565-572	3.8	25
84	Recent Development of Mn-based Oxides as Zinc-Ion Battery Cathode. <i>ChemSusChem</i> , 2021 , 14, 1634-1638	3.8	25
83	Controllable synthesis of ZnO nanoparticles with high intensity visible photoemission and investigation of its mechanism. <i>Nanotechnology</i> , 2013 , 24, 175702	3.4	24
82	Superparamagnetic Silica Composite Nanospheres (SSCNs) with Ultrahigh Loading of Iron Oxide Nanoparticles via an Oil-in-DEG Microemulsion Route. <i>Chemistry of Materials</i> , 2008 , 20, 6292-6294	9.6	24
81	Bismuth Titanate from Mechanical Activation of a Chemically Coprecipitated Precursor. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 2660-2665	3.8	24
80	BiS for Aqueous Zn Ion Battery with Enhanced Cycle Stability. <i>Nano-Micro Letters</i> , 2019 , 12, 8	19.5	24
79	Unraveling MoS and Transition Metal Dichalcogenides as Functional Zinc-Ion Battery Cathode: A Perspective.. <i>Small Methods</i> , 2021 , 5, e2000815	12.8	24
78	Synergistically Configuring Intrinsic Activity and Fin-Tube-Like Architecture of Mn-Doped MoS ₂ -Based Catalyst for Improved Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019 , 2, 493-502	6.1	23
77	Nitrogen-Doped Cobalt Phosphide for Enhanced Hydrogen Evolution Activity. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17359-17367	9.5	22
76	Nanocomposites of AgInZnS and graphene nanosheets as efficient photocatalysts for hydrogen evolution. <i>Nanoscale</i> , 2015 , 7, 18498-503	7.7	22
75	o-Benzenediol-Functionalized Carbon Nanosheets as Low Self-Discharge Aqueous Supercapacitors. <i>ChemSusChem</i> , 2018 , 11, 3307-3314	8.3	21
74	Unravelling VO Diffusion Pathways CO Modification for High-Performance Zinc Ion Battery Cathode. <i>ACS Nano</i> , 2021 , 15, 1273-1281	16.7	21
73	Effect of cutting tool geometries on the ductile-brittle transition of monocrystalline sapphire. <i>International Journal of Mechanical Sciences</i> , 2018 , 148, 565-577	5.5	21
72	From Titanium Sesquioxide to Titanium Dioxide: Oxidation-Induced Structural, Phase, and Property Evolution. <i>Chemistry of Materials</i> , 2018 , 30, 4383-4392	9.6	20
71	Electronic-reconstruction-enhanced hydrogen evolution catalysis in oxide polymorphs. <i>Nature Communications</i> , 2019 , 10, 3149	17.4	20

70	Monodisperse transfer of superparamagnetic nanoparticles from non-polar solvent to aqueous phase. <i>New Journal of Chemistry</i> , 2013 , 37, 2051	3.6	20
69	Structural and magnetic studies of Cu-doped ZnO films synthesized via a hydrothermal route. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5756		20
68	Significant dielectric enhancement in 0.3BiFeO ₃ 0.7SrBi ₂ Nb ₂ O ₉ . <i>Applied Physics Letters</i> , 2001 , 79, 2061-2063	3.4	20
67	Nanohybrids of non-stoichiometric zinc ferrite in amorphous silica. <i>Journal of Materials Chemistry</i> , 2001 , 11, 3110-3115		19
66	Metal Organic framework derived carbon for ultrahigh power and long cyclic life aqueous Zn ion capacitor. <i>Nano Materials Science</i> , 2020 , 2, 159-163	10.2	19
65	Harnessing oxygen vacancy in V ₂ O ₅ as high performing aqueous zinc-ion battery cathode. <i>Journal of Alloys and Compounds</i> , 2021 , 870, 159403	5.7	18
64	Preaddition of Cations to Electrolytes for Aqueous 2.2 V High Voltage Hybrid Supercapacitor with Superlong Cycling Life and Its Energy Storage Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17659-17668	9.5	17
63	Bendable graphene/conducting polymer hybrid films for freestanding electrodes with high volumetric capacitances. <i>RSC Advances</i> , 2016 , 6, 2951-2957	3.7	17
62	Optimizing Electrolyte Physiochemical Properties toward 2.8 V Aqueous Supercapacitor. <i>ACS Applied Energy Materials</i> , 2018 , 1, 3070-3076	6.1	17
61	Concentration-dependent magnetic hyperthermic response of manganese ferrite-loaded ultrasmall graphene oxide nanocomposites. <i>New Journal of Chemistry</i> , 2014 , 38, 2312-2319	3.6	17
60	Superparamagnetic Nanostructures for Off-Resonance Magnetic Resonance Spectroscopic Imaging. <i>Advanced Functional Materials</i> , 2013 , 23, 496-505	15.6	16
59	Interlayer Engineering of MnO ₂ with High Charge Density Bi ³⁺ for High Rate and Stable Aqueous Supercapacitor. <i>Batteries and Supercaps</i> , 2020 , 3, 519-526	5.6	15
58	High Lithium Insertion Voltage Single-Crystal H Ti O Nanorods as a High-Capacity and High-Rate Lithium-Ion Battery Anode Material. <i>ChemSusChem</i> , 2018 , 11, 299-310	8.3	14
57	High-Coercivity in $\alpha\text{-Fe}_2\text{O}_3$ Formed After Annealing From $\gamma\text{-Fe}_3\text{O}_4$ Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3340-3342	2	13
56	B-Site Order/Disorder Transition in Pb(Mg _{1/3} Nb _{2/3})O ₃ /Pb(Mg _{1/2} W _{1/2})O ₃ Triggered by Mechanical Activation. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 833-838	3.8	13
55	Effects of mechanical activation on the formation of PbTiO ₃ from amorphous PbTiO ₃ precursor. <i>Journal of Applied Physics</i> , 2003 , 93, 3470-3474	2.5	13
54	Mechanochemical Synthesis of 0.9[0.6Pb(Zn _{1/3} Nb _{2/3})O ₃]0.4Pb(Mg _{1/3} Nb _{2/3})O ₃]0.1PbTiO ₃ . <i>Journal of the American Ceramic Society</i> , 2000 , 83, 53-59	3.8	13
53	Metal-Organic-Framework-Derived Nitrogen-Doped Hybrid Nickel-Iron-Sulfide Architectures on Carbon Cloth as Efficient Electrocatalysts for the Oxygen Evolution Reaction. <i>ChemElectroChem</i> , 2019 , 6, 2741-2747	4.3	12

52	Fluorescent magnetic nanoparticles as minimally-invasive multi-functional theranostic platform for fluorescence imaging, MRI and magnetic hyperthermia. <i>Materials Chemistry and Physics</i> , 2018 , 204, 388-396	4.4	12
51	Succinic anhydride functionalized alkenoic ligands: a facile route to synthesize water dispersible nanocrystals. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13832		12
50	Mechanical activation-induced sequential combination, morphotric segregation and order-disorder transformation in Pb-based relaxors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 99, 63-69	3.1	12
49	Nurturing the marriages of single atoms with atomic clusters and nanoparticles for better heterogeneous electrocatalysis 2022 , 1, 51-87		12
48	Dendrite-Free Anodes Enabled by a Composite of a ZnAl Alloy with a Copper Mesh for High-Performing Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28129-28139	9.5	12
47	TiO ₂ B nanofibrils reinforced graphene paper for multifunctional flexible electrode. <i>Journal of Power Sources</i> , 2018 , 394, 131-139	8.9	12
46	Influence of scanning strategy and building direction on microstructure and corrosion behaviour of selective laser melted 316L stainless steel. <i>Materials and Design</i> , 2021 , 209, 109999	8.1	12
45	Extrusion printing of a designed three-dimensional YBa ₂ Cu ₃ O _{7-x} superconductor with milled precursor powder. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3382-3389	7.1	11
44	Mechanically robust glucose strutted graphene aerogel paper as a flexible electrode. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19144-19147	13	11
43	Oxygen-Deficient Birnessite-MnO ₂ for High-Performing Rechargeable Aqueous Zinc-Ion Batteries. <i>ChemNanoMat</i> , 2020 , 6, 1357-1364	3.5	11
42	Cu ₂ ZnS nanoporous spheres for highly efficient visible-light-driven photocatalytic hydrogen evolution. <i>New Journal of Chemistry</i> , 2013 , 37, 1878	3.6	11
41	Calculation of individual bit island switching field distribution in perpendicular magnetic bit patterned media. <i>Journal of Applied Physics</i> , 2011 , 109, 07B758	2.5	11
40	Dielectric behaviors of Pb _{1-x} La _x TiO ₃ derived from mechanical activation. <i>Journal of Applied Physics</i> , 2004 , 95, 4981-4988	2.5	11
39	Mechanical Activation-Assisted Synthesis of Pb(Fe _{2/3} W _{1/3})O ₃ . <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1575-1580	3.8	11
38	Structure characterization of BiFeO ₃ BrBi ₂ Nb ₂ O ₉ ceramics by mechanical activation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 99, 116-120	3.1	11
37	Effects of Excess Bi ₂ O ₃ on the Ferroelectric Behavior of Nd-Doped Bi ₄ Ti ₃ O ₁₂ Thin Films. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1037-1040	3.8	11
36	Nanosized Zinc-Oxide Particles Derived from Mechanical Activation of Zn ₅ (NO ₃) ₂ (OH) ₈ ·2H ₂ O in Sodium Chloride. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 273-275	3.8	10
35	Inducing Crystallization in an Amorphous Lead Zirconate Titanate Precursor by Mechanical Activation. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1641-1643	3.8	10

34	Deciphering NH Adsorption Kinetics in Ternary Ni-Cu-Fe Oxyhydroxide toward Efficient Ammonia Oxidation Reaction. <i>Small</i> , 2021 , 17, e2005616	11	10
33	BNi(OH) Originated from Electro-Oxidation of NiSe Supported by Carbon Nanoarray on Carbon Cloth for Efficient Water Oxidation. <i>Small</i> , 2019 , 15, e1902222	11	8
32	Controlled loading of paramagnetic gadolinium oxide nanoplates in PMAO-g-PEG as effective T1-weighted MRI contrast agents. <i>Journal of Materials Research</i> , 2014 , 29, 1626-1634	2.5	8
31	Atomically Dispersed Mo Sites Anchored on Multichannel Carbon Nanofibers toward Superior Electrocatalytic Hydrogen Evolution. <i>ACS Nano</i> , 2021 ,	16.7	8
30	Bioinspired Dual-Tier Coalescence for Water-Collection Efficiency Enhancement. <i>Langmuir</i> , 2018 , 34, 13409-13415	4	8
29	Synthesis of FeCo nanoparticles from FeO(OH) and Co ₃ O ₄ using oleic acid as reduction agent. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	7
28	A facile green approach for synthesizing monodisperse magnetite nanoparticles. <i>Journal of Materials Research</i> , 2010 , 25, 810-813	2.5	7
27	Polarization behaviors of (Bi _{3.15} Nd _{0.85})Ti ₃ O ₁₂ thin films deposited by radio-frequency magnetron sputtering. <i>Journal of Applied Physics</i> , 2005 , 98, 104106	2.5	7
26	TRANSPARENT TiO ₂ -PMMA NANOHYBRIDS OF HIGH NANOCRYSTALLINITY AND ENHANCED NONLINEAR OPTICAL PROPERTIES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2005 , 14, 281-297 ^{0.8}		7
25	Strontium Titanate-doped lead metaniobate ferroelectric thin films. <i>Applied Physics Letters</i> , 2002 , 81, 877-879	3.4	6
24	Engineering sulphur vacancy in VS ₂ as high performing zinc-ion batteries with high cyclic stability. <i>New Journal of Chemistry</i> , 2020 , 44, 15951-15957	3.6	6
23	K ⁺ -Intercalated MnO ₂ Electrode for High Performance Aqueous Supercapacitor. <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	6
22	Synthesis of Ag-In-Zn-S alloyed nanorods and their biological application. <i>Nanotechnology</i> , 2014 , 25, 485702	3.4	5
21	Manipulation of Mott-Schottky Ni/CeO Heterojunctions into N-Doped Carbon Nanofibers for High-Efficiency Electrochemical Water Splitting.. <i>Small</i> , 2022 , e2106592	11	5
20	In situ TEM study of electron-beam radiation induced boron diffusion and effects on phase and microstructure evolution in nanostructured CoFeB/SiO ₂ thin film. <i>Journal of Applied Physics</i> , 2017 , 121, 015111	2.5	4
19	Perpendicular magnetic clusters with configurable domain structures via dipole-dipole interactions. <i>Nano Research</i> , 2015 , 8, 3639-3650	10	4
18	The B-site order-disorder transformation in Pb(Sc _{1/2} Ta _{1/2})O ₃ triggered by mechanical activation. <i>Journal of Materials Science</i> , 2004 , 39, 5267-5270	4.3	4
17	Ferroelectric Behaviors of W-Doped SrBi ₂ Ta ₂ O ₉ Thin Films. <i>Integrated Ferroelectrics</i> , 2004 , 62, 163-169 ^{0.8}		3

16	Additive Manufacturing of Stable Energy Storage Devices Using a Multinozzle Printing System. <i>Advanced Functional Materials</i> , 2021 , 31, 2008280	15.6	3
15	Unveiling the Synergistic Effect of Ferroelectric Polarization and Domain Configuration for Reversible Zinc Metal Anodes.. <i>Advanced Science</i> , 2022 , e2105980	13.6	3
14	Construction of Bio-inspired Film with Engineered Hydrophobicity to Boost Interfacial Reaction Kinetics of Aqueous Zinc-Ion Batteries.. <i>Small</i> , 2022 , e2201732	11	3
13	Unique Dielectric Behavior of $0.6\text{Pb}(\text{Ni}_{1/2}\text{W}_{1/2})\text{O}_3 \cdot 0.4\text{PbTiO}_3$ Derived from Mechanical Activation. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 791-794	3.8	2
12	Supramolecular Surface Functionalization of Iron Oxide Nanoparticles with β -Cyclodextrin-Based Cationic Star Polymer for Magnetically-Enhanced Gene Delivery. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
11	Low-temperature superplasticity of β -stabilized Ti-43Al-9V-Y alloy sheet with bimodal β -grain-size distribution. <i>Journal of Materials Science and Technology</i> , 2021 , 95, 225-236	9.1	2
10	Ferroelectric and Dielectric Properties of $\text{Pb}(\text{Mg}_{1/3}\text{Ta}_{2/3})_0.7\text{Ti}_{0.3}\text{O}_3$ Thin Films Derived from RF Magnetron Sputtering. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2769-2774	3.8	1
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6	Phase transition behaviors of $(\text{Na}_{1/2}\text{Bi}_{1/2})_{1-x}\text{TiPb}_x\text{O}_3$ thin films. <i>Journal of Electroceramics</i> , 2008 , 21, 336-339	1.5	
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