

# Junmin Xue

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

159  
papers

6,722  
citations

44  
h-index

76  
g-index

161  
ext. papers

7,876  
ext. citations

8  
avg. IF

6.34  
L-index

#	Paper	IF	Citations
159	Nurturing the marriages of single atoms with atomic clusters and nanoparticles for better heterogeneous electrocatalysis <b>2022</b> , 1, 51-87		12
158	Manipulation of Mott-Schottky Ni/CeO Heterojunctions into N-Doped Carbon Nanofibers for High-Efficiency Electrochemical Water Splitting.. <i>Small</i> , <b>2022</b> , e2106592	11	5
157	Manipulating Zn-ion flux by two-dimensional porous g-C <sub>3</sub> N <sub>4</sub> nanosheets for dendrite-free zinc metal anode. <i>Chemical Engineering Journal</i> , <b>2022</b> , 433, 134077	14.7	1
156	Unveiling the Synergistic Effect of Ferroelectric Polarization and Domain Configuration for Reversible Zinc Metal Anodes.. <i>Advanced Science</i> , <b>2022</b> , e2105980	13.6	3
155	Construction of Bio-inspired Film with Engineered Hydrophobicity to Boost Interfacial Reaction Kinetics of Aqueous Zinc-Ion Batteries.. <i>Small</i> , <b>2022</b> , e2201732	11	3
154	Supramolecular Surface Functionalization of Iron Oxide Nanoparticles with Cyclodextrin-Based Cationic Star Polymer for Magnetically-Enhanced Gene Delivery. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	2
153	Atomically Dispersed Mo Sites Anchored on Multichannel Carbon Nanofibers toward Superior Electrocatalytic Hydrogen Evolution. <i>ACS Nano</i> , <b>2021</b> ,	16.7	8
152	Heterometallic Seed-Mediated Zinc Deposition on Inkjet Printed Silver Nanoparticles Toward Foldable and Heat-Resistant Zinc Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101607	15.6	35
151	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 &amp; Interfaces</i> , <b>2021</b> , 13, 28129-28139	9.5	12
150	Harnessing oxygen vacancy in V <sub>2</sub> O <sub>5</sub> as high performing aqueous zinc-ion battery cathode. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 870, 159403	5.7	18
149	Additive Manufacturing of Stable Energy Storage Devices Using a Multinozzle Printing System. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008280	15.6	3
148	Unraveling MoS and Transition Metal Dichalcogenides as Functional Zinc-Ion Battery Cathode: A Perspective.. <i>Small Methods</i> , <b>2021</b> , 5, e2000815	12.8	24
147	Unravelling VO Diffusion Pathways CO Modification for High-Performance Zinc Ion Battery Cathode. <i>ACS Nano</i> , <b>2021</b> , 15, 1273-1281	16.7	21
146	Deciphering NH Adsorption Kinetics in Ternary Ni-Cu-Fe Oxyhydroxide toward Efficient Ammonia Oxidation Reaction. <i>Small</i> , <b>2021</b> , 17, e2005616	11	10
145	Ni/Mo Bimetallic-Oxide-Derived Heterointerface-Rich Sulfide Nanosheets with Co-Doping for Efficient Alkaline Hydrogen Evolution by Boosting Volmer Reaction. <i>Small</i> , <b>2021</b> , 17, e2006730	11	32
144	Recent Development of Mn-based Oxides as Zinc-Ion Battery Cathode. <i>ChemSusChem</i> , <b>2021</b> , 14, 1634-1638	5.8	25
143	Influence of scanning strategy and building direction on microstructure and corrosion behaviour of selective laser melted 316L stainless steel. <i>Materials and Design</i> , <b>2021</b> , 209, 109999	8.1	12

142	Low-temperature superplasticity of $\beta$ -stabilized Ti-43Al-9V-Y alloy sheet with bimodal $\beta$ -grain-size distribution. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 95, 225-236	9.1	2
141	Oxygen-Deficient Birnessite-MnO <sub>2</sub> for High-Performing Rechargeable Aqueous Zinc-Ion Batteries. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1357-1364	3.5	11
140	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 &amp; Interfaces</i> , <b>2020</b> , 12, 17659-17668	9.5	17
139	Interlayer Engineering of MnO <sub>2</sub> with High Charge Density Bi <sup>3+</sup> for High Rate and Stable Aqueous Supercapacitor. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 519-526	5.6	15
138	Strain stabilized nickel hydroxide nanoribbons for efficient water splitting. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 229-237	35.4	43
137	Defect Engineering in Manganese-Based Oxides for Aqueous Rechargeable Zinc-Ion Batteries: A Review. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001769	21.8	99
136	Materializing efficient methanol oxidation via electron delocalization in nickel hydroxide nanoribbon. <i>Nature Communications</i> , <b>2020</b> , 11, 4647	17.4	29
135	Engineering sulphur vacancy in VS <sub>2</sub> as high performing zinc-ion batteries with high cyclic stability. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 15951-15957	3.6	6
134	Metal Organic framework derived carbon for ultrahigh power and long cyclic life aqueous Zn ion capacitor. <i>Nano Materials Science</i> , <b>2020</b> , 2, 159-163	10.2	19
133	Recent Advances on Boosting the Cell Voltage of Aqueous Supercapacitors. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 98	19.5	80
132	Hexagonal MoO <sub>3</sub> as a zinc intercalation anode towards zinc metal-free zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9006-9012	13	39
131	Constructing hierarchical carbon framework and quantifying water transfer for novel solar evaporation configuration. <i>Carbon</i> , <b>2019</b> , 155, 25-33	10.4	28
130	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> , <b>2019</b> , 6, 2741-2747	4.3	12
129	Nitrogen-Doped Cobalt Phosphide for Enhanced Hydrogen Evolution Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17359-17367	9.5	22
128	Electronic-reconstruction-enhanced hydrogen evolution catalysis in oxide polymorphs. <i>Nature Communications</i> , <b>2019</b> , 10, 3149	17.4	20
127	BNi(OH) Originated from Electro-Oxidation of NiSe Supported by Carbon Nanoarray on Carbon Cloth for Efficient Water Oxidation. <i>Small</i> , <b>2019</b> , 15, e1902222	11	8
126	BiS for Aqueous Zn Ion Battery with Enhanced Cycle Stability. <i>Nano-Micro Letters</i> , <b>2019</b> , 12, 8	19.5	24
125	Defect Engineering of Oxygen-Deficient Manganese Oxide to Achieve High-Performing Aqueous Zinc Ion Battery. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803815	21.8	285

124	Binder-free VO/CNT paper electrode for high rate performance zinc ion battery. <i>Nanoscale</i> , <b>2019</b> , 11, 19723-19728	7.7	40
123	Synergistically Configuring Intrinsic Activity and Fin-Tube-Like Architecture of Mn-Doped MoS <sub>2</sub> -Based Catalyst for Improved Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 493-502	6.1	23
122	Two-photon graphene quantum dot modified GdO nanocomposites as a dual-mode MRI contrast agent and cell labelling agent. <i>Nanoscale</i> , <b>2018</b> , 10, 5642-5649	7.7	42
121	Harmonizing Energy and Power Density toward 2.7 V Asymmetric Aqueous Supercapacitor. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702630	21.8	158
120	Low Li Insertion Barrier Carbon for High Energy Efficient Lithium-Ion Capacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1690-1700	9.5	37
119	Fluorescent magnetic nanoparticles as minimally-invasive multi-functional theranostic platform for fluorescence imaging, MRI and magnetic hyperthermia. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 204, 388-394	4.4	12
118	Optimizing Electrolyte Physiochemical Properties toward 2.8 V Aqueous Supercapacitor. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 3070-3076	6.1	17
117	o-Benzenediol-Functionalized Carbon Nanosheets as Low Self-Discharge Aqueous Supercapacitors. <i>ChemSusChem</i> , <b>2018</b> , 11, 3307-3314	8.3	21
116	Durable, flexible, superhydrophobic and blood-repelling surfaces for use in medical blood pumps. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 6225-6233	7.3	27
115	From Titanium Sesquioxide to Titanium Dioxide: Oxidation-Induced Structural, Phase, and Property Evolution. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4383-4392	9.6	20
114	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> , <b>2018</b> , 11, 299-310	8.3	14
113	Bioinspired Dual-Tier Coalescence for Water-Collection Efficiency Enhancement. <i>Langmuir</i> , <b>2018</b> , 34, 13409-13415	4	8
112	K <sup>+</sup> -Intercalated MnO <sub>2</sub> Electrode for High Performance Aqueous Supercapacitor. <i>ACS Applied Energy Materials</i> , <b>2018</b> ,	6.1	6
111	Effect of cutting tool geometries on the ductile-brittle transition of monocrystalline sapphire. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 148, 565-577	5.5	21
110	TiO <sub>2</sub> B nanofibrils reinforced graphene paper for multifunctional flexible electrode. <i>Journal of Power Sources</i> , <b>2018</b> , 394, 131-139	8.9	12
109	Pd-Ce nanoparticles supported on functional Fe-MIL-101-NH <sub>2</sub> : An efficient catalyst for selective glycerol oxidation. <i>Catalysis Today</i> , <b>2017</b> , 279, 77-83	5.3	26
108	In situ TEM study of electron-beam radiation induced boron diffusion and effects on phase and microstructure evolution in nanostructured CoFeB/SiO <sub>2</sub> thin film. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 015111	2.5	4
107	Extrusion printing of a designed three-dimensional YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> superconductor with milled precursor powder. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 3382-3389	7.1	11

106	Enhanced oxygen evolution reaction by Co-O-C bonds in rationally designed Co <sub>3</sub> O <sub>4</sub> /graphene nanocomposites. <i>Nano Energy</i> , <b>2017</b> , 33, 445-452	17.1	102
105	Mn <sub>3</sub> O <sub>4</sub> /reduced graphene oxide based supercapacitor with ultra-long cycling performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12762-12768	13	57
104	Activating Basal Planes and S-Terminated Edges of MoS <sub>2</sub> toward More Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604943	15.6	104
103	Indole-based conjugated macromolecules as a redox-mediated electrolyte for an ultrahigh power supercapacitor. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 2441-2449	35.4	49
102	Three-dimensional printed cellular stainless steel as a high-activity catalytic electrode for oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18176-18182	13	45
101	Increasing Gas Bubble Escape Rate for Water Splitting with Nonwoven Stainless Steel Fabrics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 40281-40289	9.5	31
100	All-inorganic perovskite CsPb(Br/I) <sub>3</sub> nanorods for optoelectronic application. <i>Nanoscale</i> , <b>2016</b> , 8, 15158-61	6.7	104
99	Designed Construction of a Graphene and Iron Oxide Freestanding Electrode with Enhanced Flexible Energy-Storage Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6972-81	9.5	42
98	Few-layer MoS <sub>2</sub> -anchored graphene aerogel paper for free-standing electrode materials. <i>Nanoscale</i> , <b>2016</b> , 8, 8042-7	7.7	49
97	Bendable graphene/conducting polymer hybrid films for freestanding electrodes with high volumetric capacitances. <i>RSC Advances</i> , <b>2016</b> , 6, 2951-2957	3.7	17
96	Graphitic Mesoporous Carbon Loaded with Iron-Nickel Hydroxide for Superior Oxygen Evolution Reactivity. <i>ChemSusChem</i> , <b>2016</b> , 9, 1835-42	8.3	26
95	Mesoporous Carbon Nanomaterials <b>2016</b> , 505-540		
94	Nanoscaled self-alignment of Fe <sub>3</sub> O <sub>4</sub> nanodiscs in ultrathin rGO films with engineered conductivity for electromagnetic interference shielding. <i>Nanoscale</i> , <b>2016</b> , 8, 15989-98	7.7	54
93	Nanostructured magnetic nanocomposites as MRI contrast agents. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 2241-2276	7.3	90
92	Mechanically robust glucose struttred graphene aerogel paper as a flexible electrode. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19144-19147	13	11
91	Perpendicular magnetic clusters with configurable domain structures via dipole-dipole interactions. <i>Nano Research</i> , <b>2015</b> , 8, 3639-3650	10	4
90	Nanocomposites of AgInZnS and graphene nanosheets as efficient photocatalysts for hydrogen evolution. <i>Nanoscale</i> , <b>2015</b> , 7, 18498-503	7.7	22
89	Sulphur-functionalized graphene towards high performance supercapacitor. <i>Nano Energy</i> , <b>2015</b> , 12, 250-257	25.7	79

88	Synthesis of FeCo nanoparticles from FeO(OH) and Co <sub>3</sub> O <sub>4</sub> using oleic acid as reduction agent. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	7
87	Ultrasmall Fe <sub>3</sub> O <sub>4</sub> nanoparticle/MoS <sub>2</sub> nanosheet composites with superior performances for lithium ion batteries. <i>Small</i> , <b>2014</b> , 10, 1536-43	11	232
86	Role of carbon coating in improving electrochemical performance of Li-rich Li(Li <sub>0.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> )O <sub>2</sub> cathode. <i>RSC Advances</i> , <b>2014</b> , 4, 44244-44252	3.7	43
85	A study of the superior electrochemical performance of 3 nm SnO <sub>2</sub> nanoparticles supported by graphene. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5688-5695	13	85
84	Flexible Solid-State Supercapacitor Based on Graphene-based Hybrid Films. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 7495-7502	15.6	133
83	Integrated Synthesis of Nitrogen-Doped Mesoporous Carbon from Melamine Resins with Superior Performance in Supercapacitors. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 2507-2517	3.8	147
82	Synthesis of SnO <sub>2</sub> /MoS <sub>2</sub> composites with different component ratios and their applications as lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17857-17866	13	80
81	Concentration-dependent magnetic hyperthermic response of manganese ferrite-loaded ultrasmall graphene oxide nanocomposites. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 2312-2319	3.6	17
80	Synthesis of Ag-In-Zn-S alloyed nanorods and their biological application. <i>Nanotechnology</i> , <b>2014</b> , 25, 4853-4862	3.2	5
79	Improved energy harvesting capability of poly(vinylidene fluoride) films modified by reduced graphene oxide. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2014</b> , 25, 1813-1824	2.3	27
78	Controlled loading of paramagnetic gadolinium oxide nanoplates in PMAO-g-PEG as effective T1-weighted MRI contrast agents. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 1626-1634	2.5	8
77	Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Embedded in Uniform Mesoporous Carbon Spheres for Superior High-Rate Battery Applications. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 319-326	15.6	150
76	Multifunctional PEGylated nanoclusters for biomedical applications. <i>Nanoscale</i> , <b>2013</b> , 5, 5994-6005	7.7	38
75	Monodisperse transfer of superparamagnetic nanoparticles from non-polar solvent to aqueous phase. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 2051	3.6	20
74	Mesoporous carbon decorated graphene as an efficient electrode material for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 7469	13	51
73	Graphene oxide based fluorescent nanocomposites for cellular imaging. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 512-521	7.3	88
72	Controllable synthesis of ZnO nanoparticles with high intensity visible photoemission and investigation of its mechanism. <i>Nanotechnology</i> , <b>2013</b> , 24, 175702	3.4	24
71	Ultra-small Fe <sub>3</sub> O <sub>4</sub> nanoparticle decorated graphene nanosheets with superior cyclic performance and rate capability. <i>Nanoscale</i> , <b>2013</b> , 5, 6797-803	7.7	70

70	CuInZnS-decorated graphene nanosheets for highly efficient visible-light-driven photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6359	13	39
69	Superparamagnetic Nanostructures for Off-Resonance Magnetic Resonance Spectroscopic Imaging. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 496-505	15.6	16
68	CuInZnS nanoporous spheres for highly efficient visible-light-driven photocatalytic hydrogen evolution. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1878	3.6	11
67	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> , <b>2012</b> , 377, 169-75	9.3	67
66	Synthesis of AIZS@SiO <sub>2</sub> core-shell nanoparticles for cellular imaging applications. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 1290-1296		32
65	Evaluation of piezoelectric property of reduced graphene oxide (rGO)/poly(vinylidene fluoride) nanocomposites. <i>Nanoscale</i> , <b>2012</b> , 4, 7250-5	7.7	101
64	Synthesis of porous hollow Fe <sub>3</sub> O <sub>4</sub> beads and their applications in lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 5006		215
63	Succinic anhydride functionalized alkenoic ligands: a facile route to synthesize water dispersible nanocrystals. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13832		12
62	Synthesis of Zn-Doped AgInS <sub>2</sub> Nanocrystals and Their Fluorescence Properties. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 9769-9773	3.8	137
61	Optimization of surface coating on Fe <sub>3</sub> O <sub>4</sub> nanoparticles for high performance magnetic hyperthermia agents. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 8235		175
60	One-step synthesis of hollow porous Fe <sub>3</sub> O <sub>4</sub> beads/reduced graphene oxide composites with superior battery performance. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17656		99
59	Synthesis of monodispersed SnO <sub>2</sub> @C composite hollow spheres for lithium ion battery anode applications. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17448		63
58	Synthesis and characterization of AgInS <sub>2</sub> ZnS heterodimers with tunable photoluminescence. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 11239		92
57	High-Coercivity in $\alpha\text{-Fe}_2\text{O}_3$ Formed After Annealing From $\gamma\text{-Fe}_2\text{O}_3$ Nanoparticles. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3340-3342	2	13
56	Controlled loading of superparamagnetic nanoparticles in fluorescent nanogels as effective T <sub>2</sub> -weighted MRI contrast agents. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 2310-2319		73
55	Synthesis of poly(acrylic acid) (PAA) modified Pluronic P123 copolymers for pH-stimulated release of doxorubicin. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 358, 462-70	9.3	26
54	Surface ferromagnetism in hydrogenated-ZnO film. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 152505	3.4	39
53	Calculation of individual bit island switching field distribution in perpendicular magnetic bit patterned media. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07B758	2.5	11

52	Synthesis of Magnetite Nanooctahedra and Their Magnetic Field-Induced Two-/Three-Dimensional Superstructure. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3183-3191	9.6	119
51	Synthesis of ZnO Nanoparticles with Tunable Emission Colors and Their Cell Labeling Applications. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3383-3388	9.6	183
50	A facile green approach for synthesizing monodisperse magnetite nanoparticles. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 810-813	2.5	7
49	Structural and magnetic studies of Cu-doped ZnO films synthesized via a hydrothermal route. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 5756		20
48	Macroporous Silica Hollow Microspheres as Nanoparticle Collectors. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 3629-3637	9.6	77
47	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> , <b>2009</b> , 33, 88-92	3.6	39
46	Monodisperse silica nanoparticles encapsulating upconversion fluorescent and superparamagnetic nanocrystals. <i>Chemical Communications</i> , <b>2008</b> , 694-6	5.8	152
45	Superparamagnetic Silica Composite Nanospheres (SSCNs) with Ultrahigh Loading of Iron Oxide Nanoparticles via an Oil-in-DEG Microemulsion Route. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6292-6294	9.6	24
44	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> , <b>2008</b> , 21, 336-339	1.5	
43	Bilayered $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3/(\text{Bi},\text{Nd})_4\text{Ti}_3\text{O}_{12}$ thin films. <i>Journal of Electroceramics</i> , <b>2008</b> , 21, 331-335	1.5	
42	Double-layer silica core-shell nanospheres with superparamagnetic and fluorescent functionalities. <i>Chemical Physics Letters</i> , <b>2008</b> , 461, 114-117	2.5	35
41	Biodegradable polymer-silica xerogel composite microspheres for controlled release of gentamicin. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2006</b> , 78, 417-22	3.5	29
40	$\text{Pb}(\text{Zn}_{1/3}\text{Ta}_{2/3})\text{O}_3/\text{PbTiO}_3$ Derived from Mechanical Activation. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 060623005134009-???	3.8	
39	Titania-PMMA nanohybrids of enhanced nanocrystallinity. <i>Journal of Electroceramics</i> , <b>2006</b> , 16, 431-439	1.5	27
38	Effects of Excess $\text{Bi}_2\text{O}_3$ on the Ferroelectric Behavior of Nd-Doped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Thin Films. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 1037-1040	3.8	11
37	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> , <b>2005</b> , 88, 2769-2774	3.8	1
36	Ferroelectric behaviors and charge carriers in Nd-doped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin films. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 034101	2.5	27
35	Polarization behaviors of $(\text{Bi}_{3.15}\text{Nd}_{0.85})\text{Ti}_3\text{O}_{12}$ thin films deposited by radio-frequency magnetron sputtering. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 104106	2.5	7



34	TRANSPARENT TiO <sub>2</sub> -PMMA NANOHYBRIDS OF HIGH NANOCRYSTALLINITY AND ENHANCED NONLINEAR OPTICAL PROPERTIES. <i>Journal of Nonlinear Optical Physics and Materials</i> , <b>2005</b> , 14, 281-297 <sup>0.8</sup>	7
33	Dielectric behaviors of Pb <sub>1-x</sub> /2La <sub>x</sub> TiO <sub>3</sub> derived from mechanical activation. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 4981-4988	2.5 11
32	Ferroelectric Behaviors of W-Doped SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> Thin Films. <i>Integrated Ferroelectrics</i> , <b>2004</b> , 62, 163-169 <sup>0.8</sup>	3
31	Post-Sinter Annealing of Pb <sub>0.7</sub> La <sub>0.2</sub> TiO <sub>3</sub> Derived from Mechanical Activation. <i>Integrated Ferroelectrics</i> , <b>2004</b> , 62, 35-41	0.8
30	Mechanical Activation-Assisted Synthesis of Pb(Fe <sub>2/3</sub> W <sub>1/3</sub> )O <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 1575-1580	3.8 11
29	Nanosized Zinc-Oxide Particles Derived from Mechanical Activation of Zn <sub>5</sub> (NO <sub>3</sub> ) <sub>2</sub> (OH) <sub>8</sub> ·2H <sub>2</sub> O in Sodium Chloride. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 273-275	3.8 10
28	Sequential Combination of Constituent Oxides in the Synthesis of Pb(Fe <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> by Mechanical Activation. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 565-572	3.8 25
27	B-Site Order/Disorder Transition in Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /Pb(Mg <sub>1/2</sub> W <sub>1/2</sub> )O <sub>3</sub> Triggered by Mechanical Activation. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 833-838	3.8 13
26	Bismuth Titanate from Mechanical Activation of a Chemically Coprecipitated Precursor. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 2660-2665	3.8 24
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24	PLGA/mesoporous silica hybrid structure for controlled drug release. <i>Journal of Controlled Release</i> , <b>2004</b> , 98, 209-17	11.7 135
23	The B-site order-disorder transformation in Pb(Sc <sub>1/2</sub> Ta <sub>1/2</sub> )O <sub>3</sub> triggered by mechanical activation. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 5267-5270	4.3 4
22	Controlling the crystallinity and nonlinear optical properties of transparent TiO <sub>2</sub> /PMMA nanohybrids. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 2978-2987	125
21	Structure characterization of BiFeO <sub>3</sub> /Bi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> ceramics by mechanical activation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2003</b> , 99, 116-120	3.1 11
20	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> , <b>2003</b> , 99, 63-69	3.1 12
19	Unique Dielectric Behavior of 0.6Pb(Ni <sub>1/2</sub> W <sub>1/2</sub> )O <sub>3</sub> /0.4PbTiO <sub>3</sub> Derived from Mechanical Activation. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 791-794	3.8 2
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17	Transparent nanohybrids of nanocrystalline TiO <sub>2</sub> in PMMA with unique nonlinear optical behavior. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 1475	131

16	Ultrafast optical nonlinearity in poly(methylmethacrylate)-TiO <sub>2</sub> nanocomposites. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2691-2693	3.4	101
15	Effects of mechanical activation on the formation of PbTiO <sub>3</sub> from amorphous PbTiO <sub>3</sub> precursor. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 3470-3474	2.5	13
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13	PREPARATION AND STRUCTURE CHARACTERIZATION OF BiFeO <sub>3</sub> -SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> THIN FILMS ON SILICON BY SOL-GEL PROCESSING. <i>International Journal of Modern Physics B</i> , <b>2002</b> , 16, 4455-4459	1.1	
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11	Synthesis of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> in Excess Lead Oxide by Mechanical Activation. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 660-662	3.8	31
10	Crystallization of Lead Niobate Glass by Mechanical Activation. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 2691-2695	3.8	1
9	Significant dielectric enhancement in 0.3BiFeO <sub>3</sub> 0.7SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> . <i>Applied Physics Letters</i> , <b>2001</b> , 79, 2061-2063	3.4	20
8	Transparent magnetic composites of ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles in silica. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 4169-4174	2.5	48
7	Nanohybrids of non-stoichiometric zinc ferrite in amorphous silica. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 3110-3115		19
6	How different is mechanical activation from thermal activation? A case study with PZN and PZN-based relaxors. <i>Solid State Ionics</i> , <b>2000</b> , 127, 169-175	3.3	32
5	Mechanochemical Synthesis of 0.9[0.6Pb(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ]0.4Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ]0.1PbTiO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2000</b> , 83, 53-59	3.8	13
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3	Mechanochemical Synthesis of Lead Zirconate Titanate from Mixed Oxides. <i>Journal of the American Ceramic Society</i> , <b>1999</b> , 82, 1687-1692	3.8	136
2	Mechanochemical Synthesis of 0.9 Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> 0.1 PbTiO <sub>3</sub> from Mixed Oxides. <i>Advanced Materials</i> , <b>1999</b> , 11, 210-213	2.4	34
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