

Kongjun Zhu

List of Publications by Year in descending order

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236
papers

5,096
citations

87888

38
h-index

155660

55
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238
all docs

238
docs citations

238
times ranked

5559
citing authors

#	ARTICLE	IF	CITATIONS
1	Combination of ultrafast dye-sensitized-assisted electron transfer process and novel Z-scheme system: AgBr nanoparticles interspersed MoO ₃ nanobelts for enhancing photocatalytic performance of RhB. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 242-251.	20.2	164
2	Recent Progress in the Applications of Vanadium-Based Oxides on Energy Storage: from Low-Dimensional Nanomaterials Synthesis to 3D Micro/Nano-Structures and Free-Standing Electrodes Fabrication. <i>Advanced Energy Materials</i> , 2017, 7, 1700547.	19.5	151
3	Preferential occupancy of metal ions in the hydroxyapatite solid solutions synthesized by hydrothermal method. <i>Journal of the European Ceramic Society</i> , 2006, 26, 509-513.	5.7	107
4	Enhanced dielectric and ferroelectric properties induced by TiO ₂ @MWCNTs nanoparticles in flexible poly(vinylidene fluoride) composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 65, 125-134.	7.6	93
5	Crystalline Structure, Defect Chemistry and Room Temperature Colossal Permittivity of Nd-doped Barium Titanate. <i>Scientific Reports</i> , 2017, 7, 42274.	3.3	89
6	Ultrathin VO ₂ nanosheets self-assembled into 3D micro/nano-structured hierarchical porous sponge-like micro-bundles for long-life and high-rate Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8307-8316.	10.3	86
7	Enhanced synchronized switch harvesting: a new energy harvesting scheme for efficient energy extraction. <i>Smart Materials and Structures</i> , 2010, 19, 115017.	3.5	84
8	[100]-Oriented LiFePO ₄ Nanoflakes toward High Rate Li-Ion Battery Cathode. <i>Nano Letters</i> , 2016, 16, 795-799.	9.1	81
9	Comparison between four piezoelectric energy harvesting circuits. <i>Frontiers of Mechanical Engineering in China</i> , 2009, 4, 153-159.	0.4	72
10	Electrical and optical properties of Nd ³⁺ -doped Na _{0.5} Bi _{0.5} TiO ₃ ferroelectric single crystal. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 245104.	2.8	67
11	Electro-mechanical performance of polyurethane dielectric elastomer flexible micro-actuator composite modified with titanium dioxide-graphene hybrid fillers. <i>Materials and Design</i> , 2016, 90, 1069-1076.	7.0	67
12	Effects of excess sulfur source on the formation and photocatalytic properties of flower-like MoS ₂ spheres by hydrothermal synthesis. <i>Materials Letters</i> , 2015, 144, 153-156.	2.6	64
13	Semiconducting BaTiO ₃ @C core-shell structure for improving piezo-photocatalytic performance. <i>Nano Energy</i> , 2022, 93, 106831.	16.0	64
14	Hierarchical Porous Intercalation-Type V ₂ O ₃ as High-Performance Anode Materials for Li-Ion Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 7538-7544.	3.3	63
15	Dramatically improved piezoelectric properties of poly(vinylidene fluoride) composites by incorporating aligned TiO ₂ @MWCNTs. <i>Composites Science and Technology</i> , 2016, 123, 259-267.	7.8	61
16	In-situ fabrication of MoO ₃ nanobelts decorated with MoO ₂ nanoparticles and their enhanced photocatalytic performance. <i>Applied Surface Science</i> , 2019, 480, 427-437.	6.1	61
17	A low-power circuit for piezoelectric vibration control by synchronized switching on voltage sources. <i>Sensors and Actuators A: Physical</i> , 2010, 161, 245-255.	4.1	60
18	Ultra-long VO ₂ (A) nanorods using the high-temperature mixing method under hydrothermal conditions: synthesis, evolution and thermochromic properties. <i>CrystEngComm</i> , 2013, 15, 2753.	2.6	58

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19	Semi-active Vibration Control of a Composite Beam using an Adaptive SSDV Approach. <i>Journal of Intelligent Material Systems and Structures</i> , 2009, 20, 401-412.	2.5	56
20	Oxidation-Sulfidation Approach for Vertically Growing MoS ₂ Nanofilms Catalysts on Molybdenum Foils as Efficient HER Catalysts. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25843-25850.	3.1	56
21	Two-mode vibration control of a beam using nonlinear synchronized switching damping based on the maximization of converted energy. <i>Journal of Sound and Vibration</i> , 2010, 329, 2751-2767.	3.9	54
22	Semi-active Vibration Control of a Composite Beam by Adaptive Synchronized Switching on Voltage Sources Based on LMS Algorithm. <i>Journal of Intelligent Material Systems and Structures</i> , 2009, 20, 939-947.	2.5	53
23	Enhanced electromagnetic wave absorption properties of polyaniline-coated Fe ₃ O ₄ /reduced graphene oxide nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3664-3673.	2.2	53
24	Ultrathin Nanoribbons of in Situ Carbon-Coated V ₃ O ₇ ·H ₂ O for High-Energy and Long-Life Li-Ion Batteries: Synthesis, Electrochemical Performance, and Charge/Discharge Behavior. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17002-17012.	8.0	53
25	Photo-Fenton reaction and H ₂ O ₂ enhanced photocatalytic activity of ±-Fe ₂ O ₃ nanoparticles obtained by a simple decomposition route. <i>Journal of Alloys and Compounds</i> , 2019, 771, 398-405.	5.5	52
26	Controlled Hydrothermal/Solvothermal Synthesis of High-Performance LiFePO ₄ for Li-Ion Batteries. <i>Small Methods</i> , 2021, 5, e2100193.	8.6	52
27	Ultra high permittivity and significantly enhanced electric field induced strain in PEDOT:PSS@RGO@PU intelligent shape-changing electro-active polymers. <i>RSC Advances</i> , 2014, 4, 64061-64067.	3.6	50
28	Dielectric, mechanical and electro-stimulus response properties studies of polyurethane dielectric elastomer modified by carbon nanotube-graphene nanosheet hybrid fillers. <i>Polymer Testing</i> , 2015, 47, 4-11.	4.8	50
29	A promising composite solid electrolyte incorporating LLZO into PEO/PVDF matrix for all-solid-state lithium-ion batteries. <i>Ionics</i> , 2020, 26, 1101-1108.	2.4	50
30	Modified Solvothermal Strategy for Straightforward Synthesis of Cubic NaNbO ₃ Nanowires with Enhanced Photocatalytic H ₂ Evolution. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25956-25964.	3.1	48
31	Achieving High Performance Electric Field Induced Strain: A Rational Design of Hyperbranched Aromatic Polyamide Functionalized Graphene/Polyurethane Dielectric Elastomer Composites. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4521-4530.	2.6	46
32	Poly(methyl methacrylate)-functionalized graphene/polyurethane dielectric elastomer composites with superior electric field induced strain. <i>Materials Letters</i> , 2014, 128, 19-22.	2.6	45
33	Preparation of calcium doped LaCrO ₃ fine powders by hydrothermal method and its sintering. <i>Journal of the European Ceramic Society</i> , 2006, 26, 81-88.	5.7	42
34	Preparation and characterization of monodispersed BaTiO ₃ nanocrystals by sol-gel hydrothermal method. <i>Journal of Crystal Growth</i> , 2013, 363, 300-307.	1.5	42
35	A general and simple method to synthesize well-crystallized nanostructured vanadium oxides for high performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9385-9389.	10.3	42
36	Simultaneously improved dielectric constant and breakdown strength of PVDF/Nd-BaTiO ₃ fiber composite films via the surface modification and subtle filler content modulation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 128, 105675.	7.6	41

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37	Double-Layered Multifunctional Composite Electrolytes for High-Voltage Solid-State Lithium-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11958-11967.	8.0	41
38	Flexible and robust N-doped carbon nanofiber film encapsulating uniformly silica nanoparticles: Free-standing long-life and low-cost electrodes for Li- and Na-Ion batteries. <i>Electrochimica Acta</i> , 2017, 235, 79-87.	5.2	40
39	(K, Na)NbO ₃ -based lead-free piezoelectric ceramics manufactured by two-step sintering. <i>Ceramics International</i> , 2012, 38, 2521-2527.	4.8	39
40	One-step fabrication of in situ carbon-coated NiCo ₂ O ₄ @C bilayered hybrid nanostructural arrays as free-standing anode for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 273, 1-9.	5.2	39
41	Enhanced visible-light photocatalytic performances of ZnO through loading AgI and coupling piezo-photocatalysis. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156848.	5.5	39
42	Composition dependence of dispersion and bandgap properties in PZN-xPT single crystals. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	38
43	Hydrothermal synthesis of sodium niobate with controllable shape and structure. <i>CrystEngComm</i> , 2012, 14, 411-416.	2.6	38
44	Piezoelectric vibration control for all-clamped panel using DOB-based optimal control. <i>Mechatronics</i> , 2011, 21, 1213-1221.	3.3	37
45	Heterogeneous interface-boosted zinc storage of H ₂ V ₃ O ₈ nanowire/Ti ₃ C ₂ T _x MXene composite toward high-rate and long cycle lifespan aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , 2022, 50, 63-74.	18.0	37
46	Enhanced piezoelectric properties of 0.55Pb(Ni _{1/3} Nb _{2/3})O ₃ -0.135PbZrO ₃ -0.315PbTiO ₃ ternary ceramics by optimizing sintering temperature. <i>Journal of Electroceramics</i> , 2014, 32, 234-239.	2.0	36
47	Stabilized temperature-dependent dielectric properties of Dy-doped BaTiO ₃ ceramics derived from sol-hydrothermally synthesized nanopowders. <i>Ceramics International</i> , 2016, 42, 3170-3176.	4.8	36
48	Effects of Fe ₂ O ₃ doping on the microstructure and piezoelectric properties of 0.55Pb(Ni _{1/3} Nb _{2/3})O ₃ -0.45Pb(Zr _{0.3} Ti _{0.7})O ₃ ceramics. <i>Materials Letters</i> , 2012, 66, 153-155.	2.6	35
49	Hierarchical bilayered hybrid nanostructural arrays of NiCo ₂ O ₄ micro-urchins and nanowires as a free-standing electrode with high loading for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2017, 9, 14979-14989.	5.6	35
50	Synthesis of (K, Na) (Nb, Ta)O ₃ lead-free piezoelectric ceramic powders by high temperature mixing method under hydrothermal conditions. <i>Ceramics International</i> , 2012, 38, 1807-1813.	4.8	33
51	Orientation-Dependent Lithium Miscibility Gap in LiFePO ₄ . <i>Chemistry of Materials</i> , 2018, 30, 874-878.	6.7	33
52	Two-Step Sintering of the Pure K _{0.5} Na _{0.5} NbO ₃ Lead-Free Piezoceramics and Its Piezoelectric Properties. <i>Ferroelectrics</i> , 2009, 392, 120-126.	0.6	32
53	Morphology variation of cadmium hydroxyapatite synthesized by high temperature mixing method under hydrothermal conditions. <i>Materials Chemistry and Physics</i> , 2009, 113, 239-243.	4.0	32
54	Full tensorial elastic, piezoelectric, and dielectric properties characterization of [011]-poled PZN-9%PT single crystal. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 1127-1130.	3.0	32

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55	Crystal orientation dependent optical transmittance and band gap of Na _{0.5} Bi _{0.5} TiO ₃ BaTiO ₃ single crystals. <i>Physica B: Condensed Matter</i> , 2016, 483, 44-47.	2.7	32
56	Multi-modal vibration control using a synchronized switch based on a displacement switching threshold. <i>Smart Materials and Structures</i> , 2009, 18, 035016.	3.5	31
57	Effective electro-optic coefficient of (1-x)Pb(Zn ^{1/3} Nb ^{2/3})O ₃ xPbTiO ₃ single crystals. <i>Crystal Research and Technology</i> , 2012, 47, 610-614.	1.3	31
58	High discharged energy density of polymer nanocomposites induced by Nd-doped BaTiO ₃ nanoparticles. <i>Journal of Materiomics</i> , 2018, 4, 44-50.	5.7	31
59	Hydrothermally synthesized barium titanate nanostructures from K ₂ Ti ₄ O ₉ precursors: Morphology evolution and its growth mechanism. <i>Materials Research Bulletin</i> , 2014, 57, 162-169.	5.2	30
60	Bundle-like NaV_2O_5 mesocrystals: from synthesis, growth mechanism to analysis of Na-ion intercalation/deintercalation abilities. <i>Nanoscale</i> , 2016, 8, 1975-1985.	5.6	30
61	Enhanced Actuation Response of Nafion-Based Ionic Polymer Metal Composites by Doping BaTiO ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12377-12384.	3.1	29
62	Synergic Enhancement of Energy Storage Density and Efficiency in MnO ₂ -Doped AgNbO ₃ @SiO ₂ Ceramics via A/B-Site Substitutions. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7052-7062.	8.0	29
63	Modeling and simulation of piezoelectric composite diaphragms for energy harvesting. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2009, 30, 95-106.	0.6	28
64	Construction of novel BiOCl/MoS ₂ nanocomposites with Z-scheme structure for enhanced photocatalytic activity. <i>Materials Letters</i> , 2018, 218, 110-114.	2.6	28
65	Hydrothermal synthesis and sintering of lanthanum chromite powders doped with calcium. <i>Solid State Ionics</i> , 2004, 172, 389-392.	2.7	27
66	Synthesis of potassium sodium niobate powders using an EDTA/citrate complexing sol-gel method. <i>Particuology</i> , 2012, 10, 777-782.	3.6	27
67	Electrochemical properties of Li ₂ MnO ₃ nanocrystals synthesized using a hydrothermal method. <i>RSC Advances</i> , 2015, 5, 71088-71094.	3.6	27
68	Hydrothermal synthesis and morphology variation of cadmium hydroxyapatite. <i>Journal of Solid State Chemistry</i> , 2004, 177, 4379-4385.	2.9	26
69	Wavelength dependence of refractive index in lead-free Na _{0.5} Bi _{0.5} TiO ₃ BaTiO ₃ single crystals. <i>Optical Materials</i> , 2014, 36, 2023-2025.	3.6	26
70	Synthesis and crystallographic study of Pb-Sr hydroxyapatite solid solutions by high temperature mixing method under hydrothermal conditions. <i>Materials Research Bulletin</i> , 2009, 44, 1392-1396.	5.2	25
71	Orientation effects on the bandgap and dispersion behavior of 0.91Pb(Zn ^{1/3} Nb ^{2/3})O ₃ -0.09PbTiO ₃ single crystals. <i>Chinese Physics B</i> , 2012, 21, 054207.	1.4	25
72	Effect of ZnO on the microstructure and electrical properties of (K _{0.5} Na _{0.5})NbO ₃ lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1083-1086.	2.2	25

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73	Low-temperature solid-state synthesis and optical properties of ZnO/CdS nanocomposites. <i>Journal of Alloys and Compounds</i> , 2015, 618, 67-72.	5.5	25
74	Green synthesis of high-performance LiFePO ₄ nanocrystals in pure water. <i>Green Chemistry</i> , 2018, 20, 5215-5223.	9.0	25
75	3D hierarchical porous sponge-like V ₂ O ₅ micro/nano-structures for high-performance Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 765, 901-906.	5.5	25
76	Semi-active vibration control using piezoelectric actuators in smart structures. <i>Frontiers of Mechanical Engineering in China</i> , 2009, 4, 242.	0.4	24
77	Multi-modal vibration control using amended disturbance observer compensation. <i>IET Control Theory and Applications</i> , 2012, 6, 72.	2.1	24
78	Phase transition, microstructure, and dielectric properties of Li/Ta/Sb co-doped (K, Na)NbO ₃ lead-free ceramics. <i>Ceramics International</i> , 2014, 40, 4389-4394.	4.8	24
79	Dielectric and energy storage performances of PVDF-based composites with colossal permittivity Nd-doped BaTiO ₃ nanoparticles as the filler. <i>AIP Advances</i> , 2017, 7, .	1.3	24
80	Composition and orientation dependence of high electric-field-induced strain in Pb(In _{1/2} Nb _{1/2})O ₃ –Pb(Mg _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ single crystals. <i>Journal of Applied Physics</i> , 2012, 112, 126102. ^{2.5}		23
81	Morphological and orientational diversity of LiFePO ₄ crystallites: remarkable reaction path dependence in hydrothermal/solvothermal syntheses. <i>CrystEngComm</i> , 2014, 16, 10112-10122.	2.6	23
82	Synthesis of (K, Na)NbO ₃ particles by high temperature mixing method under hydrothermal conditions. <i>Materials Letters</i> , 2010, 64, 77-79.	2.6	22
83	Effects of Sb-doping on the formation of (K, Na)(Nb, Sb)O ₃ solid solution under hydrothermal conditions. <i>Journal of Alloys and Compounds</i> , 2010, 493, 186-191.	5.5	21
84	Copper Phthalocyanine Oligomer Noncovalent Functionalized Graphene-Polyurethane Dielectric Elastomer Composites for Flexible Micro-Actuator. <i>Soft Materials</i> , 2015, 13, 210-218.	1.7	21
85	Flexible polyvinylidene fluoride based nanocomposites with high and stable piezoelectric performance over a wide temperature range utilizing the strong multi-interface effect. <i>Composites Science and Technology</i> , 2019, 174, 33-41.	7.8	21
86	Hydrothermal synthesized AgNbO ₃ powders: Leading to greatly improved electric breakdown strength in ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5589-5596.	5.7	21
87	Interlayer-expanded MoS ₂ nanosheets/nitrogen-doped carbon as a high-performance anode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155541.	5.5	20
88	Crystallographic study of lead-substituted hydroxyapatite synthesized by high-temperature mixing method under hydrothermal conditions. <i>Inorganica Chimica Acta</i> , 2010, 363, 1785-1790.	2.4	19
89	Study on the sintering mechanism of KNN-based lead-free piezoelectric ceramics. <i>Journal of Materials Science</i> , 2011, 46, 2345-2349.	3.7	19
90	Effect of CuO on dielectric and piezoelectric properties of (K _{0.4425} Na _{0.52} Li _{0.0375})(Nb _{0.87} Ta _{0.06} Sb _{0.07})O ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2012, 515, 128-133.	5.5	19

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91	Fabrication of BaTiO ₃ nanoparticles and its formation mechanism using the high temperature mixing method under hydrothermal conditions. <i>Advanced Powder Technology</i> , 2014, 25, 853-858.	4.1	19
92	Optimisation of conductivity of PEO/PVDF-based solid polymer electrolytes in all-solid-state Li-ion batteries. <i>Materials Technology</i> , 2022, 37, 240-247.	3.0	19
93	Uniform rotate hydrothermal synthesis of V ₆ O ₁₃ nanosheets as cathode material for lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160174.	5.5	19
94	Influence of sintering temperature on piezoelectric properties of (K _{0.4425} Na _{0.52} Li _{0.0375})(Nb _{0.8925} Sb _{0.07} Ta _{0.0375})O ₃ lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 1783-1787.	2.2	18
95	Low-temperature sintering and enhanced dielectric properties of alkali niobate ceramics prepared from solvothermally synthesized nanopowders. <i>Ceramics International</i> , 2017, 43, 1135-1144.	4.8	18
96	Influence of the phase transformation in Na _x CoO ₂ ceramics on thermoelectric properties. <i>Ceramics International</i> , 2018, 44, 17251-17257.	4.8	18
97	Effect of washing of barium titanate powders synthesized by hydrothermal method on their sinterability and piezoelectric properties. <i>Ceramics International</i> , 2009, 35, 1947-1951.	4.8	17
98	Effect of temperature on the crystalline phase and dielectric and ferroelectric properties of poly(vinylidene fluoride) film. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 858-864.	2.5	17
99	The constitutive equations of half coated metal core piezoelectric fiber. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2009, 29, 47-64.	0.6	16
100	Isopropanol-assisted hydrothermal synthesis of (K, Na)NbO ₃ piezoelectric ceramic powders. <i>Journal of Materials Science</i> , 2010, 45, 3311-3317.	3.7	16
101	Microstructure, temperature stability and electrical properties of ZnO-modified Pb(Ni _{1/3} Nb _{2/3})O ₃ –Pb(Fe _{1/2} Nb _{1/2})O ₃ –Pb(Zr _{0.3} Ti _{0.7})O ₃ piezoelectric ceramics. <i>Ceramics International</i> , 2013, 39, 9385-9390.	4.8	16
102	Rod-like NaNbO ₃ : mechanisms for stable solvothermal synthesis, temperature-mediated phase transitions and morphological evolution. <i>RSC Advances</i> , 2014, 4, 15104-15110.	3.6	16
103	High-temperature-mixing hydrothermal synthesis of ZnO nanocrystals with wide growth window. <i>Current Applied Physics</i> , 2014, 14, 359-365.	2.4	16
104	A metastable cubic phase of sodium niobate nanoparticles stabilized by chemically bonded solvent molecules. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33171-33179.	2.8	16
105	Study on compositions and changes of SEI film of Li ₂ MnO ₃ positive material during the cycles. <i>Catalysis Today</i> , 2016, 274, 116-122.	4.4	16
106	Synergic modulation of over-stoichiometrical MnO ₂ and SiO ₂ -coated particles on the energy storage properties of silver niobate-based ceramics. <i>Ceramics International</i> , 2021, 47, 19595-19604.	4.8	16
107	Co-precipitation synthesis and electrochemical properties of NASICON-type Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ solid electrolytes. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24834-24844.	2.2	16
108	3D poly(vinylidene fluoride–hexafluoropropylene) nanofiber-reinforced PEO-based composite polymer electrolyte for high-voltage lithium metal batteries. <i>Electrochimica Acta</i> , 2022, 404, 139769.	5.2	16

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109	Metal core piezoelectric ceramic fiber rosettes for acousto-ultrasonic source localization in plate structures. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010, 33, 865-873.	0.6	15
110	RESPONSE OF METAL CORE PIEZOELECTRIC FIBERS TO UNSTEADY AIRFLOWS. <i>Modern Physics Letters B</i> , 2010, 24, 1453-1456.	1.9	15
111	Enhanced electrical properties of multiwalled carbon nanotube/poly(vinylidene fluoride) films through a rolling process. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2126-2137.	2.2	15
112	Enhanced breakdown strength and energy density of multilayered P(VDF-HFP)/Nd-doped BaTiO ₃ nanofibers composites. <i>Chemical Engineering Journal</i> , 2022, 427, 131811.	12.7	15
113	Anisotropy electric and optical properties of PIMNT single crystal. <i>Journal of Nanophotonics</i> , 2018, 12, 1.	1.0	15
114	Sol-gel synthesis, characterization and microwave absorbing properties of nano sized spherical particles of La _{0.8} Sr _{0.2} Mn _{0.8} Fe _{0.2} O ₃ . <i>Materials Research Bulletin</i> , 2012, 47, 1961-1967.	5.2	14
115	Sol-hydrothermal synthesis and characterization of lead zirconate titanate fine particles. <i>Advanced Powder Technology</i> , 2013, 24, 212-217.	4.1	14
116	Investigation of phase diagram and electrical properties of xPb(Mg _{1/3} Nb _{2/3})O ₃ -(1-x)Pb(Zr _{0.4} Ti _{0.6})O ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3003-3009.	2.2	14
117	Experimental study and electromechanical model analysis of the nonlinear deformation behavior of IPMC actuators. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 382-393.	3.4	14
118	Flexible and Self-Standing Urchinlike V ₂ O ₃ @Carbon Nanofibers toward Ultralong Cycle Lifespan Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 3242-3251.	5.1	14
119	Tracking control of piezoelectric actuator system using inverse hysteresis model. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010, 33, 1555-1564.	0.6	13
120	Tantalum influence on electrical properties of lead-free (K _{0.4425} Na _{0.52} Li _{0.0375})(Nb _{0.93} -x Ta x Sb _{0.07})O ₃ piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 846-850.	2.2	13
121	Electrochemical properties of Li ₂ MnO ₃ nanowires with polycrystalline and monocrystalline states. <i>Journal of Alloys and Compounds</i> , 2016, 686, 496-502.	5.5	13
122	Improved sintering activity and piezoelectric properties of PZT ceramics from hydrothermally synthesized powders with Pb excess. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8573-8579.	2.2	13
123	Effects of surfactant and reaction time on the formation and photocatalytic performance of Cu ₂ S thin films grown in situ on Cu foil by hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2016, 685, 266-271.	5.5	13
124	Dielectric and energy storage properties of PVDF/Nd-BaTiO ₃ @Al ₂ O ₃ composite films. <i>Functional Materials Letters</i> , 2019, 12, 1950034.	1.2	13
125	Phase evolution of (K, Na)NbO ₃ powder prepared by high temperature mixing under hydrothermal conditions. <i>Particuology</i> , 2010, 8, 477-481.	3.6	12
126	One-Step Surfactant-Free Hydrothermal Synthesis of Platelike Sodium Niobate Template Powders. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3360-3362.	3.8	12

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127	Microwave-assisted sol-gel hydrothermal synthesis of tetragonal barium titanate nanoparticles with hollow morphologies. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1597-1601.	2.2	12
128	Insight into influence of conducting polymer functionalized graphene on electromechanical activity of polyurethane-based intelligent shape-changing composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3730-3738.	2.2	12
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