

Yang Shen

List of Publications by Year in descending order

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9506
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#	ARTICLE	IF	CITATIONS
1	Hybrid Monte Carlo-Diffusion Studies of Modeling Self-Heating in Ballistic-Diffusive Regime for Gallium Nitride HEMTs. Journal of Electronic Packaging, Transactions of the ASME, 2023, 145, .	1.8	9
2	Highly Sensitive Strain Sensor from Topologicalâ€Structure Modulated Dielectric Elastic Nanocomposites. Advanced Materials Technologies, 2022, 7, 2101190.	5.8	5
3	NiFe Layered Double Hydroxides Grown on a Corrosionâ€Cell Cathode for Oxygen Evolution Electrocatalysis. Advanced Energy Materials, 2022, 12, 2102372.	19.5	51
4	NiFe Layered Double Hydroxides Grown on a Corrosionâ€Cell Cathode for Oxygen Evolution Electrocatalysis (Adv. Energy Mater. 2/2022). Advanced Energy Materials, 2022, 12, .	19.5	6
5	Machine learning in energy storage materials. , 2022, 1, 175-195.		45
6	Optical Vector Vortex Generation by Spherulites with Cylindrical Anisotropy. Nano Letters, 2022, 22, 2444-2449.	9.1	5
7	Concurrently enhanced mechanical properties and capacitive performance in all-organic dielectric polymer blend via phase separation. Journal of Applied Physics, 2022, 131, .	2.5	3
8	An Optical/Ferroelectric Multiplexing Multidimensional Nonvolatile Memory from Ferroelectric Polymer. Advanced Materials, 2022, 34, e2202181.	21.0	15
9	Spectral Thermal Spreading Resistance of Wide-Bandgap Semiconductors in Ballistic-Diffusive Regime. IEEE Transactions on Electron Devices, 2022, 69, 3047-3054.	3.0	13
10	Super Longâ€Cycling Allâ€Solidâ€State Battery with Thin Li₆PS₅Clâ€Based Electrolyte. Advanced Energy Materials, 2022, 12, .	19.5	58
11	Excellent Stability in Polyetherimide/SiO₂ Nanocomposites with Ultrahigh Energy Density and Discharge Efficiency at High Temperature. Small, 2022, 18, .	10.0	54
12	A pyrotoroidic transition in ferroelectric polymer. Matter, 2022, 5, 3041-3052.	10.0	4
13	Remote Tuning of Builtâ€In Magnetolectric Microenvironment to Promote Bone Regeneration by Modulating Cellular Exposure to Arginylglycylaspartic Acid Peptide. Advanced Functional Materials, 2021, 31, 2006226.	14.9	33
14	High-temperature electrical energy storage performances of dipolar glass polymer nanocomposites filled with trace ultrafine nanoparticles. Chemical Engineering Journal, 2021, 420, 127614.	12.7	33
15	Regulating dielectric performances of Poly(vinylidene fluoride) nanocomposites by individually controlling shell thickness of Core@Doubleâ€Shells structured nanowires. IET Nanodielectrics, 2021, 4, 11-20.	4.1	5
16	Toroidal polar topology in strained ferroelectric polymer. Science, 2021, 371, 1050-1056.	12.6	74
17	C4+ Surrogate Models for Thermophysical Properties of Aviation Kerosene RP-3 at Supercritical Pressures. Energy & Fuels, 2021, 35, 7858-7865.	5.1	7
18	Tunnel elasticity enhancement effect of 3D submicron ceramics (Al2O3, TiO2, ZrO2) fiber on polydimethylsiloxane (PDMS). Journal of Advanced Ceramics, 2021, 10, 502-508.	17.4	7

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19	Lithium Argyrodite as Solid Electrolyte and Cathode Precursor for Solid-State Batteries with Long Cycle Life. <i>Advanced Energy Materials</i> , 2021, 11, 2101370.	19.5	56
20	Designing polymer nanocomposites with high energy density using machine learning. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	39
21	Enhanced electric resistivity and dielectric energy storage by vacancy defect complex. <i>Energy Storage Materials</i> , 2021, 42, 836-844.	18.0	24
22	Kernel Product Neural Networks. <i>IEEE Access</i> , 2021, 9, 167076-167083.	4.2	1
23	Free-standing sulfide/polymer composite solid electrolyte membranes with high conductance for all-solid-state lithium batteries. <i>Energy Storage Materials</i> , 2020, 25, 145-153.	18.0	85
24	Dual-ion hybrid supercapacitor: Integration of Li-ion hybrid supercapacitor and dual-ion battery realized by porous graphitic carbon. <i>Journal of Energy Chemistry</i> , 2020, 42, 180-184.	12.9	39
25	Interfacial effects of BaTiO ₃ @TiO ₂ nanofibers on dielectric relaxation processes of P(VDF-TrFE-CFE) nanocomposites. <i>Ceramics International</i> , 2020, 46, 1119-1123.	4.8	9
26	High-conductivity free-standing Li ₆ PS ₅ Cl/poly(vinylidene difluoride) composite solid electrolyte membranes for lithium-ion batteries. <i>Journal of Materiomics</i> , 2020, 6, 70-76.	5.7	51
27	Significantly increased energy density and discharge efficiency at high temperature in polyetherimide nanocomposites by a small amount of Al ₂ O ₃ nanoparticles. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24536-24542.	10.3	98
28	Three-dimensional structured asymmetric electrolytes for high interface stability and fast Li-ion transport in solid-state Li-metal batteries. <i>Materials Today Energy</i> , 2020, 18, 100522.	4.7	19
29	Topologically distributed one-dimensional TiO ₂ nanofillers maximize the dielectric energy density in a P(VDF-HFP) nanocomposite. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18244-18253.	10.3	18
30	Tuning Porosity of Reduced Graphene Oxide Membrane Materials by Alkali Activation. <i>Nanomaterials</i> , 2020, 10, 2093.	4.1	14
31	High-throughput data-driven interface design of high-energy-density polymer nanocomposites. <i>Journal of Materiomics</i> , 2020, 6, 573-581.	5.7	18
32	Colossal thermoelectric enhancement in Cu _{2+x} Zn _{1-x} Sn ₄ solid solution by local disordering of crystal lattice and multi-scale defect engineering. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10909-10916.	10.3	27
33	Negatively Charged Nanosheets Significantly Enhance the Energy Storage Capability of Polymer-Based Nanocomposites. <i>Advanced Materials</i> , 2020, 32, e1907227.	21.0	156
34	High Cycling Stability for Solid-State Li Metal Batteries via Regulating Solvation Effect in Poly(Vinylidene Fluoride)-Based Electrolytes. <i>Batteries and Supercaps</i> , 2020, 3, 876-883.	4.7	84
35	An All-Scale Hierarchical Architecture Induces Colossal Room-Temperature Electrocaloric Effect at Ultralow Electric Field in Polymer Nanocomposites. <i>Advanced Materials</i> , 2020, 32, e1907927.	21.0	34
36	Blow-spun N-doped carbon fiber based high performance flexible lithium ion capacitors. <i>RSC Advances</i> , 2020, 10, 9833-9839.	3.6	3

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37	An alternating multilayer architecture boosts ultrahigh energy density and high discharge efficiency in polymer composites. <i>RSC Advances</i> , 2020, 10, 5886-5893.	3.6	19
38	Response to Comment on "Self-Suppression of Lithium Dendrite in All-Solid-State Lithium Metal Batteries with Poly(vinylidene difluoride)-Based Solid Electrolytes". <i>Advanced Materials</i> , 2020, 32, e2000026.	21.0	40
39	Ultrathin Li ₇ La ₃ Zr ₂ O ₁₂ @PAN composite polymer electrolyte with high conductivity for all-solid-state lithium-ion battery. <i>Solid State Ionics</i> , 2020, 347, 115227.	2.7	42
40	Solvent-Free Synthesis of Thin, Flexible, Nonflammable Garnet-Based Composite Solid Electrolyte for All-Solid-State Lithium Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1903376.	19.5	284
41	Structure design boosts concomitant enhancement of permittivity, breakdown strength, discharged energy density and efficiency in all-organic dielectrics. <i>IET Nanodielectrics</i> , 2020, 3, 147-155.	4.1	13
42	Interfacial Coupling Boosts Giant Electrocaloric Effects in Relaxor Polymer Nanocomposites: In Situ Characterization and Phase-Field Simulation. <i>Advanced Materials</i> , 2019, 31, e1801949.	21.0	60
43	Enhancements of dielectric and energy storage performances in lead-free films with sandwich architecture. <i>Journal of the American Ceramic Society</i> , 2019, 102, 936-943.	3.8	37
44	Ultrahigh-energy density lead-free dielectric films via polymorphic nanodomain design. <i>Science</i> , 2019, 365, 578-582.	12.6	662
45	High-performance Li ₆ PS ₅ Cl-based all-solid-state lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18612-18618.	10.3	40
46	A Ferroconcrete-Like All-Organic Nanocomposite Exhibiting Improved Mechanical Property, High Breakdown Strength, and High Energy Efficiency. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900433.	3.6	17
47	An in Situ-Formed Mosaic Li ₇ Sn ₃ /LiF Interface Layer for High-Rate and Long-Life Garnet-Based Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34939-34947.	8.0	66
48	Microstructure Manipulation for Enhancing the Resistance of Garnet-Type Solid Electrolytes to "Short Circuit" by Li Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5928-5937.	8.0	49
49	High-Energy-Density Ferroelectric Polymer Nanocomposites for Capacitive Energy Storage: Enhanced Breakdown Strength and Improved Discharge Efficiency. <i>Materials Today</i> , 2019, 29, 49-67.	14.2	262
50	Polymer-infiltrated layered silicates for dental restorative materials. <i>Rare Metals</i> , 2019, 38, 1003-1014.	7.1	5
51	Phase-separation-driven formation of Nickel-Cobalt oxide nanotubes as high-capacity anode materials for lithium-ion batteries. <i>Materials Research Letters</i> , 2019, 7, 368-375.	8.7	3
52	Synergy of micro-/mesoscopic interfaces in multilayered polymer nanocomposites induces ultrahigh energy density for capacitive energy storage. <i>Nano Energy</i> , 2019, 62, 220-229.	16.0	144
53	Phase-field modeling and machine learning of electric-thermal-mechanical breakdown of polymer-based dielectrics. <i>Nature Communications</i> , 2019, 10, 1843.	12.8	174
54	Polymer Nanocomposites: Polymer Nanocomposites with Interpenetrating Gradient Structure Exhibiting Ultrahigh Discharge Efficiency and Energy Density (<i>Adv. Energy Mater.</i> 15(2019)). <i>Advanced Energy Materials</i> , 2019, 9, 1970047.	19.5	4

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55	Non-intuitive concomitant enhancement of dielectric permittivity, breakdown strength and energy density in percolative polymer nanocomposites by trace Ag nanodots. Journal of Materials Chemistry A, 2019, 7, 15198-15206.	10.3	61
56	Domain growth dynamics in PMN-PT ferroelectric thin films. Journal of Materials Science, 2019, 54, 10600-10608.	3.7	3
57	Enhanced electrocaloric strength in P(VDF-TrFE-CFE) by decreasing the crystalline size. Journal of Materiomics, 2019, 5, 357-362.	5.7	18
58	Self-Assembly of Lithium Dendrite in All-Solid-State Lithium Metal Batteries with Poly(vinylidene fluoride) Nanoparticles. Journal of Materials Chemistry A, 2019, 7, 10000-10008.	21.0	293
59	Polymer Nanocomposites with Interpenetrating Gradient Structure Exhibiting Ultrahigh Discharge Efficiency and Energy Density. Advanced Energy Materials, 2019, 9, 1803411.	19.5	132
60	Enhanced electrocaloric strength of P(VDF-TrFE-CFE) induced by edge-on lamellae. Journal of Materials Chemistry C, 2019, 7, 3212-3217.	5.5	11
61	Modulating interfacial charge distribution and compatibility boosts high energy density and discharge efficiency of polymer nanocomposites. RSC Advances, 2019, 9, 35990-35997.	3.6	12
62	Ultrahigh discharge efficiency in multilayered polymer nanocomposites of high energy density. Energy Storage Materials, 2019, 18, 213-221.	18.0	125
63	Flexible Robust and High-Density FeRAM from Array of Organic Ferroelectric Nano-Lamellae by Self-Assembly. Advanced Science, 2019, 6, 1801931.	11.2	37
64	High Capacity and Superior Cyclic Performances of All-Solid-State Lithium Batteries Enabled by a Glass-Ceramics Solo. ACS Applied Materials & Interfaces, 2018, 10, 10029-10035.	8.0	37
65	Modulating Surface Potential by Controlling the β Phase Content in Poly(vinylidene fluoride) Nanocomposites. Journal of Materials Chemistry A, 2018, 7, e1701466.	7.6	62
66	Phase-Field Model of Electrothermal Breakdown in Flexible High-Temperature Nanocomposites under Extreme Conditions. Advanced Energy Materials, 2018, 8, 1800509.	19.5	90
67	Tunable photoelectric response in NiO-based heterostructures by various orientations. Applied Physics Letters, 2018, 112, .	3.3	3
68	High electrocaloric cooling power of relaxor ferroelectric BaZrTi ₂ O ₇ ceramics within broad temperature range. Science Bulletin, 2018, 63, 356-361.	9.0	25
69	Generation of hydrogen under visible light irradiation with enhanced photocatalytic activity of Bi ₂ WO ₆ /Cu _{1.8} Se for organic pollutants under Vis-NIR light reign. Journal of the American Ceramic Society, 2018, 101, 3015-3025.	3.8	19
70	Polymer Nanocomposites with Ultrahigh Energy Density and High Discharge Efficiency by Modulating their Nanostructures in Three Dimensions. Advanced Materials, 2018, 30, e1707269.	21.0	226
71	High energy density and efficiency achieved in nanocomposite film capacitors via structure modulation. Applied Physics Letters, 2018, 112, .	3.3	34
72	High-Throughput Phase-Field Design of High-Energy-Density Polymer Nanocomposites. Advanced Materials, 2018, 30, 1704380.	21.0	254

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73	Enhanced electrochemical performance of bulk type oxide ceramic lithium batteries enabled by interface modification. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4649-4657.	10.3	98
74	High-performance all-solid-state lithium-sulfur batteries with sulfur/carbon nano-hybrids in a composite cathode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23345-23356.	10.3	48
75	High-Conductivity Argyrodite $\text{Li}_6\text{PS}_5\text{Cl}$ Solid Electrolytes Prepared via Optimized Sintering Processes for All-Solid-State Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42279-42285.	8.0	170
76	Refreshing Piezoelectrics: Distinctive Role of Manganese in Lead-Free Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37298-37306.	8.0	36
77	Effects of $\text{Li}_{6.75}\text{La}_3\text{Zr}_{1.75}\text{Ta}_{0.25}\text{O}_{12}$ on chemical and electrochemical properties of polyacrylonitrile-based solid electrolytes. <i>Solid State Ionics</i> , 2018, 327, 32-38.	2.7	55
78	Lithium-Salt-Rich $\text{PEO/Li}_{0.3}\text{La}_{0.557}\text{TiO}_3$ Interpenetrating Composite Electrolyte with Three-Dimensional Ceramic Nano-Backbone for All-Solid-State Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24791-24798.	8.0	230
79	Large energy density at high-temperature and excellent thermal stability in polyimide nanocomposite contained with small loading of BaTiO_3 nanofibers. <i>Applied Surface Science</i> , 2018, 458, 743-750.	6.1	126
80	Bismuth Oxysulfide and Its Polymer Nanocomposites for Efficient Purification. <i>Materials</i> , 2018, 11, 447.	2.9	2
81	Giant energy density and high efficiency achieved in bismuth ferrite-based film capacitors via domain engineering. <i>Nature Communications</i> , 2018, 9, 1813.	12.8	408
82	High-performance sodium-ion hybrid capacitors based on an interlayer-expanded MoS_2/rGO composite: surpassing the performance of lithium-ion capacitors in a uniform system. <i>NPG Asia Materials</i> , 2018, 10, 775-787.	7.9	71
83	Superior Energy Storage Performances of Polymer Nanocomposites via Modification of Filler/Polymer Interfaces. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800096.	3.7	170
84	$\text{BiFeO}_3/\text{SrTiO}_3$ thin film as a new lead-free relaxor-ferroelectric capacitor with ultrahigh energy storage performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5920-5926.	10.3	218
85	Addressing the Interface Issues in All-Solid-State Bulk-Type Lithium Ion Battery via an All-Composite Approach. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9654-9661.	8.0	139
86	The Gadolinium (Gd^{3+}) and Tin (Sn^{4+}) Co-doped BiFeO_3 Nanoparticles as New Solar Light Active Photocatalyst. <i>Scientific Reports</i> , 2017, 7, 42493.	3.3	115
87	Facial Synthesis and Photoreaction Mechanism of $\text{BiFeO}_3/\text{Bi}_2\text{Fe}_4\text{O}_9$ Heterojunction Nanofibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4630-4636.	6.7	96
88	Polymer nanocomposite dielectrics for electrical energy storage. <i>National Science Review</i> , 2017, 4, 23-25.	9.5	93
89	Synergistic effect of processing and composition x on conductivity of $x\text{Li}_2\text{S}-(100-x)\text{P}_2\text{S}_5$ electrolytes. <i>Solid State Ionics</i> , 2017, 305, 1-6.	2.7	37
90	Mechanical properties of polymer-infiltrated-ceramic (sodium aluminum silicate) composites for dental restoration. <i>Journal of Dentistry</i> , 2017, 62, 91-97.	4.1	24

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91	Self-etching Ni@Co hydroxides@Ni-Cu nanowire arrays with enhancing ultrahigh areal capacitance for flexible thin-film supercapacitors. <i>Rare Metals</i> , 2017, 36, 691-697.	7.1	10
92	Enhanced lithium-ion conductivity in a LiZr ₂ (PO ₄) ₃ solid electrolyte by Al doping. <i>Ceramics International</i> , 2017, 43, S598-S602.	4.8	37
93	Ultrathin N-doped carbon-coated TiO ₂ coaxial nanofibers as anodes for lithium ion batteries. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2939-2947.	3.8	14
94	All-solid-state lithium battery with high capacity enabled by a new way of composite cathode design. <i>Solid State Ionics</i> , 2017, 310, 44-49.	2.7	12
95	Space charge effects on the dielectric response of polymer nanocomposites. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	31
96	Synergistic Coupling between Li _{6.75} La ₃ Zr _{1.75} Ta _{0.25} O ₁₂ and Poly(vinylidene fluoride) Induces High Ionic Conductivity, Mechanical Strength, and Thermal Stability of Solid Composite Electrolytes. <i>Journal of the American Chemical Society</i> , 2017, 139, 13779-13785.	13.7	698
97	Garnet-type oxide electrolyte with novel porous-dense bilayer configuration for rechargeable all-solid-state lithium batteries. <i>Ionics</i> , 2017, 23, 2521-2527.	2.4	50
98	High Capacity, Superior Cyclic Performances in All-Solid-State Lithium-Ion Batteries Based on 78Li ₂ S ₂₂ P ₂ S ₅ Glass-Ceramic Electrolytes Prepared via Simple Heat Treatment. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28542-28548.	8.0	49
99	Tuning Phase Composition of Polymer Nanocomposites toward High Energy Density and High Discharge Efficiency by Nonequilibrium Processing. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29717-29731.	8.0	81
100	A surface-modified TiO ₂ nanorod array/P(VDF-HFP) dielectric capacitor with ultra high energy density and efficiency. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12777-12784.	5.5	65
101	Dielectric and energy storage performances of polyimide/BaTiO ₃ nanocomposites at elevated temperatures. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	98
102	Band-Gap Engineering and Enhanced Photocatalytic Activity of Sm and Mn Doped BiFeO ₃ Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2017, 100, 31-40.	3.8	117
103	Enhanced Photocatalytic Performance under Visible and Near-Infrared Irradiation of Cu _{1.8} Se/Cu ₃ Se ₂ Composite via a Phase Junction. <i>Nanomaterials</i> , 2017, 7, 19.	4.1	29
104	Polymer Nanocomposites Dielectrics for Energy Applications. <i>Engineering Materials and Processes</i> , 2017, , 511-534.	0.4	1
105	Well-Dispersed Co/CoO/C Nanospheres with Tunable Morphology as High-Performance Anodes for Lithium Ion Batteries. <i>Materials</i> , 2016, 9, 955.	2.9	0
106	Nanocomposite Membranes Enhance Bone Regeneration Through Restoring Physiological Electric Microenvironment. <i>ACS Nano</i> , 2016, 10, 7279-7286.	14.6	208
107	Visible Light Photocatalytic Activity of Bismuth Ferrites Tuned by Bi/Fe Ratio. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1133-1136.	3.8	19
108	Thickness-dependent dielectric and energy storage properties of (Pb _{0.96} La _{0.04})(Zr _{0.98} Ti _{0.02})O ₃ antiferroelectric thin films. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	52

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109	High energy density of polymer nanocomposites at a low electric field induced by modulation of their topological-structure. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8359-8365.	10.3	137
110	Achieving High Energy Density in PVDF-Based Polymer Blends: Suppression of Early Polarization Saturation and Enhancement of Breakdown Strength. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27236-27242.	8.0	158
111	Mesoporous template-free gyroid-like nanostructures based on La and Mn co-doped bismuth ferrites with improved photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 114183-114189.	3.6	23
112	Enhanced breakdown strength and suppressed leakage current of polyvinylidene fluoride nanocomposites by two-dimensional ZrO ₂ /nanosheets. <i>Materials Express</i> , 2016, 6, 277-282.	0.5	41
113	Giant Energy Density and Improved Discharge Efficiency of Solution-Processed Polymer Nanocomposites for Dielectric Energy Storage. <i>Advanced Materials</i> , 2016, 28, 2055-2061.	21.0	534
114	Chemical compatibility between garnet-like solid state electrolyte Li _{6.75} La ₃ Zr _{1.75} Ta _{0.25} O ₁₂ and major commercial lithium battery cathode materials. <i>Journal of Materiomics</i> , 2016, 2, 256-264.	5.7	96
115	Achieving high capacity in bulk-type solid-state lithium ion battery based on Li _{6.75} La ₃ Zr _{1.75} Ta _{0.25} O ₁₂ electrolyte: Interfacial resistance. <i>Journal of Power Sources</i> , 2016, 324, 349-357.	7.8	154
116	Polymer nanocomposites with high energy storage densities. <i>MRS Bulletin</i> , 2015, 40, 753-759.	3.5	99
117	Robust CaZrO ₃ -modified (K, Na)NbO ₃ -based lead-free piezoceramics: High fatigue resistance insensitive to temperature and electric field. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	19
118	Tunable magnetic and electrical behaviors in perovskite oxides by oxygen octahedral tilting. <i>Science China Materials</i> , 2015, 58, 302-312.	6.3	36
119	Large d_{33} and enhanced ferroelectric/dielectric properties of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 nanofibers. <i>RSC Advances</i> , 2015, 5, 51302-51307.	3.6	33
120	Polymer-Based Dielectrics with High Energy Storage Density. <i>Annual Review of Materials Research</i> , 2015, 45, 433-458.	9.3	513
121	Optimizing direct magnetoelectric coupling in Pb(Zr,Ti)O ₃ /Ni multiferroic film heterostructures. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	56
122	Low-dimensional nanostructured photocatalysts. <i>Journal of Advanced Ceramics</i> , 2015, 4, 159-182.	17.4	31
123	Modulation of topological structure induces ultrahigh energy density of graphene/Ba _{0.6} Sr _{0.4} TiO ₃ nanofiber/polymer nanocomposites. <i>Nano Energy</i> , 2015, 18, 176-186.	16.0	136
124	Ultrahigh Energy Density of Polymer Nanocomposites Containing BaTiO ₃ @TiO ₂ Nanofibers by Atomic-Scale Interface Engineering. <i>Advanced Materials</i> , 2015, 27, 819-824.	21.0	503
125	Effects of Li source on microstructure and ionic conductivity of Al-contained Li _{6.75} La ₃ Zr _{1.75} Ta _{0.25} O ₁₂ ceramics. <i>Journal of the European Ceramic Society</i> , 2015, 35, 561-572.	5.7	101
126	Photocatalytic and magnetic behaviors of BiFeO ₃ thin films deposited on different substrates. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	25

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127	Magnetic and Photocatalytic Behaviors of Ba-Doped BiFeO ₃ Nanofibers. International Journal of Applied Ceramic Technology, 2014, 11, 676-680.	2.1	15
128	Preparation and electrochemical properties of Zr-site substituted Li ₇ La ₃ (Zr ₂ ~ ^x M _x)O ₁₂ (M=Ta, Nb) solid electrolytes. Journal of Power Sources, 2014, 261, 206-211.	7.8	61
129	Dielectric and Ferroelectric Properties of BaTiO ₃ Nanofibers Prepared via Electrospinning. Journal of Materials Science and Technology, 2014, 30, 743-747.	10.7	42
130	Topological Structure Modulated Polymer Nanocomposites Exhibiting Highly Enhanced Dielectric Strength and Energy Density. Advanced Functional Materials, 2014, 24, 3172-3178.	14.9	371
131	Bandgap engineering and enhanced interface coupling of graphene-BiFeO ₃ nanocomposites as efficient photocatalysts under visible light. Journal of Materials Chemistry A, 2014, 2, 1967-1973.	10.3	87
132	Sol-gel derived Li-La-Zr-O thin films as solid electrolytes for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 13277.	10.3	84
133	Hierarchical interfaces induce high dielectric permittivity in nanocomposites containing TiO ₂ @BaTiO ₃ nanofibers. Nanoscale, 2014, 6, 6701-6709.	5.6	115
134	High capacity and rate performance of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ composite cathode for bulk-type all-solid-state lithium battery. Journal of Materials Chemistry A, 2014, 2, 13332.	10.3	25
135	Enhancement of thermoelectric properties by atomic-scale percolation in digenite Cu _x S. Journal of Materials Chemistry A, 2014, 2, 9486-9489.	10.3	48
136	Effect of calcining and Al doping on structure and conductivity of Li ₇ La ₃ Zr ₂ O ₁₂ . Solid State Ionics, 2014, 265, 7-12.	2.7	67
137	High-energy-density dielectric films based on polyvinylidene fluoride and aromatic polythiourea for capacitors. Journal of Materials Chemistry A, 2014, 2, 15803-15807.	10.3	84
138	High capacity and cyclic performance in a three-dimensional composite electrode filled with inorganic solid electrolyte. Journal of Power Sources, 2014, 249, 306-310.	7.8	31
139	X-ray absorption near-edge spectroscopy study on Ge-doped Li ₇ La ₃ Zr ₂ O ₁₂ : enhanced ionic conductivity and defect chemistry. Electrochimica Acta, 2014, 115, 581-586.	5.2	33
140	Photocatalytic behaviors observed in Ba and Mn doped BiFeO ₃ nanofibers. Journal of Electroceramics, 2013, 31, 271-274.	2.0	27
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