

Qing Wang

List of Publications by Year in descending order

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248
papers

22,360
citations

7096

78
h-index

9589

142
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249
all docs

249
docs citations

249
times ranked

11895
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly stretchable liquid-metal based strain sensor with high sensitivity for human activity monitoring. Materials Letters, 2022, 308, 131277.	2.6	10
2	Ferroelectric polymer composites for capacitive energy storage. , 2022, , 477-502.		0
3	Ferroelectric polymers for energy harvesting. , 2022, , 503-533.		0
4	Perspective on scalable high-energy-density polymer dielectrics with ultralow loadings of inorganic nanofillers. Applied Physics Letters, 2022, 120, .	3.3	9
5	Ferroelectric Polymer Nanofibers Reminiscent of Morphotropic Phase Boundary Behavior for Improved Piezoelectric Energy Harvesting. Small, 2022, 18, e2104472.	10.0	16
6	Enhanced Piezoelectricity in Poly(vinylidene fluoride-co-trifluoroethylene)-trifluoroethylene Mixed Ferroelectric Phases. Macromolecules, 2022, 55, 2703-2713.	4.8	5
7	Dielectric materials for electrical energy storage. Journal of Materiomics, 2022, 8, 1287-1289.	5.7	6
8	Significantly enhancing the discharge efficiency of sandwich-structured polymer dielectrics at elevated temperature by building carrier blocking interface. Nano Energy, 2022, 97, 107215.	16.0	62
9	Scalable graphene fluoride sandwiched aramid nanofiber paper with superior high-temperature capacitive energy storage. Chemical Engineering Journal, 2022, 444, 136504.	12.7	7
10	Ferroelectric Polymer Nanofibers Reminiscent of Morphotropic Phase Boundary Behavior for Improved Piezoelectric Energy Harvesting (Small 15/2022). Small, 2022, 18, .	10.0	1
11	Recent progress on dielectric polymers and composites for capacitive energy storage. , 2022, 1, 50-71.		14
12	Enhancing high-temperature capacitor performance of polymer nanocomposites by adjusting the energy level structure in the micro-/meso-scopic interface region. Nano Energy, 2022, 99, 107314.	16.0	45
13	Response to Comment on “Improper molecular ferroelectrics with simultaneous ultrahigh pyroelectricity and figures of merit”. Science Advances, 2022, 8, .	10.3	0
14	Largely enhanced dielectric properties of polymer composites with HfO ₂ nanoparticles for high-temperature film capacitors. Composites Science and Technology, 2021, 201, 108528.	7.8	121
15	Dielectric polymers for high-temperature capacitive energy storage. Chemical Society Reviews, 2021, 50, 6369-6400.	38.1	262
16	Free volume dependence of dielectric behaviour in sandwich-structured high dielectric performances of poly(vinylidene fluoride) composite films. Nanoscale, 2021, 13, 300-310.	5.6	26
17	Ultrahigh charge-discharge efficiency and enhanced energy density of the sandwiched polymer nanocomposites with poly(methyl methacrylate) layer. Composites Science and Technology, 2021, 202, 108591.	7.8	43
18	Significantly enhancing the dielectric constant and breakdown strength of linear dielectric polymers by utilizing ultralow loadings of nanofillers. Journal of Materials Chemistry A, 2021, 9, 23028-23036.	10.3	54

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19	Relaxor Ferroelectric Polymers: Insight into High Electrical Energy Storage Properties from a Molecular Perspective. <i>Small Science</i> , 2021, 1, 2000061.	9.9	26
20	Self-Powered Rewritable Electrochromic Display based on WO _{3-x} Film with Mechanochemically Synthesized MoO ₃ Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20326-20335.	8.0	46
21	Soft liquid-metal/elastomer foam with compression-adjustable thermal conductivity and electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , 2021, 410, 128288.	12.7	85
22	High-Temperature High-Energy-Density Dielectric Polymer Nanocomposites Utilizing Inorganic Core-Shell Nanostructured Nanofillers. <i>Advanced Energy Materials</i> , 2021, 11, 2101297.	19.5	130
23	A Facile In Situ Surface-Functionalization Approach to Scalable Laminated High-Temperature Polymer Dielectrics with Ultrahigh Capacitive Performance. <i>Advanced Functional Materials</i> , 2021, 31, 2102644.	14.9	117
24	Significant Improvements in Dielectric Constant and Energy Density of Ferroelectric Polymer Nanocomposites Enabled by Ultralow Contents of Nanofillers. <i>Advanced Materials</i> , 2021, 33, e2102392.	21.0	102
25	Hydrogel Ionic Diodes toward Harvesting Ultralow-Frequency Mechanical Energy. <i>Advanced Materials</i> , 2021, 33, e2103056.	21.0	48
26	Ultrahigh Energy Storage Performance of Layered Polymer Nanocomposites over a Broad Temperature Range. <i>Advanced Materials</i> , 2021, 33, e2103338.	21.0	96
27	Molecular Ferroelectric-Based Flexible Sensors Exhibiting Supersensitivity and Multimodal Capability for Detection. <i>Advanced Materials</i> , 2021, 33, e2104107.	21.0	29
28	Flexoelectric-boosted piezoelectricity of BaTiO ₃ @SrTiO ₃ core-shell nanostructure determined by multiscale simulations for flexible energy harvesters. <i>Nano Energy</i> , 2021, 89, 106469.	16.0	23
29	Improper molecular ferroelectrics with simultaneous ultrahigh pyroelectricity and figures of merit. <i>Science Advances</i> , 2021, 7, .	10.3	32
30	Enabling High-Energy-Density High-Efficiency Ferroelectric Polymer Nanocomposites with Rationally Designed Nanofillers. <i>Advanced Functional Materials</i> , 2021, 31, .	14.9	80
31	Integrated Ultrafine Co _{0.85} Se in Carbon Nanofibers: An Efficient and Robust Bifunctional Catalyst for Oxygen Electrocatalysis. <i>Chemistry - A European Journal</i> , 2020, 26, 4063-4069.	3.3	25
32	Gradient-layered polymer nanocomposites with significantly improved insulation performance for dielectric energy storage. <i>Energy Storage Materials</i> , 2020, 24, 626-634.	18.0	137
33	High energy storage density of tetragonal PBLZST antiferroelectric ceramics with enhanced dielectric breakdown strength. <i>Ceramics International</i> , 2020, 46, 3921-3926.	4.8	23
34	Ternary polymer nanocomposites with concurrently enhanced dielectric constant and breakdown strength for high-temperature electrostatic capacitors. <i>Informa-Materially</i> , 2020, 2, 389-400.	17.3	114
35	Fluorous effect-induced emission of azido substituted poly(vinylidene fluoride) with high photostability and film formation. <i>Polymer Chemistry</i> , 2020, 11, 1307-1313.	3.9	17
36	Significantly improved breakdown strength and energy density of tri-layered polymer nanocomposites with optimized graphene oxide. <i>Composites Science and Technology</i> , 2020, 186, 107912.	7.8	43

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37	High efficiency and selectivity from synergy: Bi nanoparticles embedded in nitrogen doped porous carbon for electrochemical reduction of CO ₂ to formate. <i>Electrochimica Acta</i> , 2020, 334, 135563.	5.2	37
38	Autonomous Self-Healing of Electrical Degradation in Dielectric Polymers Using In Situ Electroluminescence. <i>Matter</i> , 2020, 2, 451-463.	10.0	63
39	Review of ionic liquids containing, polymer/inorganic hybrid electrolytes for lithium metal batteries. <i>Materials and Design</i> , 2020, 190, 108563.	7.0	111
40	Multiscale structural engineering of dielectric ceramics for energy storage applications: from bulk to thin films. <i>Nanoscale</i> , 2020, 12, 17165-17184.	5.6	131
41	Bi-layer-Structured Polymer Nanocomposites Exhibiting High Breakdown Strength and Energy Density via Interfacial Barrier Design. <i>ACS Applied Energy Materials</i> , 2020, 3, 8055-8063.	5.1	32
42	Large Quadratic Electro-Optic Effect of the PLZT Thin Films for Optical Communication Integrated Devices. <i>ACS Photonics</i> , 2020, 7, 3166-3176.	6.6	6
43	In situ exsolved Co nanoparticles coupled on LiCoO ₂ nanofibers to induce oxygen electrocatalysis for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19946-19953.	10.3	27
44	Lightweight Porous Polystyrene with High Thermal Conductivity by Constructing 3D Interconnected Network of Boron Nitride Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46767-46778.	8.0	85
45	Recent progress in polymer dielectrics containing boron nitride nanosheets for high energy density capacitors. <i>High Voltage</i> , 2020, 5, 365-376.	4.7	60
46	Structural Insight in the Interfacial Effect in Ferroelectric Polymer Nanocomposites. <i>Advanced Materials</i> , 2020, 32, e2005431.	21.0	84
47	Highly stretchable and mechanically tunable antennas based on three-dimensional liquid metal network. <i>Materials Letters</i> , 2020, 270, 127727.	2.6	17
48	Progress in lead-free piezoelectric nanofiller materials and related composite nanogenerator devices. <i>Nanoscale Advances</i> , 2020, 2, 3131-3149.	4.6	62
49	Advanced polymer dielectrics for high temperature capacitive energy storage. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	90
50	Bioinspired Hierarchically Structured All-Inorganic Nanocomposites with Significantly Improved Capacitive Performance. <i>Advanced Functional Materials</i> , 2020, 30, 2000191.	14.9	88
51	Modified carbon fiber electrodes with enhanced impedance performance for marine sensor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 109, 137-144.	5.3	3
52	Tuning Nanofillers in In Situ Prepared Polyimide Nanocomposites for High-Temperature Capacitive Energy Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1903881.	19.5	259
53	Crosslinked fluoropolymers exhibiting superior high-temperature energy density and charge-discharge efficiency. <i>Energy and Environmental Science</i> , 2020, 13, 1279-1286.	30.8	188
54	Chirality-induced relaxor properties in ferroelectric polymers. <i>Nature Materials</i> , 2020, 19, 1169-1174.	27.5	93

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55	Fatigue-Free Aurivillius Phase Ferroelectric Thin Films with Ultrahigh Energy Storage Performance. <i>Advanced Energy Materials</i> , 2020, 10, 2001536.	19.5	114
56	Ag-modified carbon fiber as a stable sensor. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 106034.	7.6	6
57	Ferroelectric Polymers Exhibiting Negative Longitudinal Piezoelectric Coefficient: Progress and Prospects. <i>Advanced Science</i> , 2020, 7, 1902468.	11.2	66
58	Highly Stretchable Polymer Composite with Strain-Enhanced Electromagnetic Interference Shielding Effectiveness. <i>Advanced Materials</i> , 2020, 32, e1907499.	21.0	242
59	Oxygen vacancies-rich Ce _{0.9} Gd _{0.1} O _{2-δ} decorated Pr _{0.5} Ba _{0.5} CoO _{3-δ} bifunctional catalyst for efficient and long-lasting rechargeable Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118656.	20.2	87
60	Na incorporation controlled single phase kesterite Cu ₂ ZnSnS ₄ solar cell material. <i>Materials Letters</i> , 2020, 265, 127355.	2.6	7
61	Observation of a Negative Thermal Hysteresis in Relaxor Ferroelectric Polymers. <i>Advanced Functional Materials</i> , 2020, 30, 2000648.	14.9	12
62	Bionic composite hydrogel with a hybrid covalent/noncovalent network promoting phenotypic maintenance of hyaline cartilage. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4402-4411.	5.8	21
63	Composition Dependence of Microstructures and Ferroelectric Properties in Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Macromolecules, 2020, 53, 3139-3147.	4.8	5
64	3D boron nitride foam filled epoxy composites with significantly enhanced thermal conductivity by a facial and scalable approach. <i>Chemical Engineering Journal</i> , 2020, 397, 125447.	12.7	152
65	Self-healing capability of asphalt mixture containing polymeric composite fibers under acid and saline-alkali water solutions. <i>Journal of Cleaner Production</i> , 2020, 268, 122387.	9.3	37
66	Mobility Improvement of Sol-Gel Method Processed Transparent SnS _x Thin Films by Na Doping. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5102-5106.	0.9	1
67	Research on Electrical Properties of Surface-Modified Nano-SiO ₂ /Epoxy Composites. , 2020, , .		2
68	Polymer Nanocomposite Capacitors with Largely Reduced Conduction Loss Utilizing Wide-Bandgap Inorganic Nanofillers. , 2020, , .		0
69	A multifunctional smart window: detecting ultraviolet radiation and regulating the spectrum automatically. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10446-10453.	5.5	32
70	Integrated Triboelectric Nanogenerators in the Era of the Internet of Things. <i>Advanced Science</i> , 2019, 6, 1802230.	11.2	174
71	Composition-Dependent Dielectric Properties of Poly(vinylidene fluoride-trifluoroethylene)s Near the Morphotropic Phase Boundary. <i>Macromolecules</i> , 2019, 52, 6741-6747.	4.8	19
72	SnSe ₂ Nanorods on Carbon Cloth as a Highly Selective, Active, and Flexible Electrocatalyst for Electrochemical Reduction of CO ₂ into Formate. <i>ACS Applied Energy Materials</i> , 2019, 2, 7655-7662.	5.1	39

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73	Ultrahigh discharge efficiency and energy density achieved at low electric fields in sandwich-structured polymer films containing dielectric elastomers. Journal of Materials Chemistry A, 2019, 7, 3729-3736.	10.3	85
74	Multilayered hierarchical polymer composites for high energy density capacitors. Journal of Materials Chemistry A, 2019, 7, 2965-2980.	10.3	153
75	Co ³⁺ -rich Na _{1.95} CoP ₂ O ₇ Phosphates as Efficient Bifunctional Catalysts for Oxygen Evolution and Reduction Reactions in Alkaline Solution. Chemistry - A European Journal, 2019, 25, 11007-11014.	3.3	12
76	Microfluidic synthesis of polymeric fibers containing rejuvenating agent for asphalt self-healing. Construction and Building Materials, 2019, 219, 176-183.	7.2	37
77	High-performance insulation materials from poly(ether imide)/boron nitride nanosheets with enhanced DC breakdown strength and thermal stability. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 722-729.	2.9	20
78	Synthesis and Effect of Encapsulating Rejuvenator Fiber on the Performance of Asphalt Mixture. Materials, 2019, 12, 1266.	2.9	23
79	Synthesis and properties of microwave and crack responsive fibers encapsulating rejuvenator for bitumen self-healing. Materials Research Express, 2019, 6, 085306.	1.6	21
80	Tuning the electrocaloric reversibility in ferroelectric copolymers by a blend approach. Europhysics Letters, 2019, 125, 57001.	2.0	8
81	Polarized Soft X-ray Scattering Reveals Chain Orientation within Nanoscale Polymer Domains. Macromolecules, 2019, 52, 2803-2813.	4.8	17
82	Insights into the Morphotropic Phase Boundary in Ferroelectric Polymers from the Molecular Perspective. Journal of Physical Chemistry C, 2019, 123, 8727-8730.	3.1	16
83	Scalable Polymer Nanocomposites with Record High-Temperature Capacitive Performance Enabled by Rationally Designed Nanostructured Inorganic Fillers. Advanced Materials, 2019, 31, e1900875.	21.0	236
84	Superior electrostrictive strain achieved under low electric fields in relaxor ferroelectric polymers. Journal of Materials Chemistry A, 2019, 7, 5201-5208.	10.3	43
85	Enhanced Energy Storage Properties of Polyetherimide Film Capacitors Filled with Boron Nitride Nanosheets. , 2019, , .		5
86	High cyclic stability of electrocaloric effect in relaxor poly(vinylidene fluoride-trifluoroethylene) transition. Journal of Applied Physics, 2019, 126, .	2.5	14
87	Experimental and numerical study on formation of interface separation and interfacial dielectric strength of GIL insulator. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 1738-1746.	2.9	20
88	Self-healing of electrical damage in polymers using superparamagnetic nanoparticles. Nature Nanotechnology, 2019, 14, 151-155.	31.5	169
89	Conjugated Block Copolymers as Model Systems to Examine Mechanisms of Charge Generation in Donor-Acceptor Materials. Advanced Functional Materials, 2019, 29, 1804858.	14.9	17
90	Nanoconfinement-Induced Giant Electrocaloric Effect in Ferroelectric Polymer Nanowire Array Integrated with Aluminum Oxide Membrane to Exhibit Record Cooling Power Density. Advanced Materials, 2019, 31, e1806642.	21.0	56

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91	Largely enhanced energy storage performance of sandwich-structured polymer nanocomposites with synergistic inorganic nanowires. <i>Ceramics International</i> , 2019, 45, 8216-8221.	4.8	39
92	Insights into Ni-Fe couple in perovskite electrocatalysts for highly efficient electrochemical oxygen evolution. <i>Electrochimica Acta</i> , 2019, 293, 240-246.	5.2	30
93	Lanthanum modified lead zirconate titanate thin films by sol-gel and plasma annealing for integrated passive nanophotonic devices. <i>Optical Materials Express</i> , 2019, 9, 2279.	3.0	3
94	High-Temperature Dielectric Materials for Electrical Energy Storage. <i>Annual Review of Materials Research</i> , 2018, 48, 219-243.	9.3	540
95	Ferroelectric Polymer Nanocomposites with Complementary Nanostructured Fillers for Electrocaloric Cooling with High Power Density and Great Efficiency. <i>ACS Applied Energy Materials</i> , 2018, 1, 1344-1354.	5.1	42
96	Flexible three-dimensional interconnected piezoelectric ceramic foam based composites for highly efficient concurrent mechanical and thermal energy harvesting. <i>Energy and Environmental Science</i> , 2018, 11, 2046-2056.	30.8	188
97	Nanostructured Ferroelectric/Polymer Composites for Capacitive Energy Storage. <i>Small Methods</i> , 2018, 2, 1700399.	8.6	147
98	Lead-free Ba(1-x)Sr _x TiO ₃ ceramics for room-temperature pyroelectric energy conversion. <i>Ceramics International</i> , 2018, 44, 8270-8276.	4.8	21
99	Crystal phase transition dependence of the energy storage performance of poly(vinylidene fluoride) and poly(vinylidene fluoride- <i>co</i> -hexafluoropropene) copolymers. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46306.	2.6	24
100	High breakdown strength and low loss binary polymer blends of poly(vinylidene fluoride)/poly(vinylidene fluoride- <i>co</i> -hexafluoropropene). <i>Advanced Technologies</i> , 2018, 29, 1271-1277.	3.2	39
101	Ternary PVDF-based terpolymer nanocomposites with enhanced energy density and high power density. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 109, 597-603.	7.6	64
102	Injectable self-crosslinking HA-SH/Col I blend hydrogels for in vitro construction of engineered cartilage. <i>Carbohydrate Polymers</i> , 2018, 190, 57-66.	10.2	42
103	Size effects of electrocaloric cooling in ferroelectric nanowires. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1566-1575.	3.8	38
104	Harvesting Energy from Human Activity: Ferroelectric Energy Harvesters for Portable, Implantable, and Biomedical Electronics. <i>Energy Technology</i> , 2018, 6, 791-812.	3.8	49
105	Giant electrocaloric effect of free-standing Pb _{0.85} La _{0.1} (Zr _{0.65} Ti _{0.35})O ₃ thick films fabricated by the self-lift-off screen printing method. <i>Ceramics International</i> , 2018, 44, 193-200.	4.8	5
106	Ordered porous structure of nitrogen-self-doped carbon supporting Co ₃ O ₄ nanoparticles as anode for improving cycle stability in lithium-ion batteries. <i>Journal of Materials Research</i> , 2018, 33, 1226-1235.	2.6	12
107	Ultrahigh energy density and greatly enhanced discharged efficiency of sandwich-structured polymer nanocomposites with optimized spatial organization. <i>Nano Energy</i> , 2018, 44, 364-370.	16.0	241
108	Sandwich structured poly(vinylidene fluoride)/polyacrylate elastomers with significantly enhanced electric displacement and energy density. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24367-24377.	10.3	54

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109	Ion Pair Integrated Organic-Inorganic Hybrid Electrolyte Network for Solid-State Lithium Ion Batteries. Energy Technology, 2018, 6, 2319-2325.	3.8	11
110	Synthesis and characterization of compartmented Ca-alginate/silica self-healing fibers containing bituminous rejuvenator. Construction and Building Materials, 2018, 190, 623-631.	7.2	37
111	Ferroelectric polymers exhibiting behaviour reminiscent of a morphotropic phase boundary. Nature, 2018, 562, 96-100.	27.8	200
112	A Scalable, High-Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures. Advanced Materials, 2018, 30, e1805672.	21.0	260
113	Multilayered ferroelectric polymer films incorporating low-dielectric-constant components for concurrent enhancement of energy density and charge-discharge efficiency. Nano Energy, 2018, 54, 288-296.	16.0	161
114	Revealing the Importance of Energetic and Entropic Contributions to the Driving Force for Charge Photogeneration. ACS Applied Materials & Interfaces, 2018, 10, 39933-39941.	8.0	12
115	Random Copolymers Allow Control of Crystallization and Microphase Separation in Fully Conjugated Block Copolymers. Macromolecules, 2018, 51, 8844-8852.	4.8	15
116	Nickel-Based Bicarbonates as Bifunctional Catalysts for Oxygen Evolution and Reduction Reaction in Alkaline Media. Chemistry - A European Journal, 2018, 24, 17665-17671.	3.3	15
117	Synergetic enhancement of mechanical and electrical strength in epoxy/silica nanocomposites via chemically-bonded interface. Composites Science and Technology, 2018, 167, 539-546.	7.8	70
118	Push-pull architecture eliminates chain length effects on exciton dissociation. Journal of Materials Chemistry A, 2018, 6, 22758-22767.	10.3	5
119	Towards electrocaloric heat pump-A relaxor ferroelectric polymer exhibiting large electrocaloric response at low electric field. Applied Physics Letters, 2018, 113, .	3.3	31
120	Copper nanowires/cellulose biodegradable flexible transparent conductor with improved thermal stability and its application. Organic Electronics, 2018, 63, 392-397.	2.6	7
121	Microfluidic Synthesis of Ca-Alginate Microcapsules for Self-Healing of Bituminous Binder. Materials, 2018, 11, 630.	2.9	30
122	Synergistic Enhancement of Thermal Conductivity and Dielectric Properties in Al ₂ O ₃ /BaTiO ₃ /PP Composites. Materials, 2018, 11, 1536.	2.9	29
123	Low Young's moduli induced Loop dispersion and its effect on the energy discharging performance of PVDF and P(VDF-co-HFP) films. AIP Advances, 2018, 8, 035211.	1.3	3
124	Enhanced energy storage performance of ferroelectric polymer nanocomposites at relatively low electric fields induced by surface modified BaTiO ₃ nanofibers. Composites Science and Technology, 2018, 164, 214-221.	7.8	80
125	Bioinspired elastic piezoelectric composites for high-performance mechanical energy harvesting. Journal of Materials Chemistry A, 2018, 6, 14546-14552.	10.3	104
126	Dielectric materials for high-temperature capacitors. IET Nanodielectrics, 2018, 1, 32-40.	4.1	139

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127	Partially reduced Sn/SnO ₂ porous hollow fiber: A highly selective, efficient and robust electrocatalyst towards carbon dioxide reduction. <i>Electrochimica Acta</i> , 2018, 285, 70-77.	5.2	51
128	Enhanced electrocaloric effect in lead-free organic and inorganic relaxor ferroelectric composites near room temperature. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	31
129	Flexible energy harvesting polymer composites based on biofibril-templated 3-dimensional interconnected piezoceramics. <i>Nano Energy</i> , 2018, 50, 35-42.	16.0	107
130	Multifunctional hydrogel enables extremely simplified electrochromic devices for smart windows and ionic writing boards. <i>Materials Horizons</i> , 2018, 5, 1000-1007.	12.2	129
131	Flexible Transparent Conductive Au/Polythiophene/Cellulose Sheet. <i>Nanoscience and Nanotechnology Letters</i> , 2018, 10, 108-111.	0.4	2
132	Compositional tailoring effect on electric field distribution for significantly enhanced breakdown strength and restrained conductive loss in sandwich-structured ceramic/polymer nanocomposites. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4710-4718.	10.3	217
133	Poly(methyl methacrylate)/boron nitride nanocomposites with enhanced energy density as high temperature dielectrics. <i>Composites Science and Technology</i> , 2017, 142, 139-144.	7.8	153
134	Synthesis and magnetoelectric properties of multiferroic composites of lead lanthanum zirconate titanate and mesoporous cobalt ferrite. <i>Scripta Materialia</i> , 2017, 136, 29-32.	5.2	14
135	Ultrahigh electric displacement and energy density in gradient layer-structured BaTiO ₃ /PVDF nanocomposites with an interfacial barrier effect. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10849-10855.	10.3	197
136	Optimal design of high temperature metalized thin-film polymer capacitors: A combined numerical and experimental method. <i>Journal of Power Sources</i> , 2017, 357, 149-157.	7.8	16
137	Large energy density in Ba doped Pb _{0.97} La _{0.02} (Zr _{0.65} Sn _{0.3} Ti _{0.05})O ₃ antiferroelectric ceramics with improved temperature stability. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017, 24, 744-748.	2.9	17
138	High electrocaloric effect in hot-pressed Pb _{0.85} La _{0.1} (Zr _{0.65} Ti _{0.35})O ₃ ceramics with a wide operating temperature range. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4581-4589.	3.8	30
139	High-Energy-Density Dielectric Polymer Nanocomposites with Trilayered Architecture. <i>Advanced Functional Materials</i> , 2017, 27, 1606292.	14.9	338
140	The effect of the Zn/Sn ratio on the formation of single phase kesterite Cu ₂ ZnSnS ₄ solar cell material. <i>Ceramics International</i> , 2017, 43, 8103-8108.	4.8	10
141	Vibrational Sum Frequency Generation (SFG) Analysis of Ferroelectric Response of PVDF-Based Copolymer and Terpolymer. <i>Macromolecules</i> , 2017, 50, 2838-2844.	4.8	23
142	Dumbbell-Shaped Octasilsesquioxanes Functionalized with Ionic Liquids as Hybrid Electrolytes for Lithium Metal Batteries. <i>Chemistry of Materials</i> , 2017, 29, 9275-9283.	6.7	18
143	Tuning the synthesis of fully conjugated block copolymers to minimize architectural heterogeneity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20412-20421.	10.3	19
144	Biocompatible and Flexible Hydrogel Diode-Based Mechanical Energy Harvesting. <i>Advanced Materials Technologies</i> , 2017, 2, 1700118.	5.8	29

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145	High-Performance Polymers Sandwiched with Chemical Vapor Deposited Hexagonal Boron Nitrides as Scalable High-Temperature Dielectric Materials. <i>Advanced Materials</i> , 2017, 29, 1701864.	21.0	270
146	Organic-inorganic hybrid electrolytes from ionic liquid-functionalized octasilsesquioxane for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18012-18019.	10.3	60
147	A microcube-based hybrid piezocomposite as a flexible energy generator. <i>RSC Advances</i> , 2017, 7, 32502-32507.	3.6	59
148	Effect of preparation process on properties of PLZT (9/65/35) transparent ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 723, 602-610.	5.5	25
149	Flexible Ionic Diodes for Low-Frequency Mechanical Energy Harvesting. <i>Advanced Energy Materials</i> , 2017, 7, 1601983.	19.5	51
150	Self-Healable Polymer Nanocomposites Capable of Simultaneously Recovering Multiple Functionalities. <i>Advanced Functional Materials</i> , 2016, 26, 3524-3531.	14.9	69
151	High Capacity Lithium Ion Battery Anodes Using Sn Nanowires Encapsulated Al ₂ O ₃ Tubes in Carbon Matrix. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500491.	3.7	29
152	Towards multicaloric effect with ferroelectrics. <i>Physical Review B</i> , 2016, 94, .	3.2	33
153	Large enhancement of the electrocaloric effect in PLZT ceramics prepared by hot-pressing. <i>APL Materials</i> , 2016, 4, .	5.1	51
154	Polymer Nanocomposites for Power Energy Storage. , 2016, , 139-163.		0
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