Qing Wang

List of Publications by Year
in descending order

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277	21,562	9786	10734
papers	citations	73 h-index	138 g-index

279	279	279	12944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructural stability of low-cost Ni-base superalloys with a high volume fraction of cuboidal Î³â€² nanoprecipitates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 833, 142550.	5.6	11
2	Interfacial polymerization of a covalent organic framework layer on titanium dioxide@graphene oxide/polyacrylonitrile mixed-matrix membranes for high-performance dye separation. Journal of Membrane Science, 2022, 647, 120296.	8.2	19
3	Effect of Zr addition on the stability of precipitated Laves phase and mechanical properties of Feâ€“Crâ€“Al-based alloys at high temperatures. Progress in Natural Science: Materials International, 2022, 32, 114-127.	4.4	7
4	Formation of coherent BCC/B2 microstructure and mechanical properties of Alâ€“Tiâ€“Zrâ€“Nbâ€“Taâ€“Cr/Mo light-weight refractory high-entropy alloys. Rare Metals, 2022, 41, 2886-2893.	7.1	7
5	Precipitation behavior of second phases and mechanical property of Feâ€“Crâ€“Alâ€“Moâ€“Nb/Ta/Zr alloy during aging at 1073ÂK. Journal of Materials Research and Technology, 2022, 19, 4571-4582.	5.8	3
6	Largely enhanced dielectric properties of polymer composites with HfO2 nanoparticles for high-temperature film capacitors. Composites Science and Technology, 2021, 201, 108528.	7.8	121
7	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
8	Pervaporation via siliconâ€based membranes: Correlation and prediction of performance in pervaporation and gas permeation. AICHE Journal, 2021, 67, e17223.	3.6	21
9	High efficiency tunable unidirectional single-longitudinal-mode Er:YAG ring laser based on an acousto-optic modulator. Optics Express, 2021, 29, 6445.	3.4	4
10	A Novel Softâ€Magnetic B2â€Based Multiprincipalâ€Element Alloy with a Uniform Distribution of Coherent Bodyâ€centeredâ€cubic Nanoprecipitates. Advanced Materials, 2021, 33, e2006723.	21.0	46
11	Enabling Highâ€Energyâ€Density Highâ€Efficiency Ferroelectric Polymer Nanocomposites with Rationally Designed Nanofillers. Advanced Functional Materials, 2021, 31, .	14.9	80
12	Integrated Ultrafine Co_{0.85}Se in Carbon Nanofibers: An Efficient and Robust Bifunctional Catalyst for Oxygen Electrocatalysis. Chemistry - A European Journal, 2020, 26, 4063-4069.	3.3	25
13	Gradient-layered polymer nanocomposites with significantly improved insulation performance for dielectric energy storage. Energy Storage Materials, 2020, 24, 626-634.	18.0	137
14	High energy storage density of tetragonal PBLZST antiferroelectric ceramics with enhanced dielectric breakdown strength. Ceramics International, 2020, 46, 3921-3926.	4.8	23
15	Fluorous effect-induced emission of azido substituted poly(vinylidene fluoride) with high photostability and film formation. Polymer Chemistry, 2020, 11, 1307-1313.	3.9	17
16	Significantly improved breakdown strength and energy density of tri-layered polymer nanocomposites with optimized graphene oxide. Composites Science and Technology, 2020, 186, 107912.	7.8	43
17	Development of high-performance sub-nanoporous SiC-based membranes derived from polytitanocarbosilane. Journal of Membrane Science, 2020, 598, 117688.	8.2	24
18	High efficiency and selectivity from synergy: Bi nanoparticles embedded in nitrogen doped porous carbon for electrochemical reduction of CO2 to formate. Electrochimica Acta, 2020, 334, 135563.	5.2	37

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19	Autonomous Self-Healing of Electrical Degradation in Dielectric Polymers Using In Situ Electroluminescence. Matter, 2020, 2, 451-463.	10.0	63
20	Review of ionic liquids containing, polymer/inorganic hybrid electrolytes for lithium metal batteries. Materials and Design, 2020, 190, 108563.	7.0	111
21	Multiscale structural engineering of dielectric ceramics for energy storage applications: from bulk to thin films. Nanoscale, 2020, 12, 17165-17184.	5.6	131
22	Bilayer-Structured Polymer Nanocomposites Exhibiting High Breakdown Strength and Energy Density via Interfacial Barrier Design. ACS Applied Energy Materials, 2020, 3, 8055-8063.	5.1	32
23	Cluster-formula-embedded machine learning for design of multicomponent Î²-Ti alloys with low Youngâ€™s modulus. Npj Computational Materials, 2020, 6, .	8.7	29
24	Large Quadratic Electro-Optic Effect of the PLZT Thin Films for Optical Communication Integrated Devices. ACS Photonics, 2020, 7, 3166-3176.	6.6	6
25	In situ exsolved Co nanoparticles coupled on LiCoO₂ nanofibers to induce oxygen electrocatalysis for rechargeable Znâ€“air batteries. Journal of Materials Chemistry A, 2020, 8, 19946-19953.	10.3	27
26	Lightweight Porous Polystyrene with High Thermal Conductivity by Constructing 3D Interconnected Network of Boron Nitride Nanosheets. ACS Applied Materials & Interfaces, 2020, 12, 46767-46778.	8.0	85
27	Recent progress in polymer dielectrics containing boron nitride nanosheets for high energy density capacitors. High Voltage, 2020, 5, 365-376.	4.7	60
28	Structural Insight in the Interfacial Effect in Ferroelectric Polymer Nanocomposites. Advanced Materials, 2020, 32, e2005431.	21.0	84
29	Highly stretchable and mechanically tunable antennas based on three-dimensional liquid metal network. Materials Letters, 2020, 270, 127727.	2.6	17
30	Progress in lead-free piezoelectric nanofiller materials and related composite nanogenerator devices. Nanoscale Advances, 2020, 2, 3131-3149.	4.6	62
31	Pervaporation removal of methanol from methanol/organic azeotropes using organosilica membranes: Experimental and modeling. Journal of Membrane Science, 2020, 610, 118284.	8.2	43
32	Advanced polymer dielectrics for high temperature capacitive energy storage. Journal of Applied Physics, 2020, 127, .	2.5	90
33	Tuning the microstructure of polycarbosilane-derived SiC(O) separation membranes via thermal-oxidative cross-linking. Separation and Purification Technology, 2020, 248, 117067.	7.9	15
34	One-step synthesis of sandwich-type Cu/graphene/Cu ultrathin foil with enhanced property via electrochemical route. Materials and Design, 2020, 191, 108629.	7.0	16
35	Highâ€performance molecularâ€separation ceramic membranes derived from oxidative crossâ€linked polytitanocarbosilane. Journal of the American Ceramic Society, 2020, 103, 4473-4488.	3.8	19
36	Bioinspired Hierarchically Structured Allâ€Inorganic Nanocomposites with Significantly Improved Capacitive Performance. Advanced Functional Materials, 2020, 30, 2000191.	14.9	88

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37	Modified carbon fiber electrodes with enhanced impedance performance for marine sensor. Journal of the Taiwan Institute of Chemical Engineers, 2020, 109, 137-144.	5.3	3
38	Tuning Nanofillers in In Situ Prepared Polyimide Nanocomposites for Highâ€Temperature Capacitive Energy Storage. Advanced Energy Materials, 2020, 10, 1903881.	19.5	259
39	Crosslinked fluoropolymers exhibiting superior high-temperature energy density and chargeâ€“discharge efficiency. Energy and Environmental Science, 2020, 13, 1279-1286.	30.8	188
40	Chirality-induced relaxor properties in ferroelectric polymers. Nature Materials, 2020, 19, 1169-1174.	27.5	93
41	Microstructure evolution and enhanced permeation of SiC membranes derived from allylhydridopolycarbosilane. Journal of Membrane Science, 2020, 612, 118392.	8.2	18
42	Fatigueâ€Free Aurivillius Phase Ferroelectric Thin Films with Ultrahigh Energy Storage Performance. Advanced Energy Materials, 2020, 10, 2001536.	19.5	114
43	Ag-modified carbon fiber as a stable sensor. Composites Part A: Applied Science and Manufacturing, 2020, 137, 106034.	7.6	6
44	Ferroelectric Polymers Exhibiting Negative Longitudinal Piezoelectric Coefficient: Progress and Prospects. Advanced Science, 2020, 7, 1902468.	11.2	66
45	Highly Stretchable Polymer Composite with Strainâ€Enhanced Electromagnetic Interference Shielding Effectiveness. Advanced Materials, 2020, 32, e1907499.	21.0	242
46	Oxygen vacancies-rich Ce0.9Gd0.1O2-Î´ decorated Pr0.5Ba0.5CoO3-Î´ bifunctional catalyst for efficient and long-lasting rechargeable Zn-air batteries. Applied Catalysis B: Environmental, 2020, 266, 118656.	20.2	87
47	Na incorporation controlled single phase kesterite Cu2ZnSnS4 solar cell material. Materials Letters, 2020, 265, 127355.	2.6	7
48	Observation of a Negative Thermal Hysteresis in Relaxor Ferroelectric Polymers. Advanced Functional Materials, 2020, 30, 2000648.	14.9	12
49	Composition Dependence of Microstructures and Ferroelectric Properties in Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Macromolecules, 2020, 53, 3139-3147.	4.8	5
50	3D boron nitride foam filled epoxy composites with significantly enhanced thermal conductivity by a facial and scalable approach. Chemical Engineering Journal, 2020, 397, 125447.	12.7	152
51	1645â€…nm coherent Doppler wind lidar with a single-frequency Er:YAG laser. Optics Express, 2020, 28, 14694.	3.4	32
52	Broadband, few-cycle mid-infrared continuum based on the intra-pulse difference frequency generation with BGSe crystals. Optics Express, 2020, 28, 37903.	3.4	18
53	Single-frequency Q-switched Er:YAG laser with high frequency and energy stability via the Poundâ€“Dreverâ€“Hall locking method. Optics Letters, 2020, 45, 3745.	3.3	9
54	Er:YAG MOPA system based on a polarization-multiplexing 4-pass structure. Optics Express, 2020, 28, 15424.	3.4	2

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55	SiC mesoporous membranes for sulfuric acid decomposition at high temperatures in the iodineâ€“sulfur process. RSC Advances, 2020, 10, 41883-41890.	3.6	9
56	A multifunctional smart window: detecting ultraviolet radiation and regulating the spectrum automatically. Journal of Materials Chemistry C, 2019, 7, 10446-10453.	5.5	32
57	Integrated Triboelectric Nanogenerators in the Era of the Internet of Things. Advanced Science, 2019, 6, 1802230.	11.2	174
58	Composition-Dependent Dielectric Properties of Poly(vinylidene fluoride-trifluoroethylene)s Near the Morphotropic Phase Boundary. Macromolecules, 2019, 52, 6741-6747.	4.8	19
59	SnSe₂ Nanorods on Carbon Cloth as a Highly Selective, Active, and Flexible Electrocatalyst for Electrochemical Reduction of CO₂ into Formate. ACS Applied Energy Materials, 2019, 2, 7655-7662.	5.1	39
60	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
61	Multilayered hierarchical polymer composites for high energydensity capacitors. Journal of Materials Chemistry A, 2019, 7, 2965-2980.	10.3	153
62	Co 3+ â€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
63	Microfluidic synthesis of polymeric fibers containing rejuvenating agent for asphalt self-healing. Construction and Building Materials, 2019, 219, 176-183.	7.2	37
64	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
65	Synthesis and Effect of Encapsulating Rejuvenator Fiber on the Performance of Asphalt Mixture. Materials, 2019, 12, 1266.	2.9	23
66	Bio-inspired hydrophobic/cancellous/hydrophilic Trimurti PVDF mat-based wearable triboelectric nanogenerator designed by self-assembly of electro-pore-creating. Nano Energy, 2019, 61, 486-495.	16.0	73
67	Synthesis and properties of microwave and crack responsive fibers encapsulating rejuvenator for bitumen self-healing. Materials Research Express, 2019, 6, 085306.	1.6	21
68	Tuning the electrocaloric reversibility in ferroelectric copolymers by a blend approach. Europhysics Letters, 2019, 125, 57001.	2.0	8
69	Polarized Soft X-ray Scattering Reveals Chain Orientation within Nanoscale Polymer Domains. Macromolecules, 2019, 52, 2803-2813.	4.8	17
70	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
71	Conductive triethylene glycol monomethyl ether substituted polythiophenes with high stability in the doped state. Journal of Polymer Science Part A, 2019, 57, 1079-1086.	2.3	4
72	Scalable Polymer Nanocomposites with Record Highâ€Temperature Capacitive Performance Enabled by Rationally Designed Nanostructured Inorganic Fillers. Advanced Materials, 2019, 31, e1900875.	21.0	236

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73	Temperature-affected microstructural stability of coherent cuboidal B2 particles in precipitation-strengthened body-centered-cubic Al0.7CoCr2FeNi high-entropy alloy. Journal of Materials Science, 2019, 54, 8696-8710.	3.7	16
74	Superior electrostrictive strain achieved under low electric fields in relaxor ferroelectric polymers. Journal of Materials Chemistry A, 2019, 7, 5201-5208.	10.3	43
75	Solutionâ€Processed Selfâ€Powered Transparent Ultraviolet Photodetectors with Ultrafast Response Speed for Highâ€Performance Communication System. Advanced Functional Materials, 2019, 29, 1809013.	14.9	123
76	Enhanced Energy Storage Properties of Polyetherimide Film Capacitors Filled with Boron Nitride Nanosheets. , 2019, , .		5
77	High cyclic stability of electrocaloric effect in relaxor poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (fluoride-tri transition. Journal of Applied Physics, 2019, 126, .	2.5	14
78	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
79	Self-healing of electrical damage in polymers using superparamagnetic nanoparticles. Nature Nanotechnology, 2019, 14, 151-155.	31.5	169
80	Conjugated Block Copolymers as Model Systems to Examine Mechanisms of Charge Generation in Donorâ€“Acceptor Materials. Advanced Functional Materials, 2019, 29, 1804858.	14.9	17
81	Nanoconfinementâ€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
82	Largely enhanced energy storage performance of sandwich-structured polymer nanocomposites with synergistic inorganic nanowires. Ceramics International, 2019, 45, 8216-8221.	4.8	39
83	Insights into Ni-Fe couple in perovskite electrocatalysts for highly efficient electrochemical oxygen evolution. Electrochimica Acta, 2019, 293, 240-246.	5.2	30
84	2/3 octave Si/SiO2 infrared dispersive mirrors open new horizons in ultrafast multilayer optics. Optics Express, 2019, 27, 55.	3.4	11
85	High-energy, single-frequency, Q-switched Er:YAG laser with a double-crystals-end-pumping architecture. Optics Express, 2019, 27, 2671.	3.4	15
86	High-repetition rate, single-frequency laser with a double Er:YAG ceramics ring cavity. Optics Express, 2019, 27, 23197.	3.4	8
87	Efficient femtosecond mid-infrared generation based on a Cr:ZnS oscillator and step-index fluoride fibers. Optics Letters, 2019, 44, 2390.	3.3	32
88	Broadband mid-infrared coverage (2â€“17â€‰â€‰Î¼m) with few-cycle pulses via cascaded parametric processes. Optics Letters, 2019, 44, 2566.	3.3	43
89	Intra-pulse difference-frequency generation of mid-infrared (27â€“20â€‰â€‰Î¼m) by random quasi-phase-matching. Optics Letters, 2019, 44, 2986.	3.3	35
90	Lanthanum modified lead zirconate titanate thin films by sol-gel and plasma annealing for integrated passive nanophotonic devices. Optical Materials Express, 2019, 9, 2279.	3.0	3

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91	High-Temperature Dielectric Materials for Electrical Energy Storage. Annual Review of Materials Research, 2018, 48, 219-243.	9.3	540
92	Ferroelectric Polymer Nanocomposites with Complementary Nanostructured Fillers for Electrocaloric Cooling with High Power Density and Great Efficiency. ACS Applied Energy Materials, 2018, 1, 1344-1354.	5.1	42
93	Flexible three-dimensional interconnected piezoelectric ceramic foam based composites for highly efficient concurrent mechanical and thermal energy harvesting. Energy and Environmental Science, 2018, 11, 2046-2056.	30.8	188
94	Lead-free Ba(1-x)SrxTiO3 ceramics for room-temperature pyroelectric energy conversion. Ceramics International, 2018, 44, 8270-8276.	4.8	21
95	Crystal phase transition dependence of the energy storage performance of poly(vinylidene fluoride) and poly(vinylidene fluorideâ€hexafluoropropene) copolymers. Journal of Applied Polymer Science, 2018, 135, 46306.	2.6	24
96	Mechanical Strainâ€Tunable Microwave Magnetism in Flexible CuFe₂O₄ Epitaxial Thin Film for Wearable Sensors. Advanced Functional Materials, 2018, 28, 1705928.	14.9	58
97	High breakdown strength and low loss binary polymer blends of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Tc Advanced Technologies, 2018, 29, 1271-1277.	3.2	39
98	Structure dependence of water vapor permeation in polymer nanocomposite membranes investigated by positron annihilation lifetime spectroscopy. Journal of Membrane Science, 2018, 549, 581-587.	8.2	52
99	Ternary PVDF-based terpolymer nanocomposites with enhanced energy density and high power density. Composites Part A: Applied Science and Manufacturing, 2018, 109, 597-603.	7.6	64
100	Size effects of electrocaloric cooling in ferroelectric nanowires. Journal of the American Ceramic Society, 2018, 101, 1566-1575.	3.8	38
101	Harvesting Energy from Human Activity: Ferroelectric Energy Harvesters for Portable, Implantable, and Biomedical Electronics. Energy Technology, 2018, 6, 791-812.	3.8	49
102	Giant electrocaloric effect of free-standing Pb0.85La0.1(Zr0.65Ti0.35)O3 thick films fabricated by the self-lift-off screen printing method. Ceramics International, 2018, 44, 193-200.	4.8	5
103	Ordered porous structure of nitrogen-self-doped carbon supporting Co₃O₄nanoparticles as anode for improving cycle stability in lithium-ion batteries. Journal of Materials Research, 2018, 33, 1226-1235.	2.6	12
104	Ultrahigh energy density and greatly enhanced discharged efficiency of sandwich-structured polymer nanocomposites with optimized spatial organization. Nano Energy, 2018, 44, 364-370.	16.0	241
105	Sandwich structured poly(vinylidene fluoride)/polyacrylate elastomers with significantly enhanced electric displacement and energy density. Journal of Materials Chemistry A, 2018, 6, 24367-24377.	10.3	54
106	Ion Pair Integrated Organicâ€Inorganic Hybrid Electrolyte Network for Solidâ€State Lithium Ion Batteries. Energy Technology, 2018, 6, 2319-2325.	3.8	11
107	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
108	Ferroelectric polymers exhibiting behaviour reminiscent of a morphotropic phase boundary. Nature, 2018, 562, 96-100.	27.8	200

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109	A Scalable, Highâ€Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures. Advanced Materials, 2018, 30, e1805672.	21.0	260
110	Multilayered ferroelectric polymer films incorporating low-dielectric-constant components for concurrent enhancement of energy density and chargeâ€“discharge efficiency. Nano Energy, 2018, 54, 288-296.	16.0	161
111	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
112	Random Copolymers Allow Control of Crystallization and Microphase Separation in Fully Conjugated Block Copolymers. Macromolecules, 2018, 51, 8844-8852.	4.8	15
113	Nickelâ€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
114	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
115	Pushâ€“pull architecture eliminates chain length effects on exciton dissociation. Journal of Materials Chemistry A, 2018, 6, 22758-22767.	10.3	5
116	Towards electrocaloric heat pumpâ€”A relaxor ferroelectric polymer exhibiting large electrocaloric response at low electric field. Applied Physics Letters, 2018, 113, .	3.3	31
117	Copper nanowires/cellulose biodegradable flexible transparent conductor with improved thermal stability and its application. Organic Electronics, 2018, 63, 392-397.	2.6	7
118	Microfluidic Synthesis of Ca-Alginate Microcapsules for Self-Healing of Bituminous Binder. Materials, 2018, 11, 630.	2.9	30
119	Synergistic Enhancement of Thermal Conductivity and Dielectric Properties in Al2O3/BaTiO3/PP Composites. Materials, 2018, 11, 1536.	2.9	29
120	Low Youngâ€™s moduli inducedDâ€“Eloop 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
121	Enhanced energy storage performance of ferroelectric polymer nanocomposites at relatively low electric fields induced by surface modified BaTiO3 nanofibers. Composites Science and Technology, 2018, 164, 214-221.	7.8	80
122	Bioinspired elastic piezoelectric composites for high-performance mechanical energy harvesting. Journal of Materials Chemistry A, 2018, 6, 14546-14552.	10.3	104
123	Dielectric materials for highâ€temperature capacitors. IET Nanodielectrics, 2018, 1, 32-40.	4.1	139
124	Partially reduced Sn/SnO2 porous hollow fiber: A highly selective, efficient and robust electrocatalyst towards carbon dioxide reduction. Electrochimica Acta, 2018, 285, 70-77.	5.2	51
125	Enhanced electrocaloric effect in lead-free organic and inorganic relaxor ferroelectric composites near room temperature. Applied Physics Letters, 2018, 112, .	3.3	31
126	Flexible energy harvesting polymer composites based on biofibril-templated 3-dimensional interconnected piezoceramics. Nano Energy, 2018, 50, 35-42.	16.0	107

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127	Multifunctional hydrogel enables extremely simplified electrochromic devices for smart windows and ionic writing boards. Materials Horizons, 2018, 5, 1000-1007.	12.2	129
128	Compositional tailoring effect on electric field distribution for significantly enhanced breakdown strength and restrained conductive loss in sandwich-structured ceramic/polymer nanocomposites. Journal of Materials Chemistry A, 2017, 5, 4710-4718.	10.3	217
129	Poly(methyl methacrylate)/boron nitride nanocomposites with enhanced energy density as high temperature dielectrics. Composites Science and Technology, 2017, 142, 139-144.	7.8	153
130	Synthesis and magnetoelectric properties of multiferroic composites of lead lanthanum zirconate titanate and mesoporous cobalt ferrite. Scripta Materialia, 2017, 136, 29-32.	5.2	14
131	Ultrahigh electric displacement and energy density in gradient layer-structured BaTiO₃/PVDF nanocomposites with an interfacial barrier effect. Journal of Materials Chemistry A, 2017, 5, 10849-10855.	10.3	197
132	Optimal design of high temperature metalized thin-film polymer capacitors: A combined numerical and experimental method. Journal of Power Sources, 2017, 357, 149-157.	7.8	16
133	Large energy density in Ba doped Pb0.97La0.02(Zr0.65Sn0.3Ti0.05)O3 antiferroelectric ceramics with improved temperature stability. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 744-748.	2.9	17
134	Highly (h0h)-oriented silicalite-1 membranes for butane isomer separation. Journal of Membrane Science, 2017, 540, 50-59.	8.2	54
135	High electrocaloric effect in hotâ€pressed Pb_{0.85}La_{0.1}(Zr_{0.65}Ti_{0.35})O₃ ceramics with a wide operating temperature range. Journal of the American Ceramic Society, 2017, 100, 4581-4589.	3.8	30
136	Highâ€Energyâ€Density Dielectric Polymer Nanocomposites with Trilayered Architecture. Advanced Functional Materials, 2017, 27, 1606292.	14.9	338
137	The effect of the Zn/Sn ratio on the formation of single phase kesterite Cu 2 ZnSnS 4 solar cell material. Ceramics International, 2017, 43, 8103-8108.	4.8	10
138	Vibrational Sum Frequency Generation (SFG) Analysis of Ferroelectric Response of PVDF-Based Copolymer and Terpolymer. Macromolecules, 2017, 50, 2838-2844.	4.8	23
139	Incorporating Fluorine Substitution into Conjugated Polymers for Solar Cells: Three Different Means, Same Results. Journal of Physical Chemistry C, 2017, 121, 2059-2068.	3.1	22
140	Dumbbell-Shaped Octasilsesquioxanes Functionalized with Ionic Liquids as Hybrid Electrolytes for Lithium Metal Batteries. Chemistry of Materials, 2017, 29, 9275-9283.	6.7	18
141	Tuning the synthesis of fully conjugated block copolymers to minimize architectural heterogeneity. Journal of Materials Chemistry A, 2017, 5, 20412-20421.	10.3	19
142	Biocompatible and Flexible Hydrogel Diodeâ€Based Mechanical Energy Harvesting. Advanced Materials Technologies, 2017, 2, 1700118.	5.8	29
143	Highâ€Performance Polymers Sandwiched with Chemical Vapor Deposited Hexagonal Boron Nitrides as Scalable Highâ€Temperature Dielectric Materials. Advanced Materials, 2017, 29, 1701864.	21.0	270
144	Organicâ€“inorganic hybrid electrolytes from ionic liquid-functionalized octasilsesquioxane for lithium metal batteries. Journal of Materials Chemistry A, 2017, 5, 18012-18019.	10.3	60

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145	Formaldehyde assisted reduction achieved p-type orthorhombic tin oxide film prepared by an inexpensive chemical method. Materials Research Express, 2017, 4, 116411.	1.6	2
146	A microcube-based hybrid piezocomposite as a flexible energy generator. RSC Advances, 2017, 7, 32502-32507.	3.6	59
147	Effect of preparation process on properties of PLZT (9/65/35) transparent ceramics. Journal of Alloys and Compounds, 2017, 723, 602-610.	5.5	25
148	Room-temperature ionic liquids modified zeolite SSZ-13 membranes for CO2/CH4 separation. Journal of Membrane Science, 2017, 524, 12-19.	8.2	67
149	Flexible Ionic Diodes for Lowâ€Frequency Mechanical Energy Harvesting. Advanced Energy Materials, 2017, 7, 1601983.	19.5	51
150	High-energy, stable single-frequency Ho:YAG ceramic amplifier system. Applied Optics, 2017, 56, 9531.	1.8	5
151	2 Î¼m high energy single-frequency Q-switched Ho:YAG ceramic laser. , 2017, , .		0
152	Selfâ€Healable Polymer Nanocomposites Capable of Simultaneously Recovering Multiple Functionalities. Advanced Functional Materials, 2016, 26, 3524-3531.	14.9	69
153	High Capacity Lithium Ion Battery Anodes Using Sn Nanowires Encapsulated Al₂O₃ Tubes in Carbon Matrix. Advanced Materials Interfaces, 2016, 3, 1500491.	3.7	29
154	Towards multicaloric effect with ferroelectrics. Physical Review B, 2016, 94, .	3.2	33
155	Large enhancement of the electrocaloric effect in PLZT ceramics prepared by hot-pressing. APL Materials, 2016, 4, .	5.1	51
156	Improved mobility of sol-gel method processed transparent tin sulfide thin films. Materials Letters, 2016, 178, 231-234.	2.6	13
157	Effect of Mn₃O₄ nanoparticle composition and distribution on graphene as a potential hybrid anode material for lithium-ion batteries. RSC Advances, 2016, 6, 33022-33030.	3.6	19
158	34â€‰â€‰mJ Ho:YAG ceramic master oscillator and power amplifier laser at 2097â€‰â€‰nm. Applied Optics, 2016, 55, 2853.	2.1	3
159	Polymer Nanocomposites for Power Energy Storage. , 2016, , 139-163.		0
160	Controlling Chain Conformations of Highâ€k Fluoropolymer Dielectrics to Enhance Charge Mobilities in Rubrene Singleâ€Crystal Fieldâ€Effect Transistors. Advanced Materials, 2016, 28, 10095-10102.	21.0	38
161	Photocurable dielectrics for electronic packaging and encapsulant applications. , 2016, , .		0
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