Dou Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

218 papers	7,739 citations	53660 45 h-index	76769 74 g-index
219 all docs	219 docs citations	219 times ranked	5391 citing authors

#	Article	IF	Citations
1	Enhanced energy density in sandwich-structured P(VDF-HFP) nanocomposites containing Hf0.5Zr0.5O2 nanofibers. Chemical Engineering Journal, 2022, 436, 131123.	6.6	10
2	High-temperature dielectric polymers with high breakdown strength and energy density via constructing the electron traps in blends. Composites Part A: Applied Science and Manufacturing, 2022, 152, 106679.	3.8	34
3	Evaluation of the pore morphologies for piezoelectric energy harvesting application. Ceramics International, 2022, 48, 5017-5025.	2.3	14
4	Piezo-photoelectronic coupling effect of BaTiO3@TiO2 nanowires for highly concentrated dye degradation. Nano Energy, 2022, 92, 106702.	8.2	100
5	Synergistic enhancement of piezoelectricity and thermal stability in AlN-doped Bi0.5Na0.5TiO3-based ceramics. Journal of the European Ceramic Society, 2022, 42, 1425-1433.	2.8	13
6	Extremely low loading of carbon quantum dots for high energy density in polyetherimide nanocomposites. Chemical Engineering Journal, 2022, 433, 133601.	6.6	26
7	Constructing a correlation between ferroelectricity and grain sizes in Hf_{0.5}Zr_{0.5}O₂ ferroelectric thin films. CrystEngComm, 2022, 24, 1731-1737.	1.3	11
8	Enhanced dielectric constant and breakdown strength in dielectric composites using TiO2@HfO2 nanowires with gradient dielectric constant. Ceramics International, 2022, 48, 12483-12489.	2.3	12
9	HfO2-based ferroelectrics: From enhancing performance, material design, to applications. Applied Physics Reviews, 2022, 9, .	5.5	49
10	Modulation of ferroelectricity in atomic layer deposited HfO2/ZrO2 multilayer films. Materials Letters, 2022, 313, 131732.	1.3	3
11	Concurrently enhanced dielectric properties and energy density in poly(vinylidene fluoride)-based coreâ€“shell BaTiO₃ nanocomposites via constructing a polar and rigid polymer interfacial layer. Journal of Materials Chemistry C, 2022, 10, 6323-6333.	2.7	28
12	Achieving high breakdown strength and energy density in all-organic sandwich-structured dielectrics by introducing polyacrylate elastomers. Journal of Materials Chemistry A, 2022, 10, 9103-9113.	5.2	28
13	High energy storage, structure evolution and dielectric properties of complex perovskite solid solution (1-x) NaNbO3-xBi (Zn2/3Nb1/3) O3. Journal of Electroceramics, 2022, 48, 111-116.	0.8	7
14	Surface-Decorated Graphene Oxide Sheets with Copper Nanoderivatives for Bone Regeneration: An In Vitro and In Vivo Study Regarding Molecular Mechanisms, Osteogenesis, and Anti-infection Potential. ACS Infectious Diseases, 2022, 8, 499-515.	1.8	7
15	Direct ink writing of 3D piezoelectric ceramics with complex unsupported structures. Journal of the European Ceramic Society, 2022, 42, 3841-3847.	2.8	10
16	Reconfigurable Quasiâ€Nonvolatile Memory/Subthermionic FET Functions in Ferroelectricâ€“2D Semiconductor vdW Architectures. Advanced Materials, 2022, 34, e2200032.	11.1	18
17	Electrospinning Synthesis of Na0.5Bi0.5TiO3 Nanofibers for Dielectric Capacitors in Energy Storage Application. Nanomaterials, 2022, 12, 906.	1.9	6
18	Flexible Perovskite Solar Cells: From Materials and Device Architectures to Applications. ACS Energy Letters, 2022, 7, 1412-1445.	8.8	54

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19	Bilayer structured PVDF-based composites via integrating BaTiO3 nanowire arrays and BN nanosheets for high energy density capacitors. Chemical Engineering Journal, 2022, 437, 135497.	6.6	37
20	Improved photocatalytic performance of gradient reduced TiO2 ceramics with aligned pore channels. , 2022, 1, 100025.		27
21	Enhanced breakdown strength and energy density over a broad temperature range in polyimide dielectrics using oxidized MXenes filler. Journal of Power Sources, 2022, 535, 231415.	4.0	38
22	Three dimensional BaTiO3 piezoelectric ceramics coated with TiO2 nanoarray for high performance of piezo-photoelectric catalysis. Nano Energy, 2022, 98, 107267.	8.2	25
23	Improved Energy Density and Energy Efficiency of Poly(vinylidene difluoride) Nanocomposite Dielectrics Using 0.93Na_{0.5}Bi_{0.5}TiO₃-0.07BaTiO₃ Nanofibers. ACS Applied Materials & Interfaces, 2022, 14, 19376-19387.	4.0	22
24	Piezo-assisted photoelectric catalysis degradation for dyes and antibiotics by Ag dots-modified NaNbO3 powders. Ceramics International, 2022, 48, 23182-23194.	2.3	23
25	All-organic polymer dielectrics prepared via optimization of sequential structure of polystyrene-based copolymers. Chemical Engineering Journal, 2022, 446, 137106.	6.6	16
26	Synthesis of dielectric polystyrene via one-step nitration reaction for large-scale energy storage. Chemical Engineering Journal, 2022, 446, 137281.	6.6	38
27	Novel Therapeutic Strategy for Bacteriaâ€Contaminated Bone Defects: Reconstruction with Multiâ€Biofunctional GO/Cuâ€Incorporated 3D Scaffolds. Advanced Therapeutics, 2022, 5, .	1.6	4
28	Dielectric nanocomposites with high energy density by doping core-double shell structured fillers. Composites Part A: Applied Science and Manufacturing, 2022, 159, 107019.	3.8	14
29	Silver niobate perovskites: structure, properties and multifunctional applications. Journal of Materials Chemistry A, 2022, 10, 14747-14787.	5.2	27
30	Effects of doping concentration and annealing temperatures on the ferroelectric memory properties of yttrium doped HfO₂. Journal Physics D: Applied Physics, 2022, 55, 394001.	1.3	3
31	Building SiC-based composites from polycarbosilane-derived 3D-SiC scaffolds via polymer impregnation and pyrolysis (PIP). Journal of the European Ceramic Society, 2021, 41, 1121-1131.	2.8	23
32	Significantly enhanced breakdown strength and energy density in sandwich-structured nanocomposites with low-level BaTiO3 nanowires. Nano Energy, 2021, 79, 105412.	8.2	167
33	Perovskite Bi0.5Na0.5TiO3-based materials for dielectric capacitors with ultrahigh thermal stability. Materials and Design, 2021, 198, 109344.	3.3	19
34	Significant improvement of ferroelectricity and reliability in Hf0.5Zr0.5O2 films by inserting an ultrathin Al2O3 buffer layer. Applied Surface Science, 2021, 542, 148737.	3.1	34
35	Ultrafast Electric Field-Induced Phase Transition in Bulk Bi_{0.5}Na_{0.5}TiO₃ under High-Intensity Terahertz Irradiation. ACS Photonics, 2021, 8, 147-151.	3.2	8
36	n-Type Semiconductive Polymer and Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (fluoride-trifluoroethylene-chlorotrifluo Applied Polymer Materials, 2021, 3, 879-887.	2.0	18

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37	Polarisation tuneable piezo-catalytic activity of Nb-doped PZT with low Curie temperature for efficient CO₂ reduction and H₂ generation. Nanoscale Advances, 2021, 3, 1362-1374.	2.2	39
38	Superior photo-piezoelectric catalytic performance using Bi_{0.5}Na_{0.5}TiO₃@BiVO₄ based cloth. Journal of Materials Chemistry A, 2021, 9, 17841-17854.	5.2	33
39	Constructing High-Performance Dielectrics via Molecular and Phase Engineering in Dipolar Polymers. ACS Applied Energy Materials, 2021, 4, 2451-2462.	2.5	18
40	Terahertz Reading of Ferroelectric Domain Wall Dielectric Switching. ACS Applied Materials & Interfaces, 2021, 13, 12622-12628.	4.0	21
41	Construction of Bioâ€Piezoelectric Platforms: From Structures and Synthesis to Applications. Advanced Materials, 2021, 33, e2008452.	11.1	114
42	Fracture mode and compressive strength of ice-templated porous zirconia. Ceramics International, 2021, 47, 17373-17382.	2.3	6
43	Achieving Superior Energy Storage Properties of All-Organic Dielectric Polystyrene-Based Composites by Blending Rodâ€“Coil Block Copolymers. ACS Sustainable Chemistry and Engineering, 2021, 9, 8156-8169.	3.2	34
44	Structural Evolution in BiNbO4. Inorganic Chemistry, 2021, 60, 8507-8518.	1.9	4
45	Excellent catalytic performance of molten-salt-synthesized Bi0.5Na0.5TiO3 nanorods by the piezo-phototronic coupling effect. Nano Energy, 2021, 84, 105936.	8.2	89
46	Enhanced dielectric constant of PVDF-based nanocomposites with one-dimensional core-shell polypyrrole/sepiolite nanofibers. Composites Part A: Applied Science and Manufacturing, 2021, 145, 106384.	3.8	22
47	Hierarchically structured lead-free barium strontium titanate for low-grade thermal energy harvesting. Ceramics International, 2021, 47, 18761-18772.	2.3	6
48	All-Organic Polymer Dielectrics Containing Sulfonyl Dipolar Groups and Ï€â€“Ï€ Stacking Interaction in Side-Chain Architectures. Macromolecules, 2021, 54, 8195-8206.	2.2	46
49	Optimized preceramic polymer for 3D structured ceramics via fused deposition modeling. Journal of the European Ceramic Society, 2021, 41, 5066-5074.	2.8	17
50	Flexible pillar-base structured piezocomposite with aligned porosity for piezoelectric energy harvesting. Nano Energy, 2021, 88, 106278.	8.2	37
51	Phase structure and properties of sodium bismuth titanate lead-free piezoelectric ceramics. Progress in Materials Science, 2021, 122, 100836.	16.0	139
52	Temperature-stable Na0.5Bi0.5TiO3-based relaxor ceramics with high permittivity and large energy density under low electric fields. Journal of Alloys and Compounds, 2021, 882, 160755.	2.8	15
53	Investigation of transitions between the M-phases in AgNbO₃ based ceramics. Journal of Materials Chemistry A, 2021, 9, 3520-3529.	5.2	18
54	Tunable phase transitions in NaNbO₃ ceramics through bismuth/vacancy modification. Journal of Materials Chemistry C, 2021, 9, 4289-4299.	2.7	28

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55	Thickness-dependent ferroelectric properties of HfO2/ZrO2 nanolaminates using atomic layer deposition. Journal of Materials Science, 2021, 56, 6064-6072.	1.7	17
56	Facile one-step synthesis and enhanced photocatalytic activity of a WC/ferroelectric nanocomposite. Journal of Materials Chemistry A, 2021, 9, 22861-22870.	5.2	5
57	Enhanced performance of all-organic sandwich structured dielectrics with linear dielectric and ferroelectric polymers. Journal of Materials Chemistry A, 2021, 9, 8674-8684.	5.2	82
58	Terahertz Characterization of Lead-Free Dielectrics for Different Applications. ACS Applied Materials & Interfaces, 2021, 13, 53492-53503.	4.0	16
59	Grain Size Effects in Mn-Modified 0.67BiFeO₃â€“0.33BaTiO₃ Ceramics. ACS Applied Materials & Interfaces, 2021, 13, 57548-57559.	4.0	16
60	Symmetric Trilayer Dielectric Composites with High Energy Density Using a Low Loading of KNbO₃ Nanosheets. ACS Sustainable Chemistry and Engineering, 2021, 9, 15983-15994.	3.2	18
61	Ultrahigh energy density of poly(vinylidene fluoride) from synergistically improved dielectric constant and withstand voltage by tuning the crystallization behavior. Journal of Materials Chemistry A, 2021, 9, 27660-27671.	5.2	43
62	Porous ferroelectric materials for energy technologies: current status and future perspectives. Energy and Environmental Science, 2021, 14, 6158-6190.	15.6	56
63	Significantly enhanced permittivity and energy density in dielectric composites with aligned BaTiO₃ lamellar structures. Journal of Materials Chemistry A, 2020, 8, 3135-3144.	5.2	75
64	Ultralight porous SiC with attracting strength: Freeze casting of polycarbosilane/SiCp/camphene-based suspensions. Ceramics International, 2020, 46, 9582-9589.	2.3	15
65	3D-SiC decorated with SiC whiskers: Chemical vapor infiltration on the porous 3D-SiC lattices derived from polycarbosilane-based suspensions. Ceramics International, 2020, 46, 6234-6242.	2.3	27
66	Temperature dependent polarization-switching behavior in Hf0.5Zr0.5O2 ferroelectric film. Materialia, 2020, 14, 100919.	1.3	10
67	Phase transitions in RbPrNb2O7, a layer structuredÂferroelectric with a high Curie point. Acta Materialia, 2020, 200, 971-979.	3.8	10
68	Microfabrication of High-Aspect Ratio KNN Lead-Free Piezoceramic Pillar Arrays by Aqueous Gelcasting. Ceramics, 2020, 3, 287-296.	1.0	0
69	Electrospun Inorganic Nanofibers for Oxygen Electrocatalysis: Design, Fabrication, and Progress. Advanced Energy Materials, 2020, 10, 1902115.	10.2	111
70	High Breakdown Strength and Energy Density in Multilayer-Structured Ferroelectric Composite. ACS Omega, 2020, 5, 32660-32666.	1.6	19
71	Graphene Oxide/Copper Nanoderivatives-Modified Chitosan/Hyaluronic Acid Dressings for Facilitating Wound Healing in Infected Full-Thickness Skin Defects . International Journal of Nanomedicine, 2020, Volume 15, 8231-8247.	3.3	36
72	Chargeâ€“Ferroelectric Transition in Ultrathin Na_{0.5}Bi_{4.5}Ti₄O₁₅ Flakes Probed via a Dualâ€Gated Full van der Waals Transistor. Advanced Materials, 2020, 32, e2004813.	11.1	28

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73	3D printing of anisotropic polymer nanocomposites with aligned BaTiO₃ nanowires for enhanced energy density. Materials Advances, 2020, 1, 14-19.	2.6	14
74	Enhanced permittivity in polymer blends via tailoring the orderliness of semiconductive liquid crystalline polymers and intermolecular interactions. Journal of Materials Chemistry C, 2020, 8, 8440-8450.	2.7	31
75	Demonstration of Enhanced Piezo-Catalysis for Hydrogen Generation and Water Treatment at the Ferroelectric Curie Temperature. IScience, 2020, 23, 101095.	1.9	64
76	Core-shell TiO2@HfO2 nanowire arrays with designable shell thicknesses for improved permittivity and energy density in polymer nanocomposites. Composites Part A: Applied Science and Manufacturing, 2020, 137, 106012.	3.8	26
77	Enhanced piezoelectric properties in textured NaNbO3â€“BaTiO3â€“SrZrO3 ceramics by templated grain growth. Journal of Alloys and Compounds, 2020, 843, 155865.	2.8	9
78	Resistive switching in atomic layer deposited HfO2/ZrO2 nanolayer stacks. Applied Surface Science, 2020, 515, 146015.	3.1	30
79	Controlled Synthesis of Au Nanocrystals-Metal Selenide Hybrid Nanostructures toward Plasmon-Enhanced Photoelectrochemical Energy Conversion. Nanomaterials, 2020, 10, 564.	1.9	8
80	High piezoelectric response and excellent fatigue resistance in Rb-substituted BNTâ€“BKTâ€“BT ceramics. Journal of Materials Science, 2020, 55, 7634-7644.	1.7	7
81	Polymer-based dielectric nanocomposites with high energy density via using natural sepiolite nanofibers. Chemical Engineering Journal, 2020, 401, 126095.	6.6	60
82	Harnessing Plasticity in an Amineâ€Borane as a Piezoelectric and Pyroelectric Flexible Film. Angewandte Chemie - International Edition, 2020, 59, 7808-7812.	7.2	32
83	Suppressed polarization by epitaxial growth of SrTiO₃ on BaTiO₃ nanoparticles for high discharged energy density and efficiency nanocomposites. Nanoscale, 2020, 12, 8230-8236.	2.8	31
84	Terahertz Probing Irreversible Phase Transitions Related to Polar Clusters in Bi_{0.5}Na_{0.5}TiO₃â€Based Ferroelectric. Advanced Electronic Materials, 2020, 6, 1901373.	2.6	10
85	Obvious ferroelectricity in undoped HfO₂ films by chemical solution deposition. Journal of Materials Chemistry C, 2020, 8, 2820-2826.	2.7	40
86	Effects of composite layer thickness and driving conditions on the actuating performance of shear piezoelectric fiber composite. Measurement: Journal of the International Measurement Confederation, 2020, 154, 107500.	2.5	1
87	Large-scale Roll-to-Roll Micro-gravure Printed Flexible PBDB-T/IT-M Bulk Heterojunction Photodetectors. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	7
88	3Dâ€Printed Microelectrodes with a Developed Conductive Network and Hierarchical Pores toward High Areal Capacity for Microbatteries. Advanced Materials Technologies, 2019, 4, 1800402.	3.0	51
89	Interface design for high energy density polymer nanocomposites. Chemical Society Reviews, 2019, 48, 4424-4465.	18.7	531
90	Investigation of shear piezoelectric fiber composite for flexible sensor application. Smart Materials and Structures, 2019, 28, 125015.	1.8	2

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91	Porous alumina ceramic via gelcasting based on 2-hydroxyethyl methacrylate dissolved in tert-butyl alcohol. Transactions of Nonferrous Metals Society of China, 2019, 29, 1714-1720.	1.7	5
92	Superior Thermal Stability of High Energy Density and Power Density in Domain-Engineered Bi_{0.5}Na_{0.5}TiO₃â€“NaTaO₃ Relaxor Ferroelectrics. ACS Applied Materials & Interfaces, 2019, 11, 43107-43115.	4.0	189
93	Cascaded plasmonic nanorod antenna for large broadband local electric field enhancement. Chinese Physics B, 2019, 28, 107802.	0.7	2
94	Enhanced Selective H₂S Oxidation Performance on Mo₂C-Modified g-C₃N₄. ACS Sustainable Chemistry and Engineering, 2019, 7, 16257-16263.	3.2	39
95	Enhanced dielectric properties of poly(vinylidene fluoride-co-hexafluoropropylene) nanocomposites using oriented nickel nanowires. Composites Communications, 2019, 16, 11-19.	3.3	24
96	3D SiC containing uniformly dispersed, aligned SiC whiskers: Printability, microstructure and mechanical properties. Journal of Alloys and Compounds, 2019, 809, 151824.	2.8	32
97	Dual-Purpose Magnesium-Incorporated Titanium Nanotubes for Combating Bacterial Infection and Ameliorating Osteolysis to Realize Better Osseointegration. ACS Biomaterials Science and Engineering, 2019, 5, 5368-5383.	2.6	38
98	Excellent energy-storage properties of NaNbO3-based lead-free antiferroelectric orthorhombic P-phase (Pbma) ceramics with repeatable double polarization-field loops. Journal of the European Ceramic Society, 2019, 39, 3703-3709.	2.8	80
99	Large energy density with excellent stability in fine-grained (Bi0.5Na0.5)TiO3-based lead-free ceramics. Journal of the European Ceramic Society, 2019, 39, 4053-4059.	2.8	85
100	Phase structure dependence of acceptor doping effects in (Bi0.5Na0.5)TiO3â€“BaTiO3 lead-free ceramics. Journal of Alloys and Compounds, 2019, 802, 6-12.	2.8	13
101	Effect of Epoxy Resin on the Actuating Performance of Piezoelectric Fiber Composites. Sensors, 2019, 19, 1809.	2.1	4
102	Fully-printed, flexible cesium-doped triple cation perovskite photodetector. Applied Materials Today, 2019, 15, 389-397.	2.3	41
103	Silver niobate based lead-free ceramics with high energy storage density. Journal of Materials Chemistry A, 2019, 7, 10702-10711.	5.2	135
104	SiCw/SiCp reinforced 3D-SiC ceramics using direct ink writing of polycarbosilane-based solution: Microstructure, composition and mechanical properties. Journal of the European Ceramic Society, 2019, 39, 2648-2657.	2.8	48
105	Electrical properties and relaxor phase evolution of Nb-Modified Bi0.5Na0.5TiO3-Bi0.5K0.5TiO3-SrTiO3 lead-free ceramics. Journal of the European Ceramic Society, 2019, 39, 2310-2317.	2.8	39
106	Optimising the dielectric property of carbon nanotubes/P(VDFâ€CTFE) nanocomposites by tailoring the shell thickness of liquid crystalline polymer modified layer. IET Nanodielectrics, 2019, 2, 142-150.	2.0	14
107	Sandwich-structured all-organic composites with high breakdown strength and high dielectric constant for film capacitor. Composites Part A: Applied Science and Manufacturing, 2019, 117, 369-376.	3.8	65
108	Coreâ€“Shell Nanostructure Design in Polymer Nanocomposite Capacitors for Energy Storage Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 3145-3153.	3.2	96

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109	Preparation of high strength zirconia by epoxy gel-casting using hydantion epoxy resin as a gelling agent. Materials Science and Engineering C, 2019, 96, 280-285.	3.8	7
110	High-performance supercapacitor carbon electrode fabricated by large-scale roll-to-roll micro-gravure printing. Journal Physics D: Applied Physics, 2019, 52, 115501.	1.3	17
111	Regulating crystal structure and ferroelectricity in Sr doped HfO2 thin films fabricated by metallo-organic decomposition. Ceramics International, 2019, 45, 3140-3147.	2.3	33
112	BaTiO3 platelets and poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) hybrid composites for energy storage application. Mechanical Systems and Signal Processing, 2018, 108, 48-57.	4.4	31
113	Molten salt synthesis and characterization of lead-free (1-x)Na0.5Bi0.5TiO3-xSrTiO3 (xâ€¯=â€¯0, 0.10, 0.26) whiskers. Ceramics International, 2018, 44, 9174-9180.	2.3	7
114	High Discharge Energy Density at Low Electric Field Using an Aligned Titanium Dioxide/Lead Zirconate Titanate Nanowire Array. Advanced Science, 2018, 5, 1700512.	5.6	154
115	Using a novel rigid-fluoride polymer to control the interfacial thickness of graphene and tailor the dielectric behavior of poly(vinylidene fluorideâ€“trifluoroethyleneâ€“chlorotrifluoroethylene) nanocomposites. Physical Chemistry Chemical Physics, 2018, 20, 2826-2837.	1.3	35
116	Porous SiC ceramics with dendritic pore structures by freeze casting from chemical cross-linked polycarbosilane. Ceramics International, 2018, 44, 6293-6299.	2.3	55
117	Effect of Tb/Mg doping on composition and physical properties of hydroxyapatite nanoparticles for gene vector application. Transactions of Nonferrous Metals Society of China, 2018, 28, 125-136.	1.7	11
118	Multiple Effects Tailoring the Self-organization Behaviors of Triphenylene Side-chain Liquid Crystalline Polymers via Changing the Spacer Length. Chinese Journal of Polymer Science (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	11
119	Enhanced performance of P(VDF-HFP) composites using two-dimensional BaTiO3 platelets and graphene hybrids. Composites Science and Technology, 2018, 160, 237-244.	3.8	34
120	Improved energy density and dielectric properties of P(VDF-HFP) composites with TiO2 nanowire clusters. Journal of Electroceramics, 2018, 40, 65-71.	0.8	16
121	Chemical solution deposition of ferroelectric Sr:HfO2 film from inorganic salt precursors. Journal of Alloys and Compounds, 2018, 731, 546-553.	2.8	33
122	Na2Ti6O13@TiO2 core-shell nanorods with controllable mesoporous shells and their enhanced photocatalytic performance. Applied Surface Science, 2018, 427, 1183-1192.	3.1	22
123	Significantly improved energy density of BaTiO₃ nanocomposites by accurate interfacial tailoring using a novel rigid-fluoro-polymer. Polymer Chemistry, 2018, 9, 548-557.	1.9	55
124	Phase evolution and electrical behaviour of samarium-substituted bismuth ferrite ceramics. Journal of the European Ceramic Society, 2018, 38, 1374-1380.	2.8	15
125	Improved dielectric constant and energy density of P(VDF-HFP) composites using NBT-xST (x=0, 0.10,) Tj ETQq1 1 0.784314 rgBT /Ov	1.5	5
126	Interfacial engineering tailoring the dielectric behavior and energy density of BaTiO3/P(VDF-TrFE-CTFE) nanocomposites by regulating a liquid-crystalline polymer modifier structure. Dalton Transactions, 2018, 47, 12759-12768.	1.6	20

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127	Enhanced permittivity and energy density of P(VDF-HFP)-based capacitor using core-shell structured BaTiO3@TiO2 fillers. Ionics, 2018, 24, 3975-3982.	1.2	17
128	Efficient second harmonic generation in goldâ€“silicon coreâ€“shell nanostructures. Optics Express, 2018, 26, 5835.	1.7	13
129	Enhanced performance in multilayer-structured nanocomposites using BaTiO3 and Ba0.8Sr0.2TiO3 decorated graphene hybrids. Ceramics International, 2018, 44, 20871-20876.	2.3	22
130	3D printing of SiC ceramic: Direct ink writing with a solution of preceramic polymers. Journal of the European Ceramic Society, 2018, 38, 5294-5300.	2.8	107
131	High energy density in PVDF nanocomposites using an optimized nanowire array. Physical Chemistry Chemical Physics, 2018, 20, 18031-18037.	1.3	26
132	Aligned macroporous TiO2/chitosan/reduced graphene oxide (rGO) composites for photocatalytic applications. Applied Surface Science, 2017, 424, 170-176.	3.1	37
133	Enhanced pyroelectric and piezoelectric properties of PZT with aligned porosity for energy harvesting applications. Journal of Materials Chemistry A, 2017, 5, 6569-6580.	5.2	176
134	High performance capacitors via aligned TiO2 nanowire array. Applied Physics Letters, 2017, 110, .	1.5	56
135	Significantly Enhanced Energy Storage Density by Modulating the Aspect Ratio of BaTiO3 Nanofibers. Scientific Reports, 2017, 7, 45179.	1.6	61
136	A novel thickness polarized d15 shear piezoelectric fiber composites. Sensors and Actuators A: Physical, 2017, 260, 185-190.	2.0	13
137	Direct ink writing of zirconia three-dimensional structures. Journal of Materials Chemistry C, 2017, 5, 5867-5871.	2.7	54
138	Mechanical performance of piezoelectric fiber composites and electroelastic field concentration near the electrode edges. Materials and Design, 2017, 128, 71-79.	3.3	4
139	Influence of main chain on the phase behaviors of sideâ€chain liquidâ€crystalline polymers with triphenylene mesogens of long alkyl tail substituents. Journal of Polymer Science Part A, 2017, 55, 754-766.	2.5	15
140	Self-organization behaviours of hemiphasmidic side-chain liquid-crystalline polymers with different spacer lengths. New Journal of Chemistry, 2017, 41, 7553-7561.	1.4	9
141	High energy density in P(VDF-HFP) nanocomposite with paraffin engineered BaTiO3 nanoparticles. Sensors and Actuators A: Physical, 2017, 260, 228-235.	2.0	33
142	Synthesis of Ag/TiO2 coreâ€“shell nanowires with enhanced stability of photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2017, 28, 10715-10719.	1.1	8
143	Enhanced actuation performance of piezoelectric fiber composites induced by incorporated BaTiO 3 nanoparticles in epoxy resin. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1641-1647.	0.9	16
144	Ultra-high discharged energy density capacitor using high aspect ratio Na_{0.5}Bi_{0.5}TiO₃ nanofibers. Journal of Materials Chemistry A, 2017, 5, 7091-7102.	5.2	157

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145	Roll-to-roll micro-gravure printed large-area zinc oxide thin film as the electron transport layer for solution-processed polymer solar cells. Organic Electronics, 2017, 45, 190-197.	1.4	87
146	Enhanced energy density in P(VDF-HFP) nanocomposites with gradient dielectric fillers and interfacial polarization. Journal of Alloys and Compounds, 2017, 696, 1220-1227.	2.8	60
147	High Performance Capacitors Using BaTiO₃ Nanowires Engineered by Rigid Liquid-crystalline Polymers. Journal of Physical Chemistry C, 2017, 121, 20075-20083.	1.5	41
148	Investigation of temperature sensitivity of actuation performance for piezoelectric fiber composites. Ceramics International, 2017, 43, 10590-10594.	2.3	11
149	Synthesis of Na0.5Bi0.5TiO3 whiskers and their nanoscale piezoelectricity. Ceramics International, 2017, 43, 11274-11280.	2.3	13
150	Rheological behavior of Al2O3 suspensions containing polyelectrolyte complexes for direct ink writing. Powder Technology, 2017, 320, 223-229.	2.1	42
151	Topochemical transformation of two-dimensional single crystalline Na_{0.5}Bi_{0.5}TiO₃â€“BaTiO₃ platelets from Na_{0.5}Bi_{4.5}Ti₄O₁₅ precursors and their piezoelectricity. Journal of Materials Chemistry A, 2017, 5, 15780-15788.	5.2	8
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