

# Dou Zhang

## List of Publications by Year in descending order

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218  
papers

7,739  
citations

53794

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74  
g-index

219  
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219  
docs citations

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times ranked

5391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced energy density in sandwich-structured P(VDF-HFP) nanocomposites containing Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> nanofibers. Chemical Engineering Journal, 2022, 436, 131123.	12.7	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.	7.6	34
3	Evaluation of the pore morphologies for piezoelectric energy harvesting application. Ceramics International, 2022, 48, 5017-5025.	4.8	14
4	Piezo-photoelectronic coupling effect of BaTiO <sub>3</sub> @TiO <sub>2</sub> nanowires for highly concentrated dye degradation. Nano Energy, 2022, 92, 106702.	16.0	100
5	Synergistic enhancement of piezoelectricity and thermal stability in AlN-doped Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -based ceramics. Journal of the European Ceramic Society, 2022, 42, 1425-1433.	5.7	13
6	Extremely low loading of carbon quantum dots for high energy density in polyetherimide nanocomposites. Chemical Engineering Journal, 2022, 433, 133601.	12.7	26
7	Constructing a correlation between ferroelectricity and grain sizes in Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> ferroelectric thin films. CrystEngComm, 2022, 24, 1731-1737.	2.6	11
8	Enhanced dielectric constant and breakdown strength in dielectric composites using TiO <sub>2</sub> @HfO <sub>2</sub> nanowires with gradient dielectric constant. Ceramics International, 2022, 48, 12483-12489.	4.8	12
9	HfO <sub>2</sub> -based ferroelectrics: From enhancing performance, material design, to applications. Applied Physics Reviews, 2022, 9, .	11.3	49
10	Modulation of ferroelectricity in atomic layer deposited HfO <sub>2</sub> /ZrO <sub>2</sub> multilayer films. Materials Letters, 2022, 313, 131732.	2.6	3
11	Concurrently enhanced dielectric properties and energy density in poly(vinylidene fluoride)-based core-shell BaTiO <sub>3</sub> nanocomposites via constructing a polar and rigid polymer interfacial layer. Journal of Materials Chemistry C, 2022, 10, 6323-6333.	5.5	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.	10.3	28
13	High energy storage, structure evolution and dielectric properties of complex perovskite solid solution (1-x) NaNbO <sub>3</sub> -xBi (Zn <sub>2</sub> /3Nb <sub>1</sub> /3) O <sub>3</sub> . Journal of Electroceramics, 2022, 48, 111-116.	2.0	7
14	Surface-Decorated Graphene Oxide Sheets with Copper Nanoderivatives for Bone Regeneration: An <i>In Vitro</i> and <i>In Vivo</i> Study Regarding Molecular Mechanisms, Osteogenesis, and Anti-infection Potential. ACS Infectious Diseases, 2022, 8, 499-515.	3.8	7
15	Direct ink writing of 3D piezoelectric ceramics with complex unsupported structures. Journal of the European Ceramic Society, 2022, 42, 3841-3847.	5.7	10
16	Reconfigurable Quasi-Nonvolatile Memory/Subthermionic FET Functions in Ferroelectric 2D Semiconductor vdW Architectures. Advanced Materials, 2022, 34, e2200032.	21.0	18
17	Electrospinning Synthesis of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> Nanofibers for Dielectric Capacitors in Energy Storage Application. Nanomaterials, 2022, 12, 906.	4.1	6
18	Flexible Perovskite Solar Cells: From Materials and Device Architectures to Applications. ACS Energy Letters, 2022, 7, 1412-1445.	17.4	54

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19	Bilayer structured PVDF-based composites via integrating BaTiO <sub>3</sub> nanowire arrays and BN nanosheets for high energy density capacitors. Chemical Engineering Journal, 2022, 437, 135497.	12.7	37
20	Improved photocatalytic performance of gradient reduced TiO <sub>2</sub> 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.	7.8	38
22	Three dimensional BaTiO <sub>3</sub> piezoelectric ceramics coated with TiO <sub>2</sub> nanoarray for high performance of piezo-photoelectric catalysis. Nano Energy, 2022, 98, 107267.	16.0	25
23	Improved Energy Density and Energy Efficiency of Poly(vinylidene difluoride) Nanocomposite Dielectrics Using 0.93Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -0.07BaTiO <sub>3</sub> Nanofibers. ACS Applied Materials & Interfaces, 2022, 14, 19376-19387.	8.0	22
24	Piezo-assisted photoelectric catalysis degradation for dyes and antibiotics by Ag dots-modified NaNbO <sub>3</sub> powders. Ceramics International, 2022, 48, 23182-23194.	4.8	23
25	All-organic polymer dielectrics prepared via optimization of sequential structure of polystyrene-based copolymers. Chemical Engineering Journal, 2022, 446, 137106.	12.7	16
26	Synthesis of dielectric polystyrene via one-step nitration reaction for large-scale energy storage. Chemical Engineering Journal, 2022, 446, 137281.	12.7	38
27	Novel Therapeutic Strategy for Bacteria-Contaminated Bone Defects: Reconstruction with Multi-Biofunctional GO/Cu- Incorporated 3D Scaffolds. Advanced Therapeutics, 2022, 5, .	3.2	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.	7.6	14
29	Silver niobate perovskites: structure, properties and multifunctional applications. Journal of Materials Chemistry A, 2022, 10, 14747-14787.	10.3	27
30	Effects of doping concentration and annealing temperatures on the ferroelectric memory properties of yttrium doped HfO <sub>2</sub> . Journal Physics D: Applied Physics, 2022, 55, 394001.	2.8	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.	5.7	23
32	Significantly enhanced breakdown strength and energy density in sandwich-structured nanocomposites with low-level BaTiO <sub>3</sub> nanowires. Nano Energy, 2021, 79, 105412.	16.0	167
33	Perovskite Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -based materials for dielectric capacitors with ultrahigh thermal stability. Materials and Design, 2021, 198, 109344.	7.0	19
34	Significant improvement of ferroelectricity and reliability in Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> films by inserting an ultrathin Al <sub>2</sub> O <sub>3</sub> buffer layer. Applied Surface Science, 2021, 542, 148737.	6.1	34
35	Ultrafast Electric Field-Induced Phase Transition in Bulk Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> under High-Intensity Terahertz Irradiation. ACS Photonics, 2021, 8, 147-151.	6.6	8
36	n-Type Semiconductive Polymer and Poly(vinylidene) Tj ETQqO O O rgBT /Overlock 10 Tf 50 67 Td (fluoride-trifluoroethylene-chlorotrifluoro) Applied Polymer Materials, 2021, 3, 879-887.	4.4	18

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37	Polarisation tuneable piezo-catalytic activity of Nb-doped PZT with low Curie temperature for efficient CO <sub>2</sub> reduction and H <sub>2</sub> generation. Nanoscale Advances, 2021, 3, 1362-1374.	4.6	39
38	Superior photo-piezoelectric catalytic performance using Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> @BiVO <sub>4</sub> based cloth. Journal of Materials Chemistry A, 2021, 9, 17841-17854.	10.3	33
39	Constructing High-Performance Dielectrics via Molecular and Phase Engineering in Dipolar Polymers. ACS Applied Energy Materials, 2021, 4, 2451-2462.	5.1	18
40	Terahertz Reading of Ferroelectric Domain Wall Dielectric Switching. ACS Applied Materials & Interfaces, 2021, 13, 12622-12628.	8.0	21
41	Construction of Bio-Piezoelectric Platforms: From Structures and Synthesis to Applications. Advanced Materials, 2021, 33, e2008452.	21.0	114
42	Fracture mode and compressive strength of ice-templated porous zirconia. Ceramics International, 2021, 47, 17373-17382.	4.8	6
43	Achieving Superior Energy Storage Properties of All-Organic Dielectric Polystyrene-Based Composites by Blending Rod-Coil Block Copolymers. ACS Sustainable Chemistry and Engineering, 2021, 9, 8156-8169.	6.7	34
44	Structural Evolution in BiNbO <sub>4</sub> . Inorganic Chemistry, 2021, 60, 8507-8518.	4.0	4
45	Excellent catalytic performance of molten-salt-synthesized Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> nanorods by the piezo-phototronic coupling effect. Nano Energy, 2021, 84, 105936.	16.0	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.	7.6	22
47	Hierarchically structured lead-free barium strontium titanate for low-grade thermal energy harvesting. Ceramics International, 2021, 47, 18761-18772.	4.8	6
48	All-Organic Polymer Dielectrics Containing Sulfonyl Dipolar Groups and $\pi$ - $\pi$ Stacking Interaction in Side-Chain Architectures. Macromolecules, 2021, 54, 8195-8206.	4.8	46
49	Optimized preceramic polymer for 3D structured ceramics via fused deposition modeling. Journal of the European Ceramic Society, 2021, 41, 5066-5074.	5.7	17
50	Flexible pillar-base structured piezocomposite with aligned porosity for piezoelectric energy harvesting. Nano Energy, 2021, 88, 106278.	16.0	37
51	Phase structure and properties of sodium bismuth titanate lead-free piezoelectric ceramics. Progress in Materials Science, 2021, 122, 100836.	32.8	139
52	Temperature-stable Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -based relaxor ceramics with high permittivity and large energy density under low electric fields. Journal of Alloys and Compounds, 2021, 882, 160755.	5.5	15
53	Investigation of transitions between the M-phases in AgNbO <sub>3</sub> based ceramics. Journal of Materials Chemistry A, 2021, 9, 3520-3529.	10.3	18
54	Tunable phase transitions in NaNbO <sub>3</sub> ceramics through bismuth/vacancy modification. Journal of Materials Chemistry C, 2021, 9, 4289-4299.	5.5	28

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55	Thickness-dependent ferroelectric properties of HfO <sub>2</sub> /ZrO <sub>2</sub> nanolaminates using atomic layer deposition. Journal of Materials Science, 2021, 56, 6064-6072.	3.7	17
56	Facile one-step synthesis and enhanced photocatalytic activity of a WC/ferroelectric nanocomposite. Journal of Materials Chemistry A, 2021, 9, 22861-22870.	10.3	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.	10.3	82
58	Terahertz Characterization of Lead-Free Dielectrics for Different Applications. ACS Applied Materials & Interfaces, 2021, 13, 53492-53503.	8.0	16
59	Grain Size Effects in Mn-Modified 0.67BiFeO <sub>3</sub> –0.33BaTiO <sub>3</sub> Ceramics. ACS Applied Materials & Interfaces, 2021, 13, 57548-57559.	8.0	16
60	Symmetric Trilayer Dielectric Composites with High Energy Density Using a Low Loading of KNbO <sub>3</sub> Nanosheets. ACS Sustainable Chemistry and Engineering, 2021, 9, 15983-15994.	6.7	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.	10.3	43
62	Porous ferroelectric materials for energy technologies: current status and future perspectives. Energy and Environmental Science, 2021, 14, 6158-6190.	30.8	56
63	Significantly enhanced permittivity and energy density in dielectric composites with aligned BaTiO <sub>3</sub> lamellar structures. Journal of Materials Chemistry A, 2020, 8, 3135-3144.	10.3	75
64	Ultralight porous SiC with attracting strength: Freeze casting of polycarbosilane/SiCp/camphene-based suspensions. Ceramics International, 2020, 46, 9582-9589.	4.8	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.	4.8	27
66	Temperature dependent polarization-switching behavior in Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> ferroelectric film. Materialia, 2020, 14, 100919.	2.7	10
67	Phase transitions in RbPrNb <sub>2</sub> O <sub>7</sub> , a layer structured ferroelectric with a high Curie point. Acta Materialia, 2020, 200, 971-979.	7.9	10
68	Microfabrication of High-Aspect Ratio KNN Lead-Free Piezoceramic Pillar Arrays by Aqueous Gelcasting. Ceramics, 2020, 3, 287-296.	2.6	0
69	Electrospun Inorganic Nanofibers for Oxygen Electrocatalysis: Design, Fabrication, and Progress. Advanced Energy Materials, 2020, 10, 1902115.	19.5	111
70	High Breakdown Strength and Energy Density in Multilayer-Structured Ferroelectric Composite. ACS Omega, 2020, 5, 32660-32666.	3.5	19
71	&lt;p>&gt;Graphene Oxide/Copper Nanoderivatives-Modified Chitosan/Hyaluronic Acid Dressings for Facilitating Wound Healing in Infected Full-Thickness Skin Defects&lt;p>&gt;. International Journal of Nanomedicine, 2020, Volume 15, 8231-8247.	6.7	36
72	Charge–Ferroelectric Transition in Ultrathin Na <sub>0.5</sub> Bi <sub>4.5</sub> Ti <sub>4</sub> O <sub>15</sub> Flakes Probed via a Dual–Gated Full van der Waals Transistor. Advanced Materials, 2020, 32, e2004813.	21.0	28

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73	3D printing of anisotropic polymer nanocomposites with aligned BaTiO <sub>3</sub> nanowires for enhanced energy density. Materials Advances, 2020, 1, 14-19.	5.4	14
74	Enhanced permittivity in polymer blends <i>via</i> tailoring the orderliness of semiconductive liquid crystalline polymers and intermolecular interactions. Journal of Materials Chemistry C, 2020, 8, 8440-8450.	5.5	31
75	Demonstration of Enhanced Piezo-Catalysis for Hydrogen Generation and Water Treatment at the Ferroelectric Curie Temperature. IScience, 2020, 23, 101095.	4.1	64
76	Core-shell TiO <sub>2</sub> @HfO <sub>2</sub> 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.	7.6	26
77	Enhanced piezoelectric properties in textured NaNbO <sub>3</sub> â€“BaTiO <sub>3</sub> â€“SrZrO <sub>3</sub> ceramics by templated grain growth. Journal of Alloys and Compounds, 2020, 843, 155865.	5.5	9
78	Resistive switching in atomic layer deposited HfO <sub>2</sub> /ZrO <sub>2</sub> nanolayer stacks. Applied Surface Science, 2020, 515, 146015.	6.1	30
79	Controlled Synthesis of Au Nanocrystals-Metal Selenide Hybrid Nanostructures toward Plasmon-Enhanced Photoelectrochemical Energy Conversion. Nanomaterials, 2020, 10, 564.	4.1	8
80	High piezoelectric response and excellent fatigue resistance in Rb-substituted BNTâ€“BKTâ€“BT ceramics. Journal of Materials Science, 2020, 55, 7634-7644.	3.7	7
81	Polymer-based dielectric nanocomposites with high energy density via using natural sepiolite nanofibers. Chemical Engineering Journal, 2020, 401, 126095.	12.7	60
82	Harnessing Plasticity in an Amineâ€“Borane as a Piezoelectric and Pyroelectric Flexible Film. Angewandte Chemie - International Edition, 2020, 59, 7808-7812.	13.8	32
83	Suppressed polarization by epitaxial growth of SrTiO <sub>3</sub> on BaTiO <sub>3</sub> nanoparticles for high discharged energy density and efficiency nanocomposites. Nanoscale, 2020, 12, 8230-8236.	5.6	31
84	Terahertz Probing Irreversible Phase Transitions Related to Polar Clusters in Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> â€“Based Ferroelectric. Advanced Electronic Materials, 2020, 6, 1901373.	5.1	10
85	Obvious ferroelectricity in undoped HfO <sub>2</sub> films by chemical solution deposition. Journal of Materials Chemistry C, 2020, 8, 2820-2826.	5.5	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.	5.0	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.	2.3	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.	5.8	51
89	Interface design for high energy density polymer nanocomposites. Chemical Society Reviews, 2019, 48, 4424-4465.	38.1	531
90	Investigation of shear piezoelectric fiber composite for flexible sensor application. Smart Materials and Structures, 2019, 28, 125015.	3.5	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.	4.2	5
92	Superior Thermal Stability of High Energy Density and Power Density in Domain-Engineered $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{-}\lambda\text{-NaTaO}_3$ Relaxor Ferroelectrics. ACS Applied Materials & Interfaces, 2019, 11, 43107-43115.	8.0	189
93	Cascaded plasmonic nanorod antenna for large broadband local electric field enhancement. Chinese Physics B, 2019, 28, 107802.	1.4	2
94	Enhanced Selective $\text{H}_2\text{S}$ Oxidation Performance on $\text{Mo}_2\text{C}$ -Modified $\text{g-C}_3\text{N}_4$ . ACS Sustainable Chemistry and Engineering, 2019, 7, 16257-16263.	6.7	39
95	Enhanced dielectric properties of poly(vinylidene fluoride-co-hexafluoropropylene) nanocomposites using oriented nickel nanowires. Composites Communications, 2019, 16, 11-19.	6.3	24
96	3D SiC containing uniformly dispersed, aligned SiC whiskers: Printability, microstructure and mechanical properties. Journal of Alloys and Compounds, 2019, 809, 151824.	5.5	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.	5.2	38
98	Excellent energy-storage properties of $\text{NaNbO}_3$ -based lead-free antiferroelectric orthorhombic P-phase ( $\text{Pbma}$ ) ceramics with repeatable double polarization-field loops. Journal of the European Ceramic Society, 2019, 39, 3703-3709.	5.7	80
99	Large energy density with excellent stability in fine-grained $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -based lead-free ceramics. Journal of the European Ceramic Society, 2019, 39, 4053-4059.	5.7	85
100	Phase structure dependence of acceptor doping effects in $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3\text{-}\lambda\text{-BaTiO}_3$ lead-free ceramics. Journal of Alloys and Compounds, 2019, 802, 6-12.	5.5	13
101	Effect of Epoxy Resin on the Actuating Performance of Piezoelectric Fiber Composites. Sensors, 2019, 19, 1809.	3.8	4
102	Fully-printed, flexible cesium-doped triple cation perovskite photodetector. Applied Materials Today, 2019, 15, 389-397.	4.3	41
103	Silver niobate based lead-free ceramics with high energy storage density. Journal of Materials Chemistry A, 2019, 7, 10702-10711.	10.3	135
104	$\text{SiC}_w/\text{SiC}_p$ 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.	5.7	48
105	Electrical properties and relaxor phase evolution of Nb-Modified $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{-}\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3\text{-}\text{SrTiO}_3$ lead-free ceramics. Journal of the European Ceramic Society, 2019, 39, 2310-2317.	5.7	39
106	Optimising the dielectric property of carbon nanotubes/P(VDF- $\lambda$ -CTFE) nanocomposites by tailoring the shell thickness of liquid crystalline polymer modified layer. IET Nanodielectrics, 2019, 2, 142-150.	4.1	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.	7.6	65
108	Core- $\lambda$ -Shell Nanostructure Design in Polymer Nanocomposite Capacitors for Energy Storage Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 3145-3153.	6.7	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.	7.3	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.	2.8	17
111	Regulating crystal structure and ferroelectricity in Sr doped HfO <sub>2</sub> thin films fabricated by metallo-organic decomposition. Ceramics International, 2019, 45, 3140-3147.	4.8	33
112	BaTiO <sub>3</sub> platelets and poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) hybrid composites for energy storage application. Mechanical Systems and Signal Processing, 2018, 108, 48-57.	8.0	31
113	Molten salt synthesis and characterization of lead-free (1-x)Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -xSrTiO <sub>3</sub> (x=0, 0.10, 0.26) whiskers. Ceramics International, 2018, 44, 9174-9180.	4.8	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.	11.2	154
115	Using a novel rigid-fluoride polymer to control the interfacial thickness of graphene and tailor the dielectric behavior of poly(vinylidene fluoride-trifluoroethylene-chlorotrifluoroethylene) nanocomposites. Physical Chemistry Chemical Physics, 2018, 20, 2826-2837.	2.8	35
116	Porous SiC ceramics with dendritic pore structures by freeze casting from chemical cross-linked polycarbosilane. Ceramics International, 2018, 44, 6293-6299.	4.8	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.	4.2	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) 2018, 30, 101-110.	2.4	5
119	Enhanced performance of P(VDF-HFP) composites using two-dimensional BaTiO <sub>3</sub> platelets and graphene hybrids. Composites Science and Technology, 2018, 160, 237-244.	7.8	34
120	Improved energy density and dielectric properties of P(VDF-HFP) composites with TiO <sub>2</sub> nanowire clusters. Journal of Electroceramics, 2018, 40, 65-71.	2.0	16
121	Chemical solution deposition of ferroelectric Sr:HfO <sub>2</sub> film from inorganic salt precursors. Journal of Alloys and Compounds, 2018, 731, 546-553.	5.5	33
122	Na <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> @TiO <sub>2</sub> core-shell nanorods with controllable mesoporous shells and their enhanced photocatalytic performance. Applied Surface Science, 2018, 427, 1183-1192.	6.1	22
123	Significantly improved energy density of BaTiO <sub>3</sub> nanocomposites by accurate interfacial tailoring using a novel rigid-fluoro-polymer. Polymer Chemistry, 2018, 9, 548-557.	3.9	55
124	Phase evolution and electrical behaviour of samarium-substituted bismuth ferrite ceramics. Journal of the European Ceramic Society, 2018, 38, 1374-1380.	5.7	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 /Overl	2.4	5
126	Interfacial engineering tailoring the dielectric behavior and energy density of BaTiO <sub>3</sub> /P(VDF-TrFE-CTFE) nanocomposites by regulating a liquid-crystalline polymer modifier structure. Dalton Transactions, 2018, 47, 12759-12768.	3.3	20



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127	Enhanced permittivity and energy density of P(VDF-HFP)-based capacitor using core-shell structured BaTiO <sub>3</sub> @TiO <sub>2</sub> fillers. <i>Ionics</i> , 2018, 24, 3975-3982.	2.4	17
128	Efficient second harmonic generation in gold-silicon core-shell nanostructures. <i>Optics Express</i> , 2018, 26, 5835.	3.4	13
129	Enhanced performance in multilayer-structured nanocomposites using BaTiO <sub>3</sub> and Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> decorated graphene hybrids. <i>Ceramics International</i> , 2018, 44, 20871-20876.	4.8	22
130	3D printing of SiC ceramic: Direct ink writing with a solution of preceramic polymers. <i>Journal of the European Ceramic Society</i> , 2018, 38, 5294-5300.	5.7	107
131	High energy density in PVDF nanocomposites using an optimized nanowire array. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18031-18037.	2.8	26
132	Aligned macroporous TiO <sub>2</sub> /chitosan/reduced graphene oxide (rGO) composites for photocatalytic applications. <i>Applied Surface Science</i> , 2017, 424, 170-176.	6.1	37
133	Enhanced pyroelectric and piezoelectric properties of PZT with aligned porosity for energy harvesting applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6569-6580.	10.3	176
134	High performance capacitors via aligned TiO <sub>2</sub> nanowire array. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	56
135	Significantly Enhanced Energy Storage Density by Modulating the Aspect Ratio of BaTiO <sub>3</sub> Nanofibers. <i>Scientific Reports</i> , 2017, 7, 45179.	3.3	61
136	A novel thickness polarized d <sub>15</sub> shear piezoelectric fiber composites. <i>Sensors and Actuators A: Physical</i> , 2017, 260, 185-190.	4.1	13
137	Direct ink writing of zirconia three-dimensional structures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5867-5871.	5.5	54
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