Lingmin Yao

List of Publications by Year
in descending order

27 papers	2,478 citations	331670 21 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	1802 citing authors

#	Article	IF	Citations
1	Two-Dimensional Fillers Induced Superior Electrostatic Energy Storage Performance in Trilayered Architecture Nanocomposites. ACS Applied Materials & Interfaces, 2022, 14, 8448-8457.	8.0	30
2	Substantially improved energy storage capability of ferroelectric thin films for application in high-temperature capacitors. Journal of Materials Chemistry A, 2021, 9, 9281-9290.	10.3	27
3	Influences of Nano-structured Thermal Stability on the Intergranular Corrosion of High-Carbon Austenitic Heat-Resistant Steel. Journal of Materials Engineering and Performance, 2021, 30, 783-793.	2.5	1
4	Ultrahigh Energy Storage Performance of Layered Polymer Nanocomposites over a Broad Temperature Range. Advanced Materials, 2021, 33, e2103338.	21.0	96
5	Enhancement of energy density in novel Ba0.67Sr0.33TiO3 nanorod array nanocomposites. Materials and Design, 2020, 195, 109044.	7.0	17
6	Fatigueâ€Free Aurivillius Phase Ferroelectric Thin Films with Ultrahigh Energy Storage Performance. Advanced Energy Materials, 2020, 10, 2001536.	19.5	114
7	Cobalt/titanium nitride@N-doped carbon hybrids for enhanced electrocatalytic hydrogen evolution and supercapacitance. New Journal of Chemistry, 2019, 43, 14518-14526.	2.8	17
8	Simultaneously enhanced discharge energy density and efficiency in nanocomposite film capacitors utilizing two-dimensional NaNbO₃@Al₂O₃ platelets. Nanoscale, 2019, 11, 10546-10554.	5.6	93
9	Carbonized MoS₂: Super-Active Co-Catalyst for Highly Efficient Water Splitting on CdS. ACS Sustainable Chemistry and Engineering, 2019, 7, 4220-4229.	6.7	68
10	Superior discharge energy density and efficiency in polymer nanocomposites induced by linear dielectric coreâ€“shell nanofibers. Journal of Materials Chemistry C, 2019, 7, 405-413.	5.5	92
11	High-energy-density with polymer nanocomposites containing of SrTiO3 nanofibers for capacitor application. Composites Part A: Applied Science and Manufacturing, 2018, 109, 48-54.	7.6	145
12	Aqueous rechargeable dual-ion battery based on fluoride ion and sodium ion electrochemistry. Journal of Materials Chemistry A, 2018, 6, 8244-8250.	10.3	63
13	Interfacial Coupling Effect in Organic/Inorganic Nanocomposites with High Energy Density. Advanced Materials, 2018, 30, e1705662.	21.0	245
14	Electronic, magnetic, catalytic, and electrochemical properties of two-dimensional Janus transition metal chalcogenides. Journal of Materials Chemistry A, 2018, 6, 8021-8029.	10.3	53
15	High dielectric constant and low dielectric loss poly(vinylidene fluoride) nanocomposites via a small loading of two-dimensional Bi₂Te₃@Al₂O₃ hexagonal nanoplates. Journal of Materials Chemistry C, 2018, 6, 271-279.	5.5	95
16	Mechanistic study of the ligand controlled regioselectivity in iridium catalyzed Câ€“H borylation of aromatic imines. RSC Advances, 2018, 8, 35453-35460.	3.6	9
17	Co3O4-NP embedded mesoporous carbon rod with enhanced electrocatalytic conversion in lithium-sulfur battery. Scientific Reports, 2018, 8, 16133.	3.3	20
18	High-performance capacitors based on NaNbO₃ nanowires/poly(vinylidene fluoride) nanocomposites. Journal of Materials Chemistry A, 2018, 6, 14614-14622.	10.3	94

#	Article	IF	Citations
19	Ultra Uniform Pb0.865La0.09(Zr0.65Ti0.35)O3 Thin Films with Tunable Optical Properties Fabricated via Pulsed Laser Deposition. Materials, 2018, 11, 525.	2.9	1
20	High-Energy-Density Polymer Nanocomposites Composed of Newly Structured One-Dimensional BaTiO₃@Al₂O₃ Nanofibers. ACS Applied Materials & Interfaces, 2017, 9, 4024-4033.	8.0	241
21	Novel design of highly [110]-oriented barium titanate nanorod array and its application in nanocomposite capacitors. Nanoscale, 2017, 9, 4255-4264.	5.6	53
22	Ultrafast Discharge and High-Energy-Density of Polymer Nanocomposites Achieved via Optimizing the Structure Design of Barium Titanates. ACS Sustainable Chemistry and Engineering, 2017, 5, 4707-4717.	6.7	102
23	Significantly improved dielectric properties and energy density of polymer nanocomposites via small loaded of BaTiO3 nanotubes. Composites Science and Technology, 2017, 147, 30-38.	7.8	139
24	Ultrafast Discharge and Enhanced Energy Density of Polymer Nanocomposites Loaded with 0.5(Ba_{0.7}Ca_{0.3})TiO₃â€“0.5Ba(Zr_{0.2}Ti_{0.8})O₃ One-Dimensional Nanofibers. ACS Applied Materials & Interfaces, 2017, 9, 14337-14346.	8.0	120
25	NaNbO3 two-dimensional platelets induced highly energy storage density in trilayered architecture composites. Nano Energy, 2017, 40, 587-595.	16.0	247
26	Excellent energy density of polymer nanocomposites containing BaTiO₃@Al₂O₃ nanofibers induced by moderate interfacial area. Journal of Materials Chemistry A, 2016, 4, 13259-13264.	10.3	196
27	Significantly Enhanced Energy Density in Nanocomposite Capacitors Combining the TiO₂ Nanorod Array with Poly(vinylidene fluoride). ACS Applied Materials & Interfaces, 2016, 8, 26343-26351.	8.0	100