

Lingmin Yao

List of Publications by Year in descending order

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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	NaNbO ₃ two-dimensional platelets induced highly energy storage density in trilayered architecture composites. Nano Energy, 2017, 40, 587-595.	16.0	247
2	Interfacial Coupling Effect in Organic/Inorganic Nanocomposites with High Energy Density. Advanced Materials, 2018, 30, e1705662.	21.0	245
3	High-Energy-Density Polymer Nanocomposites Composed of Newly Structured One-Dimensional BaTiO ₃ @Al ₂ O ₃ Nanofibers. ACS Applied Materials & Interfaces, 2017, 9, 4024-4033.	8.0	241
4	Excellent energy density of polymer nanocomposites containing BaTiO ₃ @Al ₂ O ₃ nanofibers induced by moderate interfacial area. Journal of Materials Chemistry A, 2016, 4, 13259-13264.	10.3	196
5	High-energy-density with polymer nanocomposites containing of SrTiO ₃ nanofibers for capacitor application. Composites Part A: Applied Science and Manufacturing, 2018, 109, 48-54.	7.6	145
6	Significantly improved dielectric properties and energy density of polymer nanocomposites via small loading of BaTiO ₃ nanotubes. Composites Science and Technology, 2017, 147, 30-38.	7.8	139
7	Ultrafast Discharge and Enhanced Energy Density of Polymer Nanocomposites Loaded with 0.5(Ba _{0.7} Ca _{0.3})TiO ₃ â€“0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ One-Dimensional Nanofibers. ACS Applied Materials & Interfaces, 2017, 9, 14337-14346.	8.0	120
8	Fatigue-Free Aurivillius Phase Ferroelectric Thin Films with Ultrahigh Energy Storage Performance. Advanced Energy Materials, 2020, 10, 2001536.	19.5	114
9	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
10	Significantly Enhanced Energy Density in Nanocomposite Capacitors Combining the TiO ₂ Nanorod Array with Poly(vinylidene fluoride). ACS Applied Materials & Interfaces, 2016, 8, 26343-26351.	8.0	100
11	Ultrahigh Energy Storage Performance of Layered Polymer Nanocomposites over a Broad Temperature Range. Advanced Materials, 2021, 33, e2103338.	21.0	96
12	High dielectric constant and low dielectric loss poly(vinylidene fluoride) nanocomposites <i>via</i> a small loading of two-dimensional Bi ₂ Te ₃ @Al ₂ O ₃ hexagonal nanoplates. Journal of Materials Chemistry C, 2018, 6, 271-279.	5.5	95
13	High-performance capacitors based on NaNbO ₃ nanowires/poly(vinylidene fluoride) nanocomposites. Journal of Materials Chemistry A, 2018, 6, 14614-14622.	10.3	94
14	Simultaneously enhanced discharge energy density and efficiency in nanocomposite film capacitors utilizing two-dimensional NaNbO ₃ @Al ₂ O ₃ platelets. Nanoscale, 2019, 11, 10546-10554.	5.6	93
15	Superior discharge energy density and efficiency in polymer nanocomposites induced by linear dielectric core-shell nanofibers. Journal of Materials Chemistry C, 2019, 7, 405-413.	5.5	92
16	Carbonized MoS ₂ : Super-Active Co-Catalyst for Highly Efficient Water Splitting on CdS. ACS Sustainable Chemistry and Engineering, 2019, 7, 4220-4229.	6.7	68
17	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
18	Novel design of highly [110]-oriented barium titanate nanorod array and its application in nanocomposite capacitors. Nanoscale, 2017, 9, 4255-4264.	5.6	53

#	ARTICLE	IF	CITATIONS
19	Electronic, magnetic, catalytic, and electrochemical properties of two-dimensional Janus transition metal chalcogenides. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8021-8029.	10.3	53
20	Two-Dimensional Fillers Induced Superior Electrostatic Energy Storage Performance in Trilayered Architecture Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8448-8457.	8.0	30
21	Substantially improved energy storage capability of ferroelectric thin films for application in high-temperature capacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9281-9290.	10.3	27
22	Co ₃ O ₄ -NP embedded mesoporous carbon rod with enhanced electrocatalytic conversion in lithium-sulfur battery. <i>Scientific Reports</i> , 2018, 8, 16133.	3.3	20
23	Cobalt/titanium nitride@N-doped carbon hybrids for enhanced electrocatalytic hydrogen evolution and supercapacitance. <i>New Journal of Chemistry</i> , 2019, 43, 14518-14526.	2.8	17
24	Enhancement of energy density in novel Ba _{0.67} Sr _{0.33} TiO ₃ nanorod array nanocomposites. <i>Materials and Design</i> , 2020, 195, 109044.	7.0	17
25	Mechanistic study of the ligand controlled regioselectivity in iridium catalyzed C-H borylation of aromatic imines. <i>RSC Advances</i> , 2018, 8, 35453-35460.	3.6	9
26	Ultra Uniform Pb _{0.865} La _{0.09} (Zr _{0.65} Ti _{0.35})O ₃ Thin Films with Tunable Optical Properties Fabricated via Pulsed Laser Deposition. <i>Materials</i> , 2018, 11, 525.	2.9	1
27	Influences of Nano-structured Thermal Stability on the Intergranular Corrosion of High-Carbon Austenitic Heat-Resistant Steel. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 783-793.	2.5	1