

Jingjing Liu

List of Publications by Year in descending order

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44
papers

1,998
citations

257450

24
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

2787
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetic nanocoatings with exceptional mechanical, barrier, and flame-retardant properties from large-scale one-step coassembly. <i>Science Advances</i> , 2017, 3, e1701212.	10.3	195
2	Synthesis and properties of polystyrene/graphite nanocomposites. <i>Polymer</i> , 2002, 43, 2245-2248.	3.8	193
3	Electrically Conductive Polypropylene Nanocomposites with Negative Permittivity at Low Carbon Nanotube Loading Levels. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6125-6138.	8.0	153
4	Facile hydroxylation of halloysite nanotubes for epoxy nanocomposite applications. <i>Polymer</i> , 2014, 55, 6519-6528.	3.8	115
5	Hexagon Wreaths: Self-Assembly of Discrete Supramolecular Fractal Architectures Using Multitopic Terpyridine Ligands. <i>Journal of the American Chemical Society</i> , 2014, 136, 6664-6671.	13.7	111
6	Sulfonic Acid-Functionalized H^{\pm} -Zirconium Phosphate Single-Layer Nanosheets as a Strong Solid Acid for Heterogeneous Catalysis Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7417-7425.	8.0	107
7	High-Performance Electrospun Poly(vinylidene fluoride)/Poly(propylene carbonate) Gel Polymer Electrolyte for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27882-27891.	3.1	88
8	Synthesis of Layered Double Hydroxide Single-Layer Nanosheets in Formamide. <i>Inorganic Chemistry</i> , 2016, 55, 12036-12041.	4.0	87
9	One-Pot Facile Synthesis of Graphene Quantum Dots from Rice Husks for Fe^{3+} Sensing. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9144-9150.	3.7	73
10	Photoluminescent carbon quantum dot grafted silica nanoparticles directly synthesized from rice husk biomass. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4679-4689.	5.8	71
11	Designing Supported Ionic Liquids (ILs) within Inorganic Nanosheets for CO_2 Capture Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5547-5555.	8.0	63
12	Reinforced magnetic epoxy nanocomposites with conductive polypyrrole nanocoating on nanomagnetite as a coupling agent. <i>RSC Advances</i> , 2014, 4, 36560.	3.6	57
13	Reviving the "Schottky" Barrier for Flexible Polymer Dielectrics with a Superior 2D Nanoassembly Coating. <i>Advanced Materials</i> , 2021, 33, e2101374.	21.0	53
14	Synthesis of Gold Nanoparticles on Rice Husk Silica for Catalysis Applications. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5656-5663.	3.7	47
15	Solid Acid Catalyst Based on Single-Layer H^{\pm} -Zirconium Phosphate Nanosheets for Biodiesel Production via Esterification. <i>Catalysts</i> , 2018, 8, 17.	3.5	47
16	Nanofluidic energy conversion and molecular separation through highly stable clay-based membranes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14089-14096.	10.3	45
17	Aqueous phase preparation of graphene with low defect density and adjustable layers. <i>Chemical Communications</i> , 2013, 49, 10835.	4.1	41
18	Sulfonated poly(flourenyl ether ketone)/Sulfonated H^{\pm} -zirconium phosphate Nanocomposite membranes for proton exchange membrane fuel cells. <i>Advanced Composites and Hybrid Materials</i> , 2020, 3, 498-507.	21.1	37

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19	Single-step One-pot Synthesis of TiO ₂ Nanosheets Doped with Sulfur on Reduced Graphene Oxide with Enhanced Photocatalytic Activity. <i>Scientific Reports</i> , 2017, 7, 46610.	3.3	36
20	Single-step One-pot Synthesis of Graphene Foam/TiO ₂ Nanosheet Hybrids for Effective Water Treatment. <i>Scientific Reports</i> , 2017, 7, 43755.	3.3	30
21	Photoluminescent mesoporous carbon-doped silica from rice husks. <i>Materials Letters</i> , 2015, 142, 280-282.	2.6	28
22	Bi-axially oriented polystyrene/montmorillonite nanocomposite films. <i>RSC Advances</i> , 2015, 5, 58191-58198.	3.6	26
23	Sulfonated poly(fluorene ether ketone) (SPFEK)/ γ -zirconium phosphate (ZrP) nanocomposite membranes for fuel cell applications. <i>Advanced Composites and Hybrid Materials</i> , 2020, 3, 546-550.	21.1	26
24	Na ⁺ and K ⁺ -Exchanged Zirconium Phosphate (ZrP) as High-Temperature CO ₂ Adsorbents. <i>Science of Advanced Materials</i> , 2013, 5, 469-474.	0.7	26
25	Covalently immobilized ionic liquids on single layer nanosheets for heterogeneous catalysis applications. <i>Dalton Transactions</i> , 2017, 46, 13126-13134.	3.3	25
26	Synthesis of green phosphors from highly active amorphous silica derived from rice husks. <i>Journal of Materials Science</i> , 2018, 53, 1824-1832.	3.7	23
27	Transparency Change Mechanochromism Based on a Robust PDMS α -Hydrogel Bilayer Structure. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000446.	3.9	21
28	Synthesis of Polylactide Nanocomposites Using an γ -Zirconium Phosphate Nanosheet-Supported Zinc Catalyst via in Situ Polymerization. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1382-1389.	4.4	20
29	A study of the polymerization of styrene initiated by K ⁺ THF ⁺ GIC system. <i>European Polymer Journal</i> , 2006, 42, 259-264.	5.4	17
30	Intercalated polyfluorinated Pd complexes in γ -zirconium phosphate for Sonogashira and Heck reactions. <i>RSC Advances</i> , 2014, 4, 27329-27336.	3.6	17
31	Gold nanoparticles immobilized on single-layer γ -zirconium phosphate nanosheets as a highly effective heterogeneous catalyst. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 520-529.	21.1	17
32	Heavy duty piezoresistivity induced strain sensing natural rubber/carbon black nanocomposites reinforced with different carbon nanofillers. <i>Materials Research Express</i> , 2014, 1, 035029.	1.6	16
33	Synthesis and colour prediction of stable pigments from rice husk biomass. <i>Green Materials</i> , 2015, 3, 10-14.	2.1	16
34	Coassembled ionic liquid/laponite hybrids as effective CO ₂ adsorbents. <i>Journal of Energy Chemistry</i> , 2017, 26, 1026-1029.	12.9	15
35	An environmentally-friendly sandwich-like structured nanocoating system for wash durable, flame retardant, and hydrophobic cotton fabrics. <i>Cellulose</i> , 2021, 28, 10277-10289.	4.9	15
36	Ultra-transparent nanostructured coatings via flow-induced one-step coassembly. <i>Nano Materials Science</i> , 2022, 4, 97-103.	8.8	12

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37	An efficient method to prepare aluminosilicate nanoscrolls under mild conditions. <i>Chemical Communications</i> , 2021, 57, 789-792.	4.1	9
38	Gelation Based on Host-Guest Interactions Induced by Multi-Functionalized Nanosheets. <i>Gels</i> , 2021, 7, 106.	4.5	8
39	Lignocellulose aerogel and amorphous silica nanoparticles from rice husks. <i>Journal of Leather Science and Engineering</i> , 2021, 3, .	6.0	6
40	Manipulating the dimensional assembly pattern and crystalline structures of iron oxide nanostructures with a functional polyolefin. <i>Nanoscale</i> , 2016, 8, 1915-1920.	5.6	4
41	A superior nanolaminate dielectric barrier coating for high breakdown strength. , 2017, , .		1
42	Reviving the Schottky Barrier for Flexible Polymer Dielectrics with a Superior 2D Nanoassembly Coating (<i>Adv. Mater.</i> 34/2021). <i>Advanced Materials</i> , 2021, 33, 2170264.	21.0	1
43	Enhancing dielectric property of polymer films with nanoclay coatings. , 2016, , .		0
44	Sulfonic Acid-Functionalized β -Zirconium Phosphate Single-Layer Nanosheets for Catalysis and Fuel-Cell Applications. , 0, , 61-71.		0