Jingjing Liu

List of Publications by Year in descending order

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	Ultra-transparent nanostructured coatings via flow-induced one-step coassembly. Nano Materials Science, 2022, 4, 97-103.	8.8	12
2	An efficient method to prepare aluminosilicate nanoscrolls under mild conditions. Chemical Communications, 2021, 57, 789-792.	4.1	9
3	Transparency Change Mechanochromism Based on a Robust PDMSâ€Hydrogel Bilayer Structure. Macromolecular Rapid Communications, 2021, 42, e2000446.	3.9	21
4	Lignocellulose aerogel and amorphous silica nanoparticles from rice husks. Journal of Leather Science and Engineering, 2021, 3, .	6.0	6
5	Reviving the â€œSchottkyâ€•Barrier for Flexible Polymer Dielectrics with a Superior 2D Nanoassembly Coating. Advanced Materials, 2021, 33, e2101374.	21.0	53
6	Reviving the â€œSchottkyâ€•Barrier for Flexible Polymer Dielectrics with a Superior 2D Nanoassembly Coating (Adv. Mater. 34/2021). Advanced Materials, 2021, 33, 2170264.	21.0	1
7	Gelation Based on Hostâ€“Guest Interactions Induced by Multi-Functionalized Nanosheets. Gels, 2021, 7, 106.	4.5	8
8	An environmentally-friendly sandwich-like structured nanocoating system for wash durable, flame retardant, and hydrophobic cotton fabrics. Cellulose, 2021, 28, 10277-10289.	4.9	15
9	Sulfonated poly(fluorenyl ether ketone)/Sulfonated Î±-zirconium phosphate Nanocomposite membranes for proton exchange membrane fuel cells. Advanced Composites and Hybrid Materials, 2020, 3, 498-507.	21.1	37
10	Sulfonated poly(fluorene ether ketone) (SPFEK)/Î±-zirconium phosphate (ZrP) nanocomposite membranes for fuel cell applications. Advanced Composites and Hybrid Materials, 2020, 3, 546-550.	21.1	26
11	Gold nanoparticles immobilized on single-layer Î±-zirconium phosphate nanosheets as a highly effective heterogeneous catalyst. Advanced Composites and Hybrid Materials, 2019, 2, 520-529.	21.1	17
12	Nanofluidic energy conversion and molecular separation through highly stable clay-based membranes. Journal of Materials Chemistry A, 2019, 7, 14089-14096.	10.3	45
13	Synthesis of Polylactide Nanocomposites Using an Î±-Zirconium Phosphate Nanosheet-Supported Zinc Catalyst via in Situ Polymerization. ACS Applied Polymer Materials, 2019, 1, 1382-1389.	4.4	20
14	Synthesis of green phosphors from highly active amorphous silica derived from rice husks. Journal of Materials Science, 2018, 53, 1824-1832.	3.7	23
15	Solid Acid Catalyst Based on Single-Layer Î±-Zirconium Phosphate Nanosheets for Biodiesel Production via Esterification. Catalysts, 2018, 8, 17.	3.5	47
16	One-Pot Facile Synthesis of Graphene Quantum Dots from Rice Husks for Fe³⁺ Sensing. Industrial & Engineering Chemistry Research, 2018, 57, 9144-9150.	3.7	73
17	Single-step One-pot Synthesis of Graphene Foam/TiO2 Nanosheet Hybrids for Effective Water Treatment. Scientific Reports, 2017, 7, 43755.	3.3	30
18	Photoluminescent carbon quantum dot grafted silica nanoparticles directly synthesized from rice husk biomass. Journal of Materials Chemistry B, 2017, 5, 4679-4689.	5.8	71

#	Article	IF	Citations
19	Single-step One-pot Synthesis of TiO2 Nanosheets Doped with Sulfur on Reduced Graphene Oxide with Enhanced Photocatalytic Activity. Scientific Reports, 2017, 7, 46610.	3.3	36
20	Coassembled ionic liquid/laponite hybrids as effective CO2 adsorbents. Journal of Energy Chemistry, 2017, 26, 1026-1029.	12.9	15
21	Covalently immobilized ionic liquids on single layer nanosheets for heterogeneous catalysis applications. Dalton Transactions, 2017, 46, 13126-13134.	3.3	25
22	Biomimetic nanocoatings with exceptional mechanical, barrier, and flame-retardant properties from large-scale one-step coassembly. Science Advances, 2017, 3, e1701212.	10.3	195
23	A superior nanolaminate dielectric barrier coating for high breakdown strength. , 2017, , .		1
24	Enhancing dielectric property of polymer films with nanoclay coatings. , 2016, , .		0
25	Synthesis of Layered Double Hydroxide Single-Layer Nanosheets in Formamide. Inorganic Chemistry, 2016, 55, 12036-12041.	4.0	87
26	Designing Supported Ionic Liquids (ILs) within Inorganic Nanosheets for CO₂ Capture Applications. ACS Applied Materials & Interfaces, 2016, 8, 5547-5555.	8.0	63
27	Manipulating the dimensional assembly pattern and crystalline structures of iron oxide nanostructures with a functional polyolefin. Nanoscale, 2016, 8, 1915-1920.	5.6	4
28	Bi-axially oriented polystyrene/montmorillonite nanocomposite films. RSC Advances, 2015, 5, 58191-58198.	3.6	26
29	High-Performance Electrospun Poly(vinylidene fluoride)/Poly(propylene carbonate) Gel Polymer Electrolyte for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2015, 119, 27882-27891.	3.1	88
30	Photoluminescent mesoporous carbon-doped silica from rice husks. Materials Letters, 2015, 142, 280-282.	2.6	28
31	Synthesis of Gold Nanoparticles on Rice Husk Silica for Catalysis Applications. Industrial & Engineering Chemistry Research, 2015, 54, 5656-5663.	3.7	47
32	Electrically Conductive Polypropylene Nanocomposites with Negative Permittivity at Low Carbon Nanotube Loading Levels. ACS Applied Materials & Interfaces, 2015, 7, 6125-6138.	8.0	153
33	Synthesis and colour prediction of stable pigments from rice husk biomass. Green Materials, 2015, 3, 10-14.	2.1	16
34	Heavy duty piezoresistivity induced strain sensing natural rubber/carbon black nanocomposites reinforced with different carbon nanofillers. Materials Research Express, 2014, 1, 035029.	1.6	16
35	Facile hydroxylation of halloysite nanotubes for epoxy nanocomposite applications. Polymer, 2014, 55, 6519-6528.	3.8	115
36	Intercalated polyfluorinated Pd complexes in Î±-zirconium phosphate for Sonogashira and Heck reactions. RSC Advances, 2014, 4, 27329-27336.	3.6	17

#	Article	IF	Citations
37	Hexagon Wreaths: Self-Assembly of Discrete Supramolecular Fractal Architectures Using Multitopic Terpyridine Ligands. Journal of the American Chemical Society, 2014, 136, 6664-6671.	13.7	111
38	Reinforced magnetic epoxy nanocomposites with conductive polypyrrole nanocoating on nanomagnetite as a coupling agent. RSC Advances, 2014, 4, 36560.	3.6	57
39	Sulfonic Acid-Functionalized Î±-Zirconium Phosphate Single-Layer Nanosheets as a Strong Solid Acid for Heterogeneous Catalysis Applications. ACS Applied Materials & Interfaces, 2014, 6, 7417-7425.	8.0	107
40	Aqueous phase preparation of graphene with low defect density and adjustable layers. Chemical Communications, 2013, 49, 10835.	4.1	41
41	Na⁺ and K⁺-Exchanged Zirconium Phosphate (ZrP) as High-Temperature CO₂ Adsorbents. Science of Advanced Materials, 2013, 5, 469-474.	0.7	26
42	A study of the polymerization of styrene initiated by Kâ€“THFâ€“GIC system. European Polymer Journal, 2006, 42, 259-264.	5.4	17
43	Synthesis and properties of polystyrene/graphite nanocomposites. Polymer, 2002, 43, 2245-2248.	3.8	193
44	Sulfonic Acid-Functionalized Î±-Zirconium Phosphate Single-Layer Nanosheets for Catalysis and Fuel-Cell Applications. , 0, , 61-71.		0