Junhao Jiang

List of Publications by Year
in descending order

47 papers	2,876 citations	136885 32 h-index	214721 47 g-index
47 all docs	47 docs citations	47 times ranked	2970 citing authors

#	Article	IF	Citations
1	Carbon composite lignin-based adsorbents for the adsorption of dyes. Chemosphere, 2018, 206, 587-596.	4.2	269
2	Construction of magnetic lignin-based adsorbent and its adsorption properties for dyes. Journal of Hazardous Materials, 2019, 369, 50-61.	6.5	174
3	An urchin-like MgCo₂O₄@PPy coreâ€“shell composite grown on Ni foam for a high-performance all-solid-state asymmetric supercapacitor. Nanoscale, 2018, 10, 10190-10202.	2.8	142
4	Adsorption performance of a polysaccharide composite hydrogel based on crosslinked glucan/chitosan for heavy metal ions. Composites Part B: Engineering, 2019, 169, 45-54.	5.9	138
5	PVP-assisted growth of Ni-Co oxide on N-doped reduced graphene oxide with enhanced pseudocapacitive behavior. Chemical Engineering Journal, 2019, 378, 122202.	6.6	118
6	Designed formation of Co₃O₄/ZnCo₂O₄/CuO hollow polyhedral nanocages derived from zeolitic imidazolate framework-67 for high-performance supercapacitors. Nanoscale, 2018, 10, 15771-15781.	2.8	111
7	Metal-organic framework templated synthesis of porous NiCo2O4/ZnCo2O4/Co3O4 hollow polyhedral nanocages and their enhanced pseudocapacitive properties. Chemical Engineering Journal, 2018, 351, 74-84.	6.6	104
8	Functionalized cotton charcoal/chitosan biomass-based hydrogel for capturing Pb2+, Cu2+ and MB. Journal of Hazardous Materials, 2022, 423, 127191.	6.5	96
9	Preparation of NiMoO4-PANI core-shell nanocomposite for the high-performance all-solid-state asymmetric supercapacitor. International Journal of Hydrogen Energy, 2018, 43, 18349-18362.	3.8	88
10	Preparation of Hierarchical Spinel NiCo₂O₄ Nanowires for High-Performance Supercapacitors. Industrial & Engineering Chemistry Research, 2018, 57, 2517-2525.	1.8	87
11	Solid-state preparation of CuO/ZnO nanocomposites for functional supercapacitor electrodes and photocatalysts with enhanced photocatalytic properties. International Journal of Hydrogen Energy, 2017, 42, 30098-30108.	3.8	79
12	In situ growth of ZIF-8-derived ternary ZnO/ZnCo₂O₄/NiO for high performance asymmetric supercapacitors. Nanoscale, 2019, 11, 10114-10128.	2.8	76
13	Construction of a Lignosulfonateâ€“Lysine Hydrogel for the Adsorption of Heavy Metal Ions. Journal of Agricultural and Food Chemistry, 2020, 68, 3050-3060.	2.4	73
14	Synthesis and characterization of hierarchical Bi2MoO6/Polyaniline nanocomposite for all-solid-state asymmetric supercapacitor. Electrochimica Acta, 2017, 245, 685-695.	2.6	72
15	Fluffy Cotton-Like GO/Znâ€“Coâ€“Ni Layered Double Hydroxides Form from a Sacrificed Template GO/ZIF-8 for High Performance Asymmetric Supercapacitors. ACS Sustainable Chemistry and Engineering, 2020, 8, 11618-11629.	3.2	71
16	Solid-Phase Synthesis of Mesoporous ZnO Using Lignin-Amine Template and Its Photocatalytic Properties. Industrial & Engineering Chemistry Research, 2014, 53, 6585-6592.	1.8	68
17	Ultrasonic-assisted synthesis of aminated lignin by a Mannich reaction and its decolorizing properties for anionic azo-dyes. RSC Advances, 2014, 4, 28156.	1.7	67
18	Ultrasonic-assisted synthesis of superabsorbent hydrogels based on sodium lignosulfonate and their adsorption properties for Ni2+. Ultrasonics Sonochemistry, 2018, 40, 221-229.	3.8	66

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19	Preparation and Characterization of Fe₂O₃Nanoparticles by Solid-Phase Method and Its Hydrogen Peroxide Sensing Properties. ACS Sustainable Chemistry and Engineering, 2016, 4, 1069-1077.	3.2	64
20	Synthesis of polyaniline/nickel oxide/sulfonated graphene ternary composite for all-solid-state asymmetric supercapacitor. Applied Surface Science, 2020, 505, 144589.	3.1	61
21	Ultrasonic-assisted synthesis of sodium lignosulfonate-grafted poly(acrylic acid-co-poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.7	59
22	Synthesis of aminated calcium lignosulfonate and its adsorption properties for azo dyes. Journal of Industrial and Engineering Chemistry, 2018, 61, 321-330.	2.9	58
23	Effective removal of heavy metals from water using porous lignin-based adsorbents. Chemosphere, 2021, 279, 130504.	4.2	54
24	Composite material CCO/Co-Ni-Mn LDH made from sacrifice template CCO/ ZIF-67 for high-performance supercapacitor. Applied Surface Science, 2022, 572, 151373.	3.1	53
25	Ultrasonic Method to Synthesize Glucan-g-poly(acrylic acid)/Sodium Lignosulfonate Hydrogels and Studies of Their Adsorption of Cu²⁺ from Aqueous Solution. ACS Sustainable Chemistry and Engineering, 2017, 5, 6438-6446.	3.2	52
26	Synthesis of sodium lignosulfonate-guar gum composite hydrogel for the removal of Cu2+ and Co2+. International Journal of Biological Macromolecules, 2021, 175, 459-472.	3.6	51
27	Facile construction of a MgCo₂O₄@NiMoO₄/NF coreâ€“shell nanocomposite for high-performance asymmetric supercapacitors. Journal of Materials Chemistry C, 2019, 7, 13267-13278.	2.7	49
28	Fabrication of NiCoAl-layered double hydroxide/N-GO for high energy all-solid-state asymmetric supercapacitors. Applied Surface Science, 2020, 527, 146891.	3.1	41
29	A glassy carbon electrode modified with bismuth oxide nanoparticles and chitosan as a sensor for Pb(II) and Cd(II). Mikrochimica Acta, 2016, 183, 1823-1830.	2.5	40
30	Efficient capture of lead ion and methylene blue by functionalized biomass carbon-based adsorbent for wastewater treatment. Industrial Crops and Products, 2022, 183, 114966.	2.5	40
31	Ultrasonic synthesis and properties of a sodium lignosulfonateâ€“grafted poly(acrylic acid-co-acryl) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	35
32	Polyacrylic acid/carboxymethyl cellulose/activated carbon composite hydrogel for removal of heavy metal ion and cationic dye. Cellulose, 2022, 29, 483-501.	2.4	35
33	Novel sodium lignosulphonate assisted synthesis of well dispersed Fe3O4 microspheres for efficient adsorption of copper (II). Powder Technology, 2018, 325, 597-605.	2.1	34
34	Fabrication of flower-shaped CuCo2O4@MgMoO4 nanocomposite for high-performance supercapacitors. Journal of Energy Storage, 2021, 41, 102972.	3.9	32
35	The preparation of Fe₂O₃nanoparticles by liquid phase-based ultrasonic-assisted method and its application as enzyme-free sensor for the detection of H₂O₂. RSC Advances, 2015, 5, 21161-21169.	1.7	27
36	Facile fabrication of CoNi-Layered Double Hydroxide /NiCo2S4/Reduced Graphene Oxide composites by in situ hydrothermal growth strategy for supercapacitor performance. Ceramics International, 2022, 48, 17644-17653.	2.3	27

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37	Liquid phase-based ultrasonic-assisted synthesis of Gâ€“ZnO nanocomposites and its sunlight photocatalytic activity. Materials and Design, 2016, 89, 864-871.	3.3	25
38	High-performance supercapacitor based on graphene oxide through in-situ polymerization and co-precipitation method. Journal of Alloys and Compounds, 2020, 829, 154536.	2.8	24
39	Anionic surfactants-assisted solution-phase synthesis of ZnO with improved photocatalytic performance. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 384-390.	2.0	23
40	Ternary ZnO/Co3O4/NiO inherited layered core-shell structure from a double template for high performanced supercapacitor. Journal of Materiomics, 2021, 7, 708-720.	2.8	20
41	Ternary Ni(OH)2/Co(OH)2/Mg(OH)2 derived from MOF-74 as a positive material for the determination of high performance supercapacitor. Electrochimica Acta, 2022, 412, 140135.	2.6	20
42	Lignin-assisted solid-phase synthesis of nano-CuO for a photocatalyst with excellent catalytic activity and high performance supercapacitor electrodes. RSC Advances, 2016, 6, 65644-65653.	1.7	15
43	Structural characterization and photocatalytic properties of ZnO by solid-state synthesis using aminated lignin template. Journal of Materials Science: Materials in Electronics, 2015, 26, 6704-6711.	1.1	10
44	Hydrothermal synthesis of sphere-like BiOCl using sodium lignosulphonate as surfactant and its application in visible light photocatalytic degradation of rodamine B. Journal of Materials Science: Materials in Electronics, 2017, 28, 3119-3127.	1.1	10
45	Ultrasonic Synthesis and Properties of Sodium Lignosulfonate-grafted Poly(Acrylic Acid-co-Vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	8
46	Convenient synthesis of Ni-Mn-S@rGO composite with enhanced performance for advanced energy storage applications. Ceramics International, 2022, 48, 9558-9568.	2.3	6
47	Hydrothermal synthesis of flower cluster-shaped ZnO microstructures with sodium lignosulfonate as structure-directing agent. Journal of Materials Science: Materials in Electronics, 2015, 26, 9171-9177.	1.1	4