Weigang Zhao

List of Publications by Year
in descending order

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17	505	623734 14	888059 17
papers	citations	h-index	g-index

17	17	17	358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemically modified self-doped biocarbon via novel sulfonation assisted sacrificial template method for high performance flexible all solid-state supercapacitor. Journal of Colloid and Interface Science, 2020, 574, 33-42.	9.4	63
2	High energy density supercapacitors with hierarchical nitrogen-doped porous carbon as active material obtained from bio-waste. Renewable Energy, 2021, 175, 760-769.	8.9	59
3	Two-step synthesis of B and N co-doped porous carbon composites by microwave-assisted hydrothermal and pyrolysis process for supercapacitor application. Electrochimica Acta, 2020, 360, 137010.	5.2	50
4	High performance supercapacitor electrodes based on B/N Co-doped biomass porous carbon materials by KOH activation and hydrothermal treatment. International Journal of Hydrogen Energy, 2021, 46, 31927-31937.	7.1	44
5	Synthesis of Bamboo-Based Activated Carbons with Super-High Specific Surface Area for Hydrogen Storage. BioResources, 2016, 12, .	1.0	37
6	Three dimensional hierarchical porous nickel cobalt layered double hydroxides (LDHs) and nitrogen doped activated biocarbon composites for high-performance asymmetric supercapacitor. Journal of Alloys and Compounds, 2021, 859, 158318.	5.5	37
7	Cost-Effective Monolithic Hierarchical Carbon Cryogels with Nitrogen Doping and High-Performance Mechanical Properties for CO₂ Capture. ACS Applied Materials & Interfaces, 2020, 12, 21748-21760.	8.0	31
8	Construction of advanced zeolitic imidazolate framework derived cobalt sulfide/MXene composites as high-performance electrodes for supercapacitors. Journal of Colloid and Interface Science, 2022, 615, 282-292.	9.4	29
9	Boron and nitrogen co-doped porous carbon for supercapacitors: A comparison between a microwave-assisted and a conventional hydrothermal process. Journal of Energy Storage, 2020, 32, 101706.	8.1	24
10	Synthesis of activated carbon from biowaste of fir bark for methylene blue removal. Royal Society Open Science, 2019, 6, 190523.	2.4	22
11	Design and construction of hierarchical sea urchin-like NiCo-LDH@ACF composites for high-performance supercapacitors. Industrial Crops and Products, 2021, 171, 113900.	5.2	21
12	Thermal, morphological, and mechanical characteristics of sustainable tannin bio-based foams reinforced with wood cellulosic fibers. Industrial Crops and Products, 2020, 158, 113029.	5.2	20
13	Microwave-assisted synthesis of hybrid supercapacitors consisting of Ni, Co-layered double hydroxide shell assembled around wood-derived activated carbon fiber core. Electrochimica Acta, 2022, 412, 140148.	5.2	16
14	Controlled preparation of nitrogen-doped hierarchical carbon cryogels derived from Phenolic-Based resin and their CO2 adsorption properties. Energy, 2022, 246, 123367.	8.8	15
15	Development and performance evaluation of wood-pulp/glass fibre hybrid composites as core materials for vacuum insulation panels. Journal of Cleaner Production, 2022, 357, 131957.	9.3	15
16	Nitrogen-containing high surface area carbon cryogel from co-condensed phenolâ€“ureaâ€“formaldehyde resin for CO2 capture. Journal of Porous Materials, 2019, 26, 847-854.	2.6	12
17	Hydrothermal Doping of Nitrogen in Bamboo-Based Super Activated Carbon for Hydrogen Storage. BioResources, 2017, 12, .	1.0	10