Lang Huang

List of Publications by Year
in descending order

25	709	471061 17	580395 25
papers	citations	h-index	g-index

25	25	25	921
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Temperatureâ€Responsive Electrolyte Endowing Superior Safety Characteristic of Lithium Metal Batteries. Advanced Energy Materials, 2020, 10, 1903441.	10.2	95
2	N-doped porous carbon from different nitrogen sources for high-performance supercapacitors and CO2 adsorption. Journal of Alloys and Compounds, 2019, 786, 826-838.	2.8	81
3	Clean production of 5-hydroxymethylfurfural from cellulose using a hydrothermal/biomass-based carbon catalyst. Journal of Cleaner Production, 2019, 213, 1096-1102.	4.6	51
4	Sustainable Use of Coffee Husks For Reinforcing Polyethylene Composites. Journal of Polymers and the Environment, 2018, 26, 48-58.	2.4	49
5	Heteroatom-doped hierarchical porous carbon aerogels from chitosan for high performance supercapacitors. International Journal of Biological Macromolecules, 2020, 155, 131-141.	3.6	49
6	Sandwich construction of chitosan/reduced graphene oxide composite as additive-free electrode material for high-performance supercapacitors. Carbohydrate Polymers, 2021, 255, 117397.	5.1	44
7	Highly selective hydrogenation of phenol to cyclohexanone over a Pd-loaded N-doped carbon catalyst derived from chitosan. Journal of Colloid and Interface Science, 2022, 605, 82-90.	5.0	39
8	Deciphering the Interface of a Highâ€Voltage (5 Vâ€Class) Liâ€Ion Battery Containing Additiveâ€Assisted Sulfolaneâ€Based Electrolyte. Small Methods, 2019, 3, 1900546.	4.6	33
9	Carbon-carbon dense network composite with hierarchical structure for additive-free and high volumetric performance supercapacitor. Journal of Power Sources, 2021, 497, 229878.	4.0	27
10	Toughness and crystallization enhancement in wood fiber-reinforced polypropylene composite through controlling matrix nucleation. Journal of Materials Science, 2018, 53, 6542-6551.	1.7	26
11	Chitosan-based layered carbon materials prepared via ionic-liquid-assisted hydrothermal carbonization and their performance study. Journal of the Taiwan Institute of Chemical Engineers, 2019, 101, 231-243.	2.7	25
12	One-Step Activation and Surface Fatty Acylation of Cellulose Fibers in a Solvent-Free Condition. ACS Sustainable Chemistry and Engineering, 2019, 7, 15920-15927.	3.2	24
13	Interfacial crystals morphology modification in cellulose fiber/polypropylene composite by mechanochemical method. Composites Part A: Applied Science and Manufacturing, 2020, 130, 105765.	3.8	23
14	Preparation and application performance study of biomass-based carbon materials with various morphologies by a hydrothermal/soft template method. Nanotechnology, 2019, 30, 185702.	1.3	22
15	Multi-functionalized carbon aerogels derived from chitosan. Journal of Colloid and Interface Science, 2022, 605, 790-802.	5.0	22
16	Mechanical activation and characterization of micronized cellulose particles from pulp fiber. Industrial Crops and Products, 2019, 141, 111750.	2.5	20
17	Ni-doped mesoporous carbon obtained from hydrothermal carbonization of cellulose and their catalytic hydrogenation activity study. Journal of Materials Science, 2018, 53, 7900-7910.	1.7	19
18	Solvent-free production of carbon materials with developed pore structure from biomass for high-performance supercapacitors. Industrial Crops and Products, 2020, 150, 112384.	2.5	18

#	Article	IF	Citations
19	Solvent-free pulverization and surface fatty acylation of pulp fiber for property-enhanced cellulose/polypropylene composites. Journal of Cleaner Production, 2020, 244, 118811.	4.6	10
20	From cellulose to 1,2,4-benzenetriol via catalytic degradation over a wood-based activated carbon catalyst. Catalysis Science and Technology, 2020, 10, 3423-3432.	2.1	10
21	Structural elucidation of hydro-products from hydrothermal carbonization of loblolly pine at different temperatures using NMR techniques. Energy, 2017, 133, 171-178.	4.5	9
22	Non-isothermal crystallization kinetics of wood-flour/polypropylene composites in the presence of Î²-nucleating agent. Journal of Forestry Research, 2016, 27, 949-958.	1.7	6
23	Carbon composite materials with ordered mesoporous structures from straw: hydrothermal preparation and application as catalysts. Nanotechnology, 2018, 29, 385604.	1.3	4
24	Comparative Study of the Structure of Hydroproducts Derived from Loblolly Pine and Straw Grass. ACS Sustainable Chemistry and Engineering, 2017, 5, 6131-6138.	3.2	2
25	Chemical preconversion of softwood with alkaline hydrogen peroxide: Creating a denser carbohydrate feedstock supply for biorefinery systems. Journal of the Energy Institute, 2019, 92, 665-672.	2.7	1