Songlin Zuo

List of Publications by Citations

25 papers	818 citations	13 h-index	26 g-index
26 ext. papers	985 ext. citations	6.3 avg, IF	4.23 L-index

#	Paper	IF	Citations
25	Preparation, characterization, and antibacterial activity of silver nanoparticle-decorated graphene oxide nanocomposite. *ACS Applied Materials & Interfaces*, **2015**, 7, 6966-73	9.5	364
24	Significance of the carbonization of volatile pyrolytic products on the properties of activated carbons from phosphoric acid activation of lignocellulosic material. *Fuel Processing Technology*, **2009**, 90, 994-1001	7.2	71
23	One-pot synthesis of 5-hydroxymethylfurfural from carbohydrates using an inexpensive FePO4 catalyst. *RSC Advances*, **2015**, 5, 19900-19906	3.7	52
22	Effects of the heating history of impregnated lignocellulosic material on pore development during phosphoric acid activation. *Carbon*, **2010**, 48, 3293-3295	10.4	47
21	Mesoporous carbon materials prepared from carbohydrates with a metal chloride template. *Journal of Materials Chemistry*, **2009**, 19, 7759		44
20	Evolution of Phosphorus-Containing Groups on Activated Carbons during Heat Treatment. *Langmuir*, **2017**, 33, 3112-3122	4	40
19	Green catalytic synthesis of 5-methylfurfural by selective hydrogenolysis of 5-hydroxymethylfurfural over size-controlled Pd nanoparticle catalysts. *Catalysis Science and Technology*, **2019**, 9, 1238-1244	5.5	36
18	Effects of the crystallinity of lignocellulosic material on the porosity of phosphoric acid-activated carbon. *Carbon*, **2009**, 47, 3578-3580	10.4	27
17	Ammonia modification of high-surface-area activated carbons as metal-free electrocatalysts for oxygen reduction reaction. *Electrochimica Acta*, **2018**, 263, 465-473	6.7	22
16	The effect of oxygen on the microwave-assisted synthesis of carbon quantum dots from polyethylene glycol. *RSC Advances*, **2017**, 7, 16637-16643	3.7	18
15	Efficient Hydrogenation of Xylose and Hemicellulosic Hydrolysate to Xylitol over Ni-Re Bimetallic Nanoparticle Catalyst. *Nanomaterials*, **2019**, 10,	5.4	16
14	Selective oxidation rapidly decomposes biomass-based activated carbons into graphite-like crystallites. *Carbon*, **2018**, 140, 504-507	10.4	16
13	Evolution of gaseous products from biomass pyrolysis in the presence of phosphoric acid. *Journal of Analytical and Applied Pyrolysis*, **2012**, 95, 236-240	6	15
12	Preparation of multicolored carbon quantum dots using HNO3/HClO4 oxidation of graphitized carbon. *Journal of Materials Research*, **2019**, 34, 3428-3438	2.5	10
11	Low-Cost Preparation of High-Surface-Area Nitrogen-Containing Activated Carbons from Biomass-Based Chars by Ammonia Activation. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7527-7537	3.9	10
10	Cost-effective preparation of metal-free electrocatalysts by phosphoric acid activation of lignocellulosic materials for oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2019**, 44, 2811-2822	6.7	9
9	Role of oxidant during phosphoric acid activation of lignocellulosic material. *Carbon*, **2014**, 66, 734-737	10.4	8

List of Publications

8	Interconnected Hollow Si/C Hybrids Engineered by the Carbon Dioxide-Introduced Magnesiothermic Reduction of Biosilica from Reed Plants for Lithium Storage. *Energy & Fuels*, **2021**, 35, 10241-10249	4.1	4
7	Effect of Zn/ZSM-5 and FePO4Catalysts on Cellulose Pyrolysis. *Journal of Chemistry*, **2015**, 2015, 1-11	2.3	3
6	Photo-catalytic oxidation of 5-hydroxymethylfurfural over interfacial-enhanced Ag/TiO2 under visible light irradiation.. *ChemSusChem*, **2021**, e202102158	8.3	2
5	Investigation of ammonia/steam activation for the scalable production of high-surface area nitrogen-containing activated carbons. *Carbon*, **2022**, 191, 581-581	10.4	1
4	Mass transfer behavior of methane in porous carbon materials. *AICHE Journal*,e17521	3.6	1
3	Silicon-Based Nanorod Anodes by Employing Bacterial Cellulose Derived Carbon Skeleton Towards Lithium-Ion Batteries. *Batteries and Supercaps*,	5.6	1
2	Graphitic crystallite nanomaterials enable the simple and ultrafast synthesis of resorcinol-formaldehyde carbon aerogel monoliths. *Carbon*, **2022**, 194, 220-229	10.4	1
1	Catalytic performance improved by catalyst-integration technology and boosting H2S catalytic adsorption. *Environmental Progress and Sustainable Energy*,e13781	2.5	0