

Wei Mu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,108
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

2066
citing authors

#	ARTICLE	IF	CITATIONS
1	Lignin Pyrolysis Components and Upgrading Technology Review. <i>Bioenergy Research</i> , 2013, 6, 1183-1204.	3.9	280
2	Aerogel Microspheres from Natural Cellulose Nanofibrils and Their Application as Cell Culture Scaffold. <i>Biomacromolecules</i> , 2014, 15, 2540-2547.	5.4	186
3	Solar-induced direct biomass-to-electricity hybrid fuel cell using polyoxometalates as photocatalyst and charge carrier. <i>Nature Communications</i> , 2014, 5, 3208.	12.8	125
4	Thermo-responsive and fluorescent cellulose nanocrystals grafted with polymer brushes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1995-2005.	10.3	76
5	Noble metal catalyzed aqueous phase hydrogenation and hydrodeoxygenation of lignin-derived pyrolysis oil and related model compounds. <i>Bioresource Technology</i> , 2014, 173, 6-10.	9.6	68
6	Production of renewable gasoline from aqueous phase hydrogenation of lignin pyrolysis oil. <i>Fuel</i> , 2013, 103, 1148-1153.	6.4	65
7	High Performance All-solid Supercapacitors Based on the Network of Ultralong Manganese dioxide/Polyaniline Coaxial Nanowires. <i>Scientific Reports</i> , 2015, 5, 17858.	3.3	42
8	Sol-gel synthesis highly porous titanium dioxide microspheres with cellulose nanofibrils-based aerogel templates. <i>Inorganic Chemistry Communication</i> , 2015, 51, 71-74.	3.9	38
9	Polyoxometalate liquid-catalyzed polyol fuel cell and the related photoelectrochemical reaction mechanism study. <i>Journal of Power Sources</i> , 2016, 318, 86-92.	7.8	34
10	Superhydrophobic film fabricated by controlled microphase separation of PEO-PLA mixture and its transperance property. <i>Applied Surface Science</i> , 2013, 273, 184-191.	6.1	33
11	Janus particles with tunable coverage of zinc oxide nanowires. <i>Journal of Materials Chemistry</i> , 2011, 21, 2067.	6.7	28
12	Butyric anhydride modified lignin and its oil-water interfacial properties. <i>Chemical Engineering Science</i> , 2017, 165, 55-64.	3.8	22
13	Rational design of hybrid dye-sensitized solar cells composed of double-layered photoanodes with enhanced power conversion efficiency. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11035-11039.	10.3	17
14	In situ self-assembly synthesis of gold nanoparticle arrays on polystyrene microspheres and their surface plasmon resonance. <i>Colloid and Polymer Science</i> , 2013, 291, 239-244.	2.1	14
15	Hydrodeoxygenation by deuterium gas a powerful way to provide insight into the reaction mechanisms. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19138.	2.8	13
16	Glucose-based carbon coated MnO hierarchical architectures with enhanced photostability and photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2015, 204, 115-122.	4.4	12
17	Extended X-ray absorption fine structure study of p-type nitrogen doped ZnO. <i>Chemical Physics Letters</i> , 2009, 469, 318-320.	2.6	9
18	Structure Analysis of Pine Bark-, Residue-, and Stem-Derived Light Oil and Its Hydrodeoxygenation Products. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 11269-11275.	3.7	6

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19	Enhanced p-type conductivity of nitrogen doped ZnO by nano/micro structured rods and Zn-rich Co-doping process. <i>Electronic Materials Letters</i> , 2011, 7, 115-119.	2.2	3
20	P-type Nitrogen Doped ZnO Films Grown By Thermal Evaporation. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1201, 65.	0.1	1