Hongqiang Hu

List of Publications by Year
in descending order

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18	1,993	686830 13	887659 17
papers	citations	h-index	g-index

22	22	22	2061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-temperature ethylene production for indirect electrification in chemical production. Cell Reports Physical Science, 2021, 2, 100405.	2.8	14
2	Electrochemically Engineered, Highly Energy-Efficient Conversion of Ethane to Ethylene and Hydrogen below 550 Â°C in a Protonic Ceramic Electrochemical Cell. ACS Catalysis, 2021, 11, 12194-12202.	5.5	17
3	Comparative Evaluation of Industrial Hemp Cultivars: Agronomical Practices, Feedstock Characterization, and Potential for Biofuels and Bioproducts. ACS Sustainable Chemistry and Engineering, 2020, 8, 6200-6210.	3.2	22
4	Characterization of zirconium oxides part II: New insights on the growth of zirconia revealed through complementary high-resolution mapping techniques. Corrosion Science, 2020, 167, 108491.	3.0	12
5	Characterization of zirconium oxides part I: Raman mapping and spectral feature analysis. Nuclear Materials and Energy, 2019, 21, 100707.	0.6	8
6	Techno-economic analysis of ash removal in biomass harvested from algal turf scrubbers. Biomass and Bioenergy, 2019, 123, 149-158.	2.9	20
7	Understanding the Impacts of Biomass Blending on the Uncertainty of Hydrolyzed Sugar Yield from a Stochastic Perspective. ACS Sustainable Chemistry and Engineering, 2018, 6, 10851-10860.	3.2	18
8	Industrial hemp as a potential bioenergy crop in comparison with kenaf, switchgrass and biomass sorghum. Bioresource Technology, 2017, 244, 641-649.	4.8	83
9	Process Simulation and Cost Analysis for Removing Inorganics from Wood Chips Using Combined Mechanical and Chemical Preprocessing. Bioenergy Research, 2017, 10, 237-247.	2.2	17
10	Microbial Electrolysis: Novel Biotechnology for Hydrogen Production from Biomass. , 2012, , 93-105.		8
11	Optimization of NiMo catalyst for hydrogen production in microbial electrolysis cells. International Journal of Hydrogen Energy, 2010, 35, 3227-3233.	3.8	49
12	Microbial electrolysis: novel technology for hydrogen production from biomass. Biofuels, 2010, 1, 129-142.	1.4	138
13	Hydrogen production in single-chamber tubular microbial electrolysis cells using non-precious-metal catalysts. International Journal of Hydrogen Energy, 2009, 34, 8535-8542.	3.8	178
14	Response to Comment on â€œSustainable Power Generation in Microbial Fuel Cells Using Bicarbonate Buffer and Proton Transfer Mechanismsâ€• Environmental Science & Technology, 2008, 42, 6306-6306.	4.6	5
15	Hydrogen production using single-chamber membrane-free microbial electrolysis cells. Water Research, 2008, 42, 4172-4178.	5.3	336
16	Sustainable Power Generation in Microbial Fuel Cells Using Bicarbonate Buffer and Proton Transfer Mechanisms. Environmental Science & Technology, 2007, 41, 8154-8158.	4.6	322
17	Enhanced Coulombic efficiency and power density of air-cathode microbial fuel cells with an improved cell configuration. Journal of Power Sources, 2007, 171, 348-354.	4.0	521
18	Sonochemical decomposition of volatile and non-volatile organic compoundsâ€”a comparative study. Water Research, 2004, 38, 4247-4261.	5.3	200