

# Hongqiang Hu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9222512/publications.pdf>

Version: 2024-02-01

18  
papers

1,993  
citations

686830

13  
h-index

887659

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2061  
citing authors

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