Jianbing Huang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6450135/publications.pdf

Version: 2024-02-01

30 papers	1,553 citations	394390 19 h-index	454934 30 g-index
30 all docs	30 docs citations	30 times ranked	1818 citing authors

#	Article	IF	Citations
1	Gasification of biomass model compounds in supercritical water: Detailed reaction pathways and mechanisms. International Journal of Hydrogen Energy, 2022, 47, 31843-31851.	7.1	4
2	Enhanced charge separation in La₂NiO₄ nanoplates by coupled piezocatalysis and photocatalysis for efficient H₂ evolution. Nanoscale, 2022, 14, 7083-7095.	5.6	16
3	Porous/dense bilayer BaZr0.8Y0.2O3-Î´ electrolyte matrix fabricated by tape casting combined with solid-state reactive sintering for protonic ceramic fuel cells. International Journal of Hydrogen Energy, 2021, 46, 9918-9926.	7.1	14
4	Compositing protonic conductor BaZr0.5Y0.5O3 (BZY) with triple conductor BaCo0.4Fe0.4Zr0.1Y0.1O3-Î´ (BCFZY) as electrolyte for advanced solid oxide fuel cell. International Journal of Hydrogen Energy, 2021, 46, 9799-9808.	7.1	16
5	Flexible A-site doping La0.6-xMxSr0.4Co0.2Fe0.8O3 (M=Ca, Ba, Bi; x=0, 0.1, 0.2) as novel cathode material for intermediate-temperature solid oxide fuel cells: A first-principles study and experimental exploration. Journal of Power Sources, 2021, 490, 229564.	7.8	24
6	Enhancement of depolymerization slag gasification in supercritical water and its gasification performance in fluidized bed reactor. Renewable Energy, 2021, 168, 829-837.	8.9	53
7	Scalable fabrication process for new structure BaZr0.8Y0.2O3-Î´-based protonic ceramic fuel cells. Ceramics International, 2021, 47, 14680-14688.	4.8	9
8	Catalytic supercritical water gasification of glucose with in-situ generated nickel nanoparticles for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 21020-21029.	7.1	31
9	Modeling and optimizing of anode-supported solid oxide fuel cells with gradient anode: Part I. Model description and validation by experiments. Numerical Heat Transfer; Part A: Applications, 2019, 76, 925-948.	2.1	1
10	Gasification of guaiacol in supercritical water: Detailed reaction pathway and mechanisms. International Journal of Hydrogen Energy, 2018, 43, 14078-14086.	7.1	42
11	Fabrication of integrated BZY electrolyte matrices for protonic ceramic membrane fuel cells by tape-casting and solid-state reactive sintering. International Journal of Hydrogen Energy, 2018, 43, 12835-12846.	7.1	16
12	Hydrogen production from glucose by supercritical water gasification with Ni/Zr(Ce,Y)O2-Î´ catalysts. International Journal of Hydrogen Energy, 2017, 42, 4613-4625.	7.1	14
13	Impact of H₂O on organicâ€“inorganic hybrid perovskite solar cells. Energy and Environmental Science, 2017, 10, 2284-2311.	30.8	345
14	Molecular dynamic investigation on hydrogen production by furfural gasification in supercritical water. International Journal of Hydrogen Energy, 2016, 41, 16064-16069.	7.1	30
15	Effects of reaction time and catalyst on gasification of glucose in supercritical water: Detailed reaction pathway and mechanisms. International Journal of Hydrogen Energy, 2016, 41, 6630-6639.	7.1	55
16	Supercritical water gasification of glycerol and glucose in different reactors: The effect of metal wall. International Journal of Hydrogen Energy, 2016, 41, 16002-16008.	7.1	34
17	Novel doped barium cerateâ€“carbonate composite electrolyte material for low temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2014, 39, 14328-14333.	7.1	38
18	CYOâ€“BZCYO composites with enhanced proton conductivity: Candidate electrolytes for low-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2012, 37, 13044-13052.	7.1	19

#	Article	IF	Citations
19	Development of solid oxide fuel cell materials for intermediate-to-low temperature operation. International Journal of Hydrogen Energy, 2012, 37, 877-883.	7.1	105
20	Analysis and Modeling of Novel Low-Temperature SOFC With a Co-Ionic Conducting Ceria-Based Composite Electrolyte. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	14
21	Investigation of La2NiO4+Î´-based cathodes for SDCâ€“carbonate composite electrolyte intermediate temperature fuel cells. International Journal of Hydrogen Energy, 2010, 35, 2657-2662.	7.1	48
22	Preparation and characterization of nanocrystalline Ce0.8Sm0.2O1.9 for low temperature solid oxide fuel cells based on composite electrolyte. International Journal of Hydrogen Energy, 2010, 35, 731-737.	7.1	62
23	Effects of salt composition on the electrical properties of samaria-doped ceria/carbonate composite electrolytes for low-temperature SOFCs. International Journal of Hydrogen Energy, 2010, 35, 4270-4275.	7.1	102
24	Composite electrolyte based on nanostructured Ce_{0.8}Sm_{0.2}O_{1.9} (SDC) for low-temperature solid oxide fuel cells. International Journal of Energy Research, 2009, 33, 1138-1144.	4.5	25
25	Composite cathode Bi1.14Sr0.43O2.14-Ag for intermediate-temperature solid oxide fuel cells. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 350-353.	1.0	6
26	Performance of fuel cells with proton-conducting ceria-based composite electrolyte and nickel-based electrodes. Journal of Power Sources, 2008, 175, 238-243.	7.8	79
27	Composite cathode La0.15Bi0.85O1.5-Ag for intermediate-temperature solid oxide fuel cells. Materials Chemistry and Physics, 2008, 108, 290-295.	4.0	16
28	Development of novel low-temperature SOFCs with co-ionic conducting SDC-carbonate composite electrolytes. Electrochemistry Communications, 2007, 9, 2601-2605.	4.7	152
29	A high-performance ceramic fuel cell with samarium doped ceriaâ€“carbonate composite electrolyte at low temperatures. Electrochemistry Communications, 2006, 8, 785-789.	4.7	105
30	SDC-Carbonate Composite Electrolytes for Low-Temperature SOFCs. Electrochemical and Solid-State Letters, 2005, 8, A437.	2.2	78