Yan Huang

List of Publications by Year
in descending order

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Version: 2024-02-01

38	841	394421	477307
papers	citations	19	29
		h-index	g-index

39	39	39	899
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A modification of the bubble-point method to determine the pore-mouth size distribution of porous materials. Separation and Purification Technology, 2010, 70, 314-319.	7.9	82
2	From bioethanol exploitation to high grade hydrogen generation: Steam reforming promoted by a Co-Pt catalyst in a Pd-based membrane reactor. Renewable Energy, 2018, 119, 834-843.	8.9	55
3	Performance and Long-Term Stability of Pd/PSS and Pd/Al2O3 Membranes for Hydrogen Separation. Membranes, 2014, 4, 143-162.	3.0	52
4	Methanol steam reforming in an Al 2 O 3 supported thin Pd-layer membrane reactor over Cu/ZnO/Al 2 O 3 catalyst. International Journal of Hydrogen Energy, 2014, 39, 18702-18710.	7.1	51
5	Fabrication of Pd/ceramic membranes for hydrogen separation based on low-cost macroporous ceramics with pencil coating. International Journal of Hydrogen Energy, 2010, 35, 7803-7808.	7.1	49
6	On the assembling of Pd/ceramic composite membranes for hydrogen separation. Separation and Purification Technology, 2010, 72, 92-97.	7.9	44
7	Intermediate gel coating on macroporous Al2O3 substrate for fabrication of thin carbon membranes. Ceramics International, 2014, 40, 10367-10373.	4.8	40
8	Fabrication of H2-permeable palladium membranes based on pencil-coated porous stainless steel substrate. International Journal of Hydrogen Energy, 2012, 37, 13007-13012.	7.1	30
9	Characterization of the adhesion of thin palladium membranes supported on tubular porous ceramics. Thin Solid Films, 2007, 515, 5233-5240.	1.8	28
10	The surface evolution of a catalyst jointly influenced by thermal spreading and solid-state reaction: A case study with an Fe2O3â€“MoO3 system. Journal of Molecular Catalysis A, 2009, 302, 48-53.	4.8	28
11	Decoration of porous ceramic substrate with pencil for enhanced gas separation performance of carbon membrane. Carbon, 2015, 84, 151-159.	10.3	28
12	Antimony Dispersion and Phase Evolution in the Sb2O3â˜Fe2O3System. Journal of Physical Chemistry B, 2005, 109, 22420-22425.	2.6	26
13	Improved photocatalytic deposition of palladium membranes. Journal of Membrane Science, 2006, 282, 1-6.	8.2	26
14	Toward low-cost Pd/ceramic composite membranes for hydrogen separation: A case study on reuse of the recycled porous Al2O3 substrates in membrane fabrication. International Journal of Hydrogen Energy, 2011, 36, 15794-15802.	7.1	26
15	Accelerating Pd Electrocatalysis for CO₂-to-Formate Conversion across a Wide Potential Window by Optimized Incorporation of Cu. ACS Applied Materials & Interfaces, 2022, 14, 8896-8905.	8.0	26
16	Toward effective membranes for hydrogen separation: Multichannel composite palladium membranes. Journal of Power Sources, 2008, 181, 135-139.	7.8	25
17	GREEN ROUTE TO PREPARE BIOCOMPATIBLE AND NEAR INFRARED THIOLATE-PROTECTED COPPER NANOCLUSTERS FOR CELLULAR IMAGING. Nano, 2013, 08, 1350054.	1.0	22
18	The nature of antimony-enriched surface layer of Feâ€“Sb mixed oxides. Applied Surface Science, 2006, 252, 7849-7855.	6.1	21

#	Article	IF	Citations
19	On the Membrane Reactor Concept for One-Step Hydroxylation of Benzene to Phenol with Oxygen and Hydrogen. Journal of Physical Chemistry C, 2009, 113, 19618-19622.	3.1	21
20	Silver coating on porous stainless steel substrate and preparation of H2-permeable palladium membranes. International Journal of Hydrogen Energy, 2013, 38, 10833-10838.	7.1	21
21	Toward extensive application of Pd/ceramic membranes for hydrogen separation: A case study on membrane recycling and reuse in the fabrication of new membranes. International Journal of Hydrogen Energy, 2015, 40, 3528-3537.	7.1	21
22	Facile preparation of fluorescent Ag-clustersâ€“chitosan-hybrid nanocomposites for bio-applications. New Journal of Chemistry, 2014, 38, 657-662.	2.8	19
23	Coating the porous Al2O3 substrate with a natural mineral of Nontronite-15A for fabrication of hydrogen-permeable palladium membranes. International Journal of Hydrogen Energy, 2020, 45, 7412-7422.	7.1	13
24	Effects of Sn residue on the high temperature stability of the H2-permeable palladium membranes prepared by electroless plating on Al2O3 substrate after SnCl2â€“PdCl2 process: A case study. Chinese Journal of Chemical Engineering, 2016, 24, 1154-1160.	3.5	11
25	The thermal spreading of antimony oxides onto Fe2O3. Applied Surface Science, 2003, 210, 346-352.	6.1	10
26	An improvement of the hydrogen permeability of C/Al2O3 membranes by palladium deposition into the pores. International Journal of Hydrogen Energy, 2013, 38, 10819-10825.	7.1	8
27	Bifunctional palladium composite membrane for hydrogen separation and catalytic CO methanation. Chinese Journal of Catalysis, 2013, 34, 1720-1729.	14.0	8
28	Aluminizing and oxidation treatments on the porous stainless steel substrate for preparation of H 2 -permeable composite palladium membranes. International Journal of Hydrogen Energy, 2014, 39, 18618-18624.	7.1	8
29	Facile surface modification of porous stainless steel substrate with TiO₂intermediate layer for fabrication of H₂-permeable composite palladium membranes. Separation Science and Technology, 2016, 51, 998-1006.	2.5	8
30	Effect of EDTA on preparation of Pd membranes by photocatalytic deposition. Desalination, 2006, 192, 117-124.	8.2	7
31	Methane catalytic decomposition integrated with on-line Pd membrane hydrogen separation for fuel cell application. International Journal of Hydrogen Energy, 2010, 35, 2958-2963.	7.1	7
32	The antimony-rich layer created by thermal-spreading of Sb2O3 on Fe2O3 surface. Surface Science, 2003, 547, 55-62.	1.9	4
33	Pure Ni and Pd-Ni Alloy Membranes Prepared by Electroless Plating for Hydrogen Separation. Advanced Materials Research, 0, 179-180, 1309-1313.	0.3	4
34	Controllable Hierarchical Selfâ€Assembly and Disassembly of Stable Zinc Phthalocyanineâ€Peptide Nucleic Acidâ€Perylene Diimide Nanoheterojunctions. Asian Journal of Organic Chemistry, 2013, 2, 54-59.	2.7	4
35	Chromism based on supramolecular H-bonds. Physical Chemistry Chemical Physics, 2013, 15, 11960.	2.8	4
36	Towards Fabrication of Low-Cost Carbon/Ceramics Membranes: Substrate Modification. Advanced Materials Research, 2012, 457-458, 372-376.	0.3	2

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37	Synthesis and Photovoltaic Performances of a Novel Phthalocyanine- perylene Molecular Heterojunction. Chinese Journal of Organic Chemistry, 2012, 32, 1981.	1.3	2
38	In-situ repair of composite palladium membranes with macro defects: A case study. International Journal of Hydrogen Energy, 2021, 46, 32577-32582.	7.1	0