

Wei Han

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,488
citations

331670

21
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

1951
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the electron shuttling characteristics of resazurin in enhancing bio-electricity generation in microbial fuel cell. <i>Chemical Engineering Journal</i> , 2022, 428, 130924.	12.7	6
2	Exploration of perfluorooctane sulfonate degradation properties and mechanism via electron-transfer dominated radical process. <i>Water Research</i> , 2022, 215, 118259.	11.3	26
3	<i>Operando</i> Investigation of Toluene Oxidation over 1D Pt@CeO ₂ Derived from Pt Cluster-Containing MOF. <i>Journal of the American Chemical Society</i> , 2021, 143, 196-205.	13.7	128
4	Performance of an aliovalent-substituted CoCeO _x catalyst from bimetallic MOF for VOC oxidation in air. <i>Applied Catalysis B: Environmental</i> , 2020, 275, 119121.	20.2	101
5	Confined PFSA/MOF composite membranes in fuel cells for promoted water management and performance. <i>Catalysis Today</i> , 2019, 331, 12-17.	4.4	27
6	Bimetallic Catalysts: A Novel Approach to High-Performance Aliovalent-Substituted Catalysts—2D Bimetallic MOF-Derived CeCuO _x Microsheets (Small 42/2019). <i>Small</i> , 2019, 15, 1970225.	10.0	10
7	A Novel Approach to High-Performance Aliovalent-Substituted Catalysts—2D Bimetallic MOF-Derived CeCuO _x Microsheets. <i>Small</i> , 2019, 15, e1903525.	10.0	46
8	Preparation and performance of catalytic MOFs in microreactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 98, 85-93.	5.3	16
9	Gas phase dehydration of glycerol to acrolein on an amino siloxane-functionalized MCM-41 supported Wells-Dawson type H ₆ P ₂ W ₁₈ O ₆₂ catalyst. <i>New Journal of Chemistry</i> , 2018, 42, 14271-14280.	2.8	19
10	Zeolites and mesoporous materials in fuel cell applications. <i>Catalysis Today</i> , 2014, 236, 182-205.	4.4	65
11	Pd nanoparticles immobilized in a microporous/mesoporous composite ZIF-8/MSS: A multifunctional catalyst for the hydrogenation of alkenes. <i>Microporous and Mesoporous Materials</i> , 2014, 197, 324-330.	4.4	36
12	New Membrane Architecture with High Performance: ZIF-8 Membrane Supported on Vertically Aligned ZnO Nanorods for Gas Permeation and Separation. <i>Chemistry of Materials</i> , 2014, 26, 1975-1981.	6.7	199
13	A simple and scalable method for preparing low-defect ZIF-8 tubular membranes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10635.	10.3	139
14	Factors affecting the formation of Sn-Beta zeolites by steam-assisted conversion method. <i>Materials Chemistry and Physics</i> , 2013, 141, 519-529.	4.0	37
15	One-pot Synthesis of Mesoporous TiO ₂ from Self-Assembled Sol Particles and Its Application as Mesoscopic Photoanodes of Dye-Sensitized Solar Cells. <i>ChemPlusChem</i> , 2013, 78, 647-655.	2.8	2
16	A new structured composite membrane for fuel cell applications. <i>Catalysis Today</i> , 2012, 193, 194-199.	4.4	11
17	Investigation of Pd membrane reactors for one-step hydroxylation of benzene to phenol. <i>Catalysis Today</i> , 2012, 193, 151-157.	4.4	24
18	Zeolite applications in fuel cells: Water management and proton conductivity. <i>Chemical Engineering Journal</i> , 2012, 187, 367-371.	12.7	41

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19	Performance of TS-1-Coated Structured Packing Materials for Styrene Oxidation Reaction. ACS Catalysis, 2011, 1, 437-445.	11.2	55
20	Investigating the Role of Zeolite Nanocrystal Seeds in the Synthesis of Mesoporous Catalysts with Zeolite Wall Structure. Chemistry of Materials, 2011, 23, 4469-4479.	6.7	66
21	Confined PFSA-zeolite composite membrane for self-humidifying fuel cell. Chemical Communications, 2011, 47, 8085.	4.1	24
22	Preparation and performance of TS-1/SiO ₂ egg-shell catalysts. Chemical Engineering Journal, 2011, 175, 408-416.	12.7	45
23	Hydrothermal Stability of Meso-microporous Composites and Their Catalytic Cracking Performance. Chinese Journal of Catalysis, 2011, 32, 418-427.	14.0	4
24	Zeolite Proton Conducting Membrane for Micro Fuel Cell Applications. Topics in Catalysis, 2010, 53, 1394-1400.	2.8	19
25	Performance study of heptane reforming in the dense ceramic membrane reactors. AIChE Journal, 2008, 54, 242-248.	3.6	5
26	Layer-by-layer assembly of TiO ₂ colloids onto diatomite to build hierarchical porous materials. Journal of Colloid and Interface Science, 2008, 323, 326-331.	9.4	83
27	A method for diatomite zeolitization through steam-assisted crystallization with in-situ seeding. Materials Letters, 2008, 62, 2400-2403.	2.6	8
28	Effect of the morphology on thermal stability of the Ba-Ce-Mn-Al-O oxides synthesized in a reverse microemulsion. Journal of Alloys and Compounds, 2008, 461, 516-520.	5.5	3
29	Assembly of mesocellular silica foams from colloidal zeolite nanocrystals through template free process. Studies in Surface Science and Catalysis, 2007, 165, 507-510.	1.5	0
30	Template-free sol-gel synthesis of mesoporous materials with ZSM-5 structure walls. Studies in Surface Science and Catalysis, 2007, 165, 515-518.	1.5	1
31	Crystal structure stability and catalytic activity of magnetoplumbite (MP) catalyst doped with Mn and Mg. Journal of Non-Crystalline Solids, 2007, 353, 4806-4812.	3.1	9
32	Synthesis of hierarchical porous materials with ZSM-5 structures via template-free sol-gel method. Science and Technology of Advanced Materials, 2007, 8, 101-105.	6.1	26
33	Catalytic behavior of hydrothermally synthesized La _{0.5} Sr _{0.5} MnO ₃ single-crystal cubes in the oxidation of CO and CH ₄ . Journal of Catalysis, 2007, 250, 1-11.	6.2	93
34	A novel template-free sol-gel synthesis of silica materials with mesoporous structures and zeolitic walls. Journal of Sol-Gel Science and Technology, 2007, 43, 205-211.	2.4	5
35	Diatomite as high performance and environmental friendly catalysts for phenol hydroxylation with H ₂ O ₂ . Science and Technology of Advanced Materials, 2007, 8, 106-109.	6.1	48
36	Mixed reforming of simulated gasoline to hydrogen in a BSCFO membrane reactor. Catalysis Today, 2006, 118, 39-43.	4.4	16

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37	Mixed reforming of heptane to syngas in the Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ membrane reactor. Catalysis Today, 2005, 104, 149-153.	4.4	33
38	Catalytic partial oxidation of gasoline to syngas in a dense membrane reactor. Catalysis Today, 2004, 93-95, 257-261.	4.4	12