

Yi Jiao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

619
citations

623734

14
h-index

677142

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all docs

22
docs citations

22
times ranked

645
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropy-stabilized single-atom Pd catalysts via high-entropy fluorite oxide supports. <i>Nature Communications</i> , 2020, 11, 3908.	12.8	172
2	Particle Size Effects in Stoichiometric Methane Combustion: Structure–Activity Relationship of Pd Catalyst Supported on Gamma-Alumina. <i>ACS Catalysis</i> , 2020, 10, 10339-10349.	11.2	84
3	Steam reforming of hydrocarbon fuels over M (Fe, Co, Ni, Cu, Zn)–Ce bimetal catalysts supported on Al ₂ O ₃ . <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10473-10482.	7.1	41
4	Catalytic cracking of RP-3 jet fuel over wall-coated Pt/ZrO ₂ –TiO ₂ –Al ₂ O ₃ catalysts with different Al ₂ O ₃ ratios. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 111, 100-107.	5.5	37
5	Hydrogen production by catalytic steam reforming of hydrocarbon fuels over Ni/Ce–Al ₂ O ₃ bifunctional catalysts: Effects of SrO addition. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 13436-13447.	7.1	35
6	Kerosene cracking over supported monolithic Pt catalysts: Effects of SrO and BaO promoters. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1139-1147.	14.0	27
7	Bi-functional composite oxides M(Na, K)-Ni/La-Al ₂ O ₃ catalysts for steam reforming of n-decane. <i>Fuel</i> , 2018, 212, 193-201.	6.4	25
8	Catalytic Cracking of RP-3 Jet Fuel over Pt/CeO ₂ –Al ₂ O ₃ by Adding Cu/ZSM-5. <i>Energy & Fuels</i> , 2014, 28, 5382-5388.	5.1	23
9	Defect Engineering and Synergistic Effect in Co ₃ O ₄ Catalysts for Efficient Removal of Formaldehyde at Room Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18781-18789.	3.7	20
10	The activation of inert NiFe Prussian Blue analogues to boost oxygen evolution reaction activity. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 967-977.	9.4	20
11	Steam reforming of n-decane toward H ₂ production over Ni/Ce-Al ₂ O ₃ composite catalysts: Effects of M (M = Fe, Co, Cu, Zn) promoters. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 238-246.	5.5	19
12	Catalytic Cracking of n-Decane over Monometallic and Bimetallic Pt–Ni/MoO ₃ /La–Al ₂ O ₃ Catalysts: Correlations of Surface Properties and Catalytic Behaviors. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 1823-1833.	3.7	18
13	Synthesis of a High-Stability Nanosized Pt-Loaded MgAl ₂ O ₄ Catalyst for n-Decane Cracking with Enhanced Activity and Durability. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4338-4347.	3.7	15
14	Evolution of Pd Species for the Conversion of Methane under Operation Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6255-6265.	3.7	14
15	Hydrogen-Rich Syngas Production by Toluene Reforming in a Microchannel Reactor Coated with Ni/MgO–Al ₂ O ₃ Multifunctional Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 19794-19802.	3.7	12
16	Effects of M (Zr, Nb, Y) modifiers on the catalytic performance of Ni/Ce-Al ₂ O ₃ bimetallic catalyst in steam reforming of n-decane. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 122, 142-150.	5.5	11
17	Improved oxygen activation over metal–organic-frameworks derived and zinc-modulated Co@NC catalyst for boosting indoor gaseous formaldehyde oxidation at room temperature. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 833-842.	9.4	11
18	Soot combustion over CeO ₂ catalyst: the influence of biodiesel impurities (Na, K, Ca, P) on surface chemical properties. <i>Environmental Science and Pollution Research</i> , 2021, 28, 26018-26029.	5.3	11

#	ARTICLE	IF	CITATIONS
19	The performance of Pt/ZrxTixAl1-xO2 as Kerosene cracking catalysts. Chinese Journal of Catalysis, 2014, 35, 175-184.	14.0	10
20	Preparation of Ce0.5Zr0.5O2-Al2O3 with high-temperature sintering resistance and its supported Pd-only three-way catalyst. Journal of Materials Science, 2019, 54, 2796-2813.	3.7	7
21	Key role of NO + C3H8 reaction for the elimination of NO in automobile exhaust by three-way catalyst. Environmental Science and Pollution Research, 2019, 26, 26071-26081.	5.3	4
22	The preparation of Pd/CeO2-ZrO2-Al2O3 catalyst with superior structural stability: effect of zirconia incorporation method. Journal of Materials Science, 2020, 55, 9993-10008.	3.7	3