Jieun Kim

List of Publications by Year
in descending order

23 papers	362 citations	759233 12 h-index	794594 19 g-index
24 all docs	24 docs citations	24 times ranked	567 citing authors

#	Article	IF	Citations
1	CO and CO2 methanation over M (M Mn, Ce, Zr, Mg, K, Zn, or V)-promoted Ni/Al@Al2O3 catalysts. Catalysis Today, 2020, 348, 80-88.	4.4	39
2	Nucleic Acid Engineering: RNA Following the Trail of DNA. ACS Combinatorial Science, 2016, 18, 87-99.	3.8	30
3	Technological development of structural DNA/RNA-based RNAi systems and their applications. Advanced Drug Delivery Reviews, 2016, 104, 29-43.	13.7	30
4	Properties of a manganese oxide octahedral molecular sieve (OMS-2) for adsorptive desulfurization of fuel gas for fuel cell applications. Fuel Processing Technology, 2015, 131, 238-246.	7.2	29
5	Glycerol steam reforming on supported Ru-based catalysts for hydrogen production for fuel cells. International Journal of Hydrogen Energy, 2013, 38, 11853-11862.	7.1	27
6	CO and CO methanation over Ni/Al@Al O3 coreâ€“shell catalyst. Catalysis Today, 2020, 356, 622-630.	4.4	23
7	Glycerol steam reforming on Ru catalysts supported on core-shell metalâ€“ceramic microcomposites developed by a microwave-induced hydrothermal method. Applied Catalysis A: General, 2015, 499, 197-204.	4.3	20
8	Coreâ€“Shell Metalâ€“Ceramic Microstructures: Mechanism of Hydrothermal Formation and Properties as Catalyst Materials. Chemistry of Materials, 2016, 28, 2786-2794.	6.7	20
9	CO2 Methanation over Ni/Al@MAl2O4 (M = Zn, Mg, or Mn) Catalysts. Catalysts, 2019, 9, 599.	3.5	20
10	Metalâ€“Organic Frameworks Derived from Zeroâ€Valent Metal Substrates: Mechanisms of Formation and Modulation of Properties. Advanced Functional Materials, 2019, 29, 1808466.	14.9	18
11	Oxidative Coupling of Methane over Mn2O3-Na2WO4/SiC Catalysts. Catalysts, 2019, 9, 363.	3.5	17
12	Synthesis and Properties of Coreâ€“Shell Metalâ€“Ceramic Microstructures and their Application as Heterogeneous Catalysts. ChemCatChem, 2014, 6, 2642-2647.	3.7	15
13	Selective CO oxidation in the hydrogen stream over Ru/Al@Al2O3 catalysts. Catalysis Today, 2020, 352, 148-156.	4.4	13
14	Synthesis and Properties of Al2O3@Al Metalâ€“Ceramic Coreâ€“Shell Microstructures for Catalyst Applications. Topics in Catalysis, 2015, 58, 375-385.	2.8	11
15	DNA aptamer-based carrier for loading proteins and enhancing the enzymatic activity. RSC Advances, 2017, 7, 1643-1645.	3.6	10
16	Markedly High Catalytic Activity of Supported Ptâ€“MoO_{<i>x</i>} Nanoclusters for Methanol Reforming to Hydrogen at Low Temperatures. ChemCatChem, 2013, 5, 806-814.	3.7	9
17	A new design and synthesis approach of supported metal catalysts via interfacial hydrothermal-oxidation/reductive- exolution chemistry of Al metal substrate. Applied Catalysis A: General, 2020, 594, 117461.	4.3	9
18	Effects of hydrothermal oxidation time of Al on the catalytic performance of Ru/Al@Al2O3 for selective oxidation of CO in H2. Fuel, 2021, 301, 121040.	6.4	9

#	Article	IF	Citations
19	Giant Catalytic DNA Particles for Simple and Intuitive Detection of Pb2+. Nanoscale Research Letters, 2016, 11, 244.	5.7	6
20	High performance of manganese oxide octahedral molecular sieve adsorbents for removing sulfur compounds from fuel gas. Korean Journal of Chemical Engineering, 2015, 32, 1766-1773.	2.7	3
21	Investigation of FÃ¶rster Resonance Energy Transfer (FRET) and Competition of Fluorescent Dyes on DNA Microparticles. International Journal of Molecular Sciences, 2015, 16, 7738-7747.	4.1	2
22	An enzymatically self-assembled DNA patch for enhanced blood coagulation. Chemical Communications, 2020, 56, 5917-5920.	4.1	2
23	Glycerol Steam Reforming for Hydrogen Production on Metal-ceramic Core-shell CoAl2O4@Al Composite Structures. Clean Technology, 2015, 21, 68-75.	0.1	0