

Hugo Silva

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

1,056
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

1510
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalysts for methanol steam reforming—A review. <i>Applied Catalysis B: Environmental</i> , 2010, 99, 43-57.	20.2	696
2	CuO/ZnO catalysts for methanol steam reforming: The role of the support polarity ratio and surface area. <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 67-76.	20.2	107
3	Hydrogen production by methanol steam reforming in a membrane reactor: Palladium vs carbon molecular sieve membranes. <i>Journal of Membrane Science</i> , 2009, 339, 160-170.	8.2	71
4	Ultrasensitive low temperature steam reforming of methanol over PdZn/ZnO catalysts—Influence of induced support defects on catalytic performance. <i>Applied Catalysis B: Environmental</i> , 2014, 154-155, 316-328.	20.2	54
5	Overcoming Stability Problems in Microwave-Assisted Heterogeneous Catalytic Processes Affected by Catalyst Coking. <i>Catalysts</i> , 2019, 9, 867.	3.5	31
6	Low-temperature methanol steam reforming kinetics over a novel CuZrDyAl catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 115, 321-339.	1.7	27
7	Synthesis and characterization of Fe—Ni—Al ₂ O ₃ egg-shell catalyst for H ₂ generation by ammonia decomposition. <i>Applied Catalysis A: General</i> , 2015, 505, 548-556.	4.3	24
8	Bottom-Up Design of a Copper—Ruthenium Nanoparticulate Catalyst for Low-Temperature Ammonia Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8711-8715.	13.8	16
9	Simple hydrothermal synthesis method for tailoring the physicochemical properties of ZnO: morphology, surface area and polarity. <i>RSC Advances</i> , 2014, 4, 31166.	3.6	14
10	Bottom-Up Design of a Copper—Ruthenium Nanoparticulate Catalyst for Low-Temperature Ammonia Oxidation. <i>Angewandte Chemie</i> , 2017, 129, 8837-8841.	2.0	9
11	Supercritical flow synthesis of PtPdFe alloyed nanoparticles with enhanced low-temperature activity and thermal stability for propene oxidation under lean exhaust gas conditions. <i>Catalysis Science and Technology</i> , 2019, 9, 6691-6699.	4.1	4
12	Gas solute movement in packed columns—A remote control experiment. <i>Education for Chemical Engineers</i> , 2013, 8, e94-e104.	4.8	3
13	Locating Fe dopants in catalytic PtPd nanoparticles on γ -alumina using X-ray absorption spectroscopy. <i>Catalysis Science and Technology</i> , 2021, 11, 1961-1964.	4.1	0