Michalis Konsolakis

List of Publications by Year
in descending order

31	2,130	304743 22	434195 31
papers	citations	h-index	g-index

34	34	34	2557
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ceria nanoparticles shape effects on the structural defects and surface chemistry: Implications in CO oxidation by Cu/CeO2 catalysts. Applied Catalysis B: Environmental, 2018, 230, 18-28.	20.2	359
2	Recent Advances on Nitrous Oxide (N₂O) Decomposition over Non-Noble-Metal Oxide Catalysts: Catalytic Performance, Mechanistic Considerations, and Surface Chemistry Aspects. ACS Catalysis, 2015, 5, 6397-6421.	11.2	297
3	The role of Copperâ€“Ceria interactions in catalysis science: Recent theoretical and experimental advances. Applied Catalysis B: Environmental, 2016, 198, 49-66.	20.2	241
4	Ultrasound-assisted removal of Acid Red 17 using nanosized Fe3O4-loaded coffee waste hydrochar. Ultrasonics Sonochemistry, 2017, 35, 72-80.	8.2	102
5	Surface and redox properties of cobaltâ€“ceria binary oxides: On the effect of Co content and pretreatment conditions. Applied Surface Science, 2015, 341, 48-54.	6.1	95
6	Redox properties and VOC oxidation activity of Cu catalysts supported on Ce1â^'xSmxOÎ´ mixed oxides. Journal of Hazardous Materials, 2013, 261, 512-521.	12.4	92
7	Preparation of novel CeO2-biochar nanocomposite for sonocatalytic degradation of a textile dye. Ultrasonics Sonochemistry, 2018, 41, 503-513.	8.2	81
8	Cu2O-CuO@biochar composite: Synthesis, characterization and its efficient photocatalytic performance. Applied Surface Science, 2019, 498, 143846.	6.1	71
9	Impact of the synthesis parameters on the solid state properties and the CO oxidation performance of ceria nanoparticles. RSC Advances, 2017, 7, 6160-6169.	3.6	67
10	Hydrogen Production by Ethanol Steam Reforming (ESR) over CeO2 Supported Transition Metal (Fe, Co,) Tj ETQq0 0 0 rgBT /Overlock 1	3.5	66
11	Recent Advances on the Rational Design of Non-Precious Metal Oxide Catalysts Exemplified by CuOx/CeO2 Binary System: Implications of Size, Shape and Electronic Effects on Intrinsic Reactivity and Metal-Support Interactions. Catalysts, 2020, 10, 160.	3.5	66
12	Deciphering the role of Ni particle size and nickel-ceria interfacial perimeter in the low-temperature CO2 methanation reaction over remarkably active Ni/CeO2 nanorods. Applied Catalysis B: Environmental, 2021, 297, 120401.	20.2	65
13	Strong Promotion by Na of Pt/Î³-Al2O3 Catalysts Operated under Simulated Exhaust Conditions. Journal of Catalysis, 2000, 193, 330-337.	6.2	64
14	Facet-Dependent Reactivity of Fe2O3/CeO2 Nanocomposites: Effect of Ceria Morphology on CO Oxidation. Catalysts, 2019, 9, 371.	3.5	58
15	The Reduction of NO by Propene over Ba-Promoted Pt/Î³-Al2O3 Catalysts. Journal of Catalysis, 2001, 198, 142-150.	6.2	56
16	Surface/structure functionalization of copper-based catalysts by metal-support and/or metalâ€“metal interactions. Applied Surface Science, 2014, 320, 244-255.	6.1	45
17	CO2 Hydrogenation over Nanoceria-Supported Transition Metal Catalysts: Role of Ceria Morphology (Nanorods versus Nanocubes) and Active Phase Nature (Co versus Cu). Nanomaterials, 2019, 9, 1739.	4.1	45
18	Remarkable efficiency of Ni supported on hydrothermally synthesized CeO2 nanorods for low-temperature CO2 hydrogenation to methane. Catalysis Communications, 2020, 142, 106036.	3.3	41

#	Article	IF	Citations
19	Facet-Dependent Reactivity of Ceria Nanoparticles Exemplified by CeO2-Based Transition Metal Catalysts: A Critical Review. Catalysts, 2021, 11, 452.	3.5	33
20	Optimization of N₂O decomposition activity of CuOâ€“CeO₂ mixed oxides by means of synthesis procedure and alkali (Cs) promotion. Catalysis Science and Technology, 2018, 8, 2312-2322.	4.1	32
21	Ethyl Acetate Abatement on Copper Catalysts Supported on Ceria Doped with Rare Earth Oxides. Molecules, 2016, 21, 644.	3.8	29
22	Effect of alkali (Cs) doping on the surface chemistry and CO2 hydrogenation performance of CuO/CeO2 catalysts. Journal of CO2 Utilization, 2021, 44, 101408.	6.8	26
23	Effect of the Preparation Method on the Physicochemical Properties and the CO Oxidation Performance of Nanostructured CeO2/TiO2 Oxides. Processes, 2020, 8, 847.	2.8	21
24	Ceria Nanoparticlesâ€™ Morphological Effects on the N2O Decomposition Performance of Co3O4/CeO2 Mixed Oxides. Catalysts, 2019, 9, 233.	3.5	16
25	Hydrothermal Synthesis of ZnOâ€“doped Ceria Nanorods: Effect of ZnO Content on the Redox Properties and the CO Oxidation Performance. Applied Sciences (Switzerland), 2020, 10, 7605.	2.5	13
26	Shape Effects of Ceria Nanoparticles on the Waterâ€'Gas Shift Performance of CuOx/CeO2 Catalysts. Catalysts, 2021, 11, 753.	3.5	12
27	Synthesis of copper (I, II) oxides/hydrochar nanocomposites for the efficient sonocatalytic degradation of organic contaminants. Journal of Industrial and Engineering Chemistry, 2021, 95, 73-82.	5.8	11
28	Îechno-economic assessment of industrially-captured CO2 upgrade to synthetic natural gas by means of renewable hydrogen. Renewable Energy, 2021, 179, 1884-1896.	8.9	11
29	Support-induced modifications on the CO2 hydrogenation performance of Ni/CeO2: The effect of ZnO doping on CeO2 nanorods. Journal of CO2 Utilization, 2022, 61, 102057.	6.8	8
30	Surface Chemistry and Catalysis. Catalysts, 2016, 6, 102.	3.5	3
31	Rational Design of Non-Precious Metal Oxide Catalysts by Means of Advanced Synthetic and Promotional Routes. Catalysts, 2021, 11, 895.	3.5	0