

Michalis Konsolakis

List of Publications by Year in descending order

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papers

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citations

304743

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Support-induced modifications on the CO ₂ hydrogenation performance of Ni/CeO ₂ : The effect of ZnO doping on CeO ₂ nanorods. <i>Journal of CO₂ Utilization</i> , 2022, 61, 102057.	6.8	8
2	Synthesis of copper (I, II) oxides/hydrochar nanocomposites for the efficient sonocatalytic degradation of organic contaminants. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 95, 73-82.	5.8	11
3	Effect of alkali (Cs) doping on the surface chemistry and CO ₂ hydrogenation performance of CuO/CeO ₂ catalysts. <i>Journal of CO₂ Utilization</i> , 2021, 44, 101408.	6.8	26
4	Facet-Dependent Reactivity of Ceria Nanoparticles Exemplified by CeO ₂ -Based Transition Metal Catalysts: A Critical Review. <i>Catalysts</i> , 2021, 11, 452.	3.5	33
5	Shape Effects of Ceria Nanoparticles on the Water-Gas Shift Performance of CuO _x /CeO ₂ Catalysts. <i>Catalysts</i> , 2021, 11, 753.	3.5	12
6	Rational Design of Non-Precious Metal Oxide Catalysts by Means of Advanced Synthetic and Promotional Routes. <i>Catalysts</i> , 2021, 11, 895.	3.5	0
7	Deciphering the role of Ni particle size and nickel-ceria interfacial perimeter in the low-temperature CO ₂ methanation reaction over remarkably active Ni/CeO ₂ nanorods. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120401.	20.2	65
8	Techno-economic assessment of industrially-captured CO ₂ upgrade to synthetic natural gas by means of renewable hydrogen. <i>Renewable Energy</i> , 2021, 179, 1884-1896.	8.9	11
9	Effect of the Preparation Method on the Physicochemical Properties and the CO Oxidation Performance of Nanostructured CeO ₂ /TiO ₂ Oxides. <i>Processes</i> , 2020, 8, 847.	2.8	21
10	Hydrothermal Synthesis of ZnO-doped Ceria Nanorods: Effect of ZnO Content on the Redox Properties and the CO Oxidation Performance. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7605.	2.5	13
11	Remarkable efficiency of Ni supported on hydrothermally synthesized CeO ₂ nanorods for low-temperature CO ₂ hydrogenation to methane. <i>Catalysis Communications</i> , 2020, 142, 106036.	3.3	41
12	Recent Advances on the Rational Design of Non-Precious Metal Oxide Catalysts Exemplified by CuO _x /CeO ₂ Binary System: Implications of Size, Shape and Electronic Effects on Intrinsic Reactivity and Metal-Support Interactions. <i>Catalysts</i> , 2020, 10, 160.	3.5	66
13	Cu ₂ O-CuO@biochar composite: Synthesis, characterization and its efficient photocatalytic performance. <i>Applied Surface Science</i> , 2019, 498, 143846.	6.1	71
14	Facet-Dependent Reactivity of Fe ₂ O ₃ /CeO ₂ Nanocomposites: Effect of Ceria Morphology on CO Oxidation. <i>Catalysts</i> , 2019, 9, 371.	3.5	58
15	Ceria Nanoparticles' Morphological Effects on the N ₂ O Decomposition Performance of Co ₃ O ₄ /CeO ₂ Mixed Oxides. <i>Catalysts</i> , 2019, 9, 233.	3.5	16
16	CO ₂ Hydrogenation over Nanoceria-Supported Transition Metal Catalysts: Role of Ceria Morphology (Nanorods versus Nanocubes) and Active Phase Nature (Co versus Cu). <i>Nanomaterials</i> , 2019, 9, 1739.	4.1	45
17	Optimization of N ₂ O decomposition activity of CuO-CeO ₂ mixed oxides by means of synthesis procedure and alkali (Cs) promotion. <i>Catalysis Science and Technology</i> , 2018, 8, 2312-2322.	4.1	32
18	Ceria nanoparticles shape effects on the structural defects and surface chemistry: Implications in CO oxidation by Cu/CeO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2018, 230, 18-28.	20.2	359

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19	Preparation of novel CeO ₂ -biochar nanocomposite for sonocatalytic degradation of a textile dye. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 503-513.	8.2	81
20	Ultrasound-assisted removal of Acid Red 17 using nanosized Fe ₃ O ₄ -loaded coffee waste hydrochar. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 72-80.	8.2	102
21	Impact of the synthesis parameters on the solid state properties and the CO oxidation performance of ceria nanoparticles. <i>RSC Advances</i> , 2017, 7, 6160-6169.	3.6	67
22	Ethyl Acetate Abatement on Copper Catalysts Supported on Ceria Doped with Rare Earth Oxides. <i>Molecules</i> , 2016, 21, 644.	3.8	29
23	Hydrogen Production by Ethanol Steam Reforming (ESR) over CeO ₂ Supported Transition Metal (Fe, Co). <i>Tj ETQq1_1_0.784314 rgBT /Dv</i>	3.5	66
24	Surface Chemistry and Catalysis. <i>Catalysts</i> , 2016, 6, 102.	3.5	3
25	The role of Copper-Ceria interactions in catalysis science: Recent theoretical and experimental advances. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 49-66.	20.2	241
26	Surface and redox properties of cobalt-ceria binary oxides: On the effect of Co content and pretreatment conditions. <i>Applied Surface Science</i> , 2015, 341, 48-54.	6.1	95
27	Recent Advances on Nitrous Oxide (N ₂ O) Decomposition over Non-Noble-Metal Oxide Catalysts: Catalytic Performance, Mechanistic Considerations, and Surface Chemistry Aspects. <i>ACS Catalysis</i> , 2015, 5, 6397-6421.	11.2	297
28	Surface/structure functionalization of copper-based catalysts by metal-support and/or metal-metal interactions. <i>Applied Surface Science</i> , 2014, 320, 244-255.	6.1	45
29	Redox properties and VOC oxidation activity of Cu catalysts supported on Ce _{1-x} Sm _x O ₃ mixed oxides. <i>Journal of Hazardous Materials</i> , 2013, 261, 512-521.	12.4	92
30	The Reduction of NO by Propene over Ba-Promoted Pt/Al ₂ O ₃ Catalysts. <i>Journal of Catalysis</i> , 2001, 198, 142-150.	6.2	56
31	Strong Promotion by Na of Pt/Al ₂ O ₃ Catalysts Operated under Simulated Exhaust Conditions. <i>Journal of Catalysis</i> , 2000, 193, 330-337.	6.2	64