

Xiaowei Xie

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

3,180
citations

840119

11
h-index

940134

16
g-index

17
all docs

17
docs citations

17
times ranked

5093
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature oxidation of CO catalysed by Co ₃ O ₄ nanorods. <i>Nature</i> , 2009, 458, 746-749.	13.7	2,327
2	Morphology control of cobalt oxide nanocrystals for promoting their catalytic performance. <i>Nanoscale</i> , 2009, 1, 50.	2.8	242
3	Novel Ni catalysts for methane decomposition to hydrogen and carbon nanofibers. <i>Journal of Catalysis</i> , 2006, 238, 412-424.	3.1	194
4	Highly Efficient Hydrogenation of Nitrobenzene to Aniline over Pt/CeO ₂ Catalysts: The Shape Effect of the Support and Key Role of Additional Ce ³⁺ Sites. <i>ACS Catalysis</i> , 2020, 10, 10350-10363.	5.5	117
5	Synthesis of Nanorod-Shaped Cobalt Hydroxycarbonate and Oxide with the Mediation of Ethylene Glycol. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2116-2123.	1.5	83
6	Synthesis of γ -Ni(OH) ₂ with hydrocalcite-like structure: Precursor for the formation of NiO and Ni nanomaterials with fibrous shapes. <i>Chemical Engineering Journal</i> , 2008, 136, 398-408.	6.6	63
7	Selective hydrogenation of cinnamaldehyde to cinnamyl alcohol over BN-supported Pt catalysts at room temperature. <i>Applied Catalysis A: General</i> , 2019, 578, 105-115.	2.2	49
8	A comparative study on different regeneration processes of Pt-Sn/ γ -Al ₂ O ₃ catalysts for propane dehydrogenation. <i>Journal of Energy Chemistry</i> , 2018, 27, 311-318.	7.1	30
9	Shape and ligand effect of palladium nanocrystals on furan hydrogenation. <i>New Journal of Chemistry</i> , 2019, 43, 2567-2574.	1.4	20
10	Boosting selectivity and stability on Pt/BN catalysts for propane dehydrogenation via calcination & reduction-mediated strong metal-support interaction. <i>Journal of Energy Chemistry</i> , 2022, 67, 451-457.	7.1	17
11	Morphological effect of non-supported copper nanocrystals on furfural hydrogenation. <i>Catalysis Communications</i> , 2016, 86, 5-8.	1.6	13
12	Pd/BN catalysts for highly efficient hydrogenation of maleic anhydride to succinic anhydride. <i>Applied Catalysis A: General</i> , 2022, 630, 118471.	2.2	9
13	Interpreting the role of carbon in phase transformation from β -FeOOH to γ -Fe ₂ O ₃ . <i>Materials Letters</i> , 2021, 296, 129860.	1.3	6
14	Effect of textual features and surface properties of activated carbon on the production of hydrogen peroxide from hydroxylamine oxidation. <i>RSC Advances</i> , 2017, 7, 25305-25313.	1.7	4
15	Enhanced Catalytic Hydrogen Peroxide Production from Hydroxylamine Oxidation on Modified Activated Carbon Fibers: The Role of Surface Chemistry. <i>Catalysts</i> , 2021, 11, 1515.	1.6	2