

Joseph A Singh

List of Publications by Year in descending order

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15
papers

704
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687363

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1287
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold Nanoparticles Supported on Carbon Nitride: Influence of Surface Hydroxyls on Low Temperature Carbon Monoxide Oxidation. ACS Catalysis, 2012, 2, 1138-1146.	11.2	127
2	Area-Selective Atomic Layer Deposition of Metal Oxides on Noble Metals through Catalytic Oxygen Activation. Chemistry of Materials, 2018, 30, 663-670.	6.7	90
3	Nanoengineering Heterogeneous Catalysts by Atomic Layer Deposition. Annual Review of Chemical and Biomolecular Engineering, 2017, 8, 41-62.	6.8	80
4	A Process for Topographically Selective Deposition on 3D Nanostructures by Ion Implantation. ACS Nano, 2016, 10, 4451-4458.	14.6	78
5	Rh-MnO Interface Sites Formed by Atomic Layer Deposition Promote Syngas Conversion to Higher Oxygenates. ACS Catalysis, 2017, 7, 5746-5757.	11.2	66
6	<i>In situ</i> observation of phase changes of a silica-supported cobalt catalyst for the Fischer-Tropsch process by the development of a synchrotron-compatible <i>in situ/operando</i> powder X-ray diffraction cell. Journal of Synchrotron Radiation, 2018, 25, 1673-1682.	2.4	47
7	Understanding Structure-Property Relationships of MoO ₃ -Promoted Rh Catalysts for Syngas Conversion to Alcohols. Journal of the American Chemical Society, 2019, 141, 19655-19668.	13.7	41
8	The Role of Aluminum in Promoting Ni-Fe-OOH Electrocatalysts for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2019, 2, 3488-3499.	5.1	30
9	Effect of alkyl and aryl substitutions on 1,2,4-triazolium-based ionic liquids for carbon dioxide separation and capture. RSC Advances, 2013, 3, 3981.	3.6	29
10	Understanding the Active Sites of CO Hydrogenation on Pt-Co Catalysts Prepared Using Atomic Layer Deposition. Journal of Physical Chemistry C, 2018, 122, 2184-2194.	3.1	29
11	Synthesis of a Hybrid Nanostructure of ZnO-Decorated MoS ₂ by Atomic Layer Deposition. ACS Nano, 2020, 14, 1757-1769.	14.6	29
12	Role of Co ₂ C in ZnO-promoted Co Catalysts for Alcohol Synthesis from Syngas. ChemCatChem, 2019, 11, 799-809.	3.7	26
13	Theoretical and Experimental Studies of CoGa Catalysts for the Hydrogenation of CO ₂ to Methanol. Catalysis Letters, 2018, 148, 3583-3591.	2.6	17
14	Understanding Selectivity in CO ₂ Hydrogenation to Methanol for MoP Nanoparticle Catalysts Using In Situ Techniques. Catalysts, 2021, 11, 143.	3.5	11
15	Understanding Support Effects of ZnO-Promoted Co Catalysts for Syngas Conversion to Alcohols Using Atomic Layer Deposition. ChemCatChem, 2021, 13, 770-781.	3.7	4