

Jonathan Horlyck

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

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citations

840119

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docs citations

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times ranked

703
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the impact of Ni and Co loading on the selectivity of bimetallic NiCo catalysts for dry reforming of methane. <i>Chemical Engineering Journal</i> , 2018, 352, 572-580.	6.6	144
2	Modulating Activity through Defect Engineering of Tin Oxides for Electrochemical CO ₂ Reduction. <i>Advanced Science</i> , 2019, 6, 1900678.	5.6	92
3	Mixed-Metal MOF ⁷⁴ Templated Catalysts for Efficient Carbon Dioxide Capture and Methanation. <i>Advanced Functional Materials</i> , 2021, 31, 2007624.	7.8	65
4	Uncovering Atomic-Scale Stability and Reactivity in Engineered Zinc Oxide Electrocatalysts for Controllable Syngas Production. <i>Advanced Energy Materials</i> , 2020, 10, 2001381.	10.2	51
5	Asymmetrical Double Flame Spray Pyrolysis-Designed SiO ₂ /Ce _{0.7} Zr _{0.3} O ₂ for the Dry Reforming of Methane. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25766-25777.	4.0	26
6	Effect of Metal-Support Interactions in Mixed Co/Al Catalysts for Dry Reforming of Methane. <i>ChemCatChem</i> , 2019, 11, 3432-3440.	1.8	26
7	Unifying double flame spray pyrolysis with lanthanum doping to restrict cobalt-aluminate formation in Co/Al ₂ O ₃ catalysts for the dry reforming of methane. <i>Catalysis Science and Technology</i> , 2019, 9, 4970-4980.	2.1	23
8	The Impact of La Doping on Dry Reforming Ni-Based Catalysts Loaded on FSP-Alumina. <i>Topics in Catalysis</i> , 2018, 61, 1842-1855.	1.3	20
9	Plasma Treating Mixed Metal Oxides to Improve Oxidative Performance via Defect Generation. <i>Materials</i> , 2019, 12, 2756.	1.3	15
10	Manipulation of planar oxygen defect arrangements in multifunctional magnéli titanium oxide hybrid systems: from energy conversion to water treatment. <i>Energy and Environmental Science</i> , 2020, 13, 5080-5096.	15.6	15
11	Plasma-Induced Catalyst Support Defects for the Photothermal Methanation of Carbon Dioxide. <i>Materials</i> , 2021, 14, 4195.	1.3	11
12	Engineering Multidefects on Ce _x Si _{1-x} O ₂ Nanocomposites for the Catalytic Ozonation Reaction. <i>Small</i> , 2022, 18, e2103530.	5.2	6
13	Complexities of Capturing Light for Enhancing Thermal Catalysis. <i>Catalysis Letters</i> , 2022, 152, 619-628.	1.4	2
14	Multifunctional Catalysts for Direct Conversion of Alcohols to Long-Chain Hydrocarbons via Deoxygenative Olefination. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14657-14662.	3.2	2
15	Electronic Effects of Support Doping on Hydrotalcite-Supported Iridium N-Heterocyclic Carbene Complexes. <i>ACS Omega</i> , 2022, 7, 24705-24713.	1.6	1