

# Jonathan Horlyck

## List of Publications by Year in descending order

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15  
papers

499  
citations

840119

11  
h-index

996533

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexities of Capturing Light for Enhancing Thermal Catalysis. <i>Catalysis Letters</i> , 2022, 152, 619-628.	1.4	2
2	Engineering Multidefects on Ce <sub>x</sub> Si <sub>1-x</sub> O <sub>2</sub> Nanocomposites for the Catalytic Ozonation Reaction. <i>Small</i> , 2022, 18, e2103530.	5.2	6
3	Electronic Effects of Support Doping on Hydrotalcite-Supported Iridium N-Heterocyclic Carbene Complexes. <i>ACS Omega</i> , 2022, 7, 24705-24713.	1.6	1
4	Mixed-Metal MOF-74 Templated Catalysts for Efficient Carbon Dioxide Capture and Methanation. <i>Advanced Functional Materials</i> , 2021, 31, 2007624.	7.8	65
5	Plasma-Induced Catalyst Support Defects for the Photothermal Methanation of Carbon Dioxide. <i>Materials</i> , 2021, 14, 4195.	1.3	11
6	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
7	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
8	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
9	Unifying double flame spray pyrolysis with lanthanum doping to restrict cobalt-aluminate formation in Co/Al <sub>2</sub> O <sub>3</sub> catalysts for the dry reforming of methane. <i>Catalysis Science and Technology</i> , 2019, 9, 4970-4980.	2.1	23
10	Asymmetrical Double Flame Spray Pyrolysis-Designed SiO <sub>2</sub> /Ce <sub>0.7</sub> Zr <sub>0.3</sub> O <sub>2</sub> for the Dry Reforming of Methane. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 25766-25777.	4.0	26
11	Modulating Activity through Defect Engineering of Tin Oxides for Electrochemical CO <sub>2</sub> Reduction. <i>Advanced Science</i> , 2019, 6, 1900678.	5.6	92
12	Plasma Treating Mixed Metal Oxides to Improve Oxidative Performance via Defect Generation. <i>Materials</i> , 2019, 12, 2756.	1.3	15
13	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
14	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
15	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