

# Jithin John Varghese

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1374694/publications.pdf>

Version: 2024-02-01

9  
papers

385  
citations

1307594  
7  
h-index

1588992  
8  
g-index

9  
all docs

9  
docs citations

9  
times ranked

660  
citing authors

#	ARTICLE	IF	CITATIONS
1	Origins of complex solvent effects on chemical reactivity and computational tools to investigate them: a review. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 165-206.	3.7	108
2	Unraveling the mechanism of the oxidation of glycerol to dicarboxylic acids over a sonochemically synthesized copper oxide catalyst. <i>Green Chemistry</i> , 2018, 20, 2730-2741.	9.0	85
3	Insights into the synergistic role of metal–lattice oxygen site pairs in four-centered C–H bond activation of methane: the case of CuO. <i>Catalysis Science and Technology</i> , 2016, 6, 3984-3996.	4.1	59
4	Insights into the C–H Bond Activation on NiO Surfaces: The Role of Nickel and Oxygen Vacancies and of Low Valent Dopants on the Reactivity and Energetics. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17969-17981.	3.1	44
5	Synergistic Contribution of the Acidic Metal Oxide–Metal Couple and Solvent Environment in the Selective Hydrogenolysis of Glycerol: A Combined Experimental and Computational Study Using ReO <sub>3</sub> as the Catalyst. <i>ACS Catalysis</i> , 2019, 9, 485-503.	11.2	40
6	Influence of Hubbard U Parameter in Simulating Adsorption and Reactivity on CuO: Combined Theoretical and Experimental Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21343-21353.	3.1	35
7	Computational design of catalysts for bio-waste upgrading. <i>Current Opinion in Chemical Engineering</i> , 2019, 26, 20-27.	7.8	7
8	Assembly of Two-Dimensional Metal Organic Framework Superstructures <i>via</i> Solvent-Mediated Oriented Attachment. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22837-22847.	3.1	7
9	First-principles investigation of the coupling-induced dissociation of methane and its transformation to ethane and ethylene. <i>Chemical Physics Letters</i> , 2018, 708, 21-27.	2.6	0