

# Manoj Ravi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1273550/publications.pdf>

Version: 2024-02-01

16  
papers

1,175  
citations

840585

11  
h-index

996849

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1261  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Direct Catalytic Oxidation of Methane to Methanol – A Critical Assessment. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16464-16483.	7.2	537
2	Towards a better understanding of Lewis acidic aluminium in zeolites. <i>Nature Materials</i> , 2020, 19, 1047-1056.	13.3	181
3	Misconceptions and challenges in methane-to-methanol over transition-metal-exchanged zeolites. <i>Nature Catalysis</i> , 2019, 2, 485-494.	16.1	140
4	On the location of Lewis acidic aluminum in zeolite mordenite and the role of framework-associated aluminum in mediating the switch between Brønsted and Lewis acidity. <i>Chemical Science</i> , 2021, 12, 4094-4103.	3.7	58
5	Lewis Acidity Inherent to the Framework of Zeolite Mordenite. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15139-15144.	1.5	54
6	Die direkte katalytische Oxidation von Methan zu Methanol – eine kritische Beurteilung. <i>Angewandte Chemie</i> , 2017, 129, 16684-16704.	1.6	51
7	Oxidation of methane to methanol over Cu-exchanged zeolites: Scientia gratia scientiae or paradigm shift in natural gas valorization?. <i>Journal of Catalysis</i> , 2020, 385, 238-245.	3.1	35
8	Homogeneous Copper-Catalyzed Conversion of Methane to Methyl Trifluoroacetate in High Yield at Low Pressure. <i>ChemCatChem</i> , 2018, 10, 2383-2386.	1.8	31
9	Facilitating green ammonia manufacture under milder conditions: what do heterogeneous catalyst formulations have to offer?. <i>Chemical Science</i> , 2022, 13, 890-908.	3.7	29
10	Structure and Framework Association of Lewis Acid Sites in MOR Zeolite. <i>Journal of the American Chemical Society</i> , 2022, 144, 10377-10385.	6.6	23
11	Heterogeneously Catalyzed Aerobic Oxidation of Methane to a Methyl Derivative. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18138-18143.	7.2	21
12	Lithium-nitrogen-hydrogen systems for ammonia synthesis: exploring a more efficient pathway using lithium nitride-hydride. <i>Chemical Communications</i> , 2022, 58, 6076-6079.	2.2	5
13	Identifying Opportunities to Promote Systems Thinking in Catalysis Education. <i>Journal of Chemical Education</i> , 2021, 98, 1583-1593.	1.1	4
14	Evaluation and Predictive Model Development of Oxidative Stability of Biodiesel on Storage. <i>Chemical Engineering Communications</i> , 2016, 203, 676-682.	1.5	2
15	Esterification Product Protection Strategies for Direct and Selective Methane Conversion. <i>Chimia</i> , 2021, 75, 305.	0.3	2
16	Heterogeneously Catalyzed Aerobic Oxidation of Methane to a Methyl Derivative. <i>Angewandte Chemie</i> , 2021, 133, 18286-18291.	1.6	2