

Lars I Van Der Wal

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

787
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

964
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximizing noble metal utilization in solid catalysts by control of nanoparticle location. <i>Science</i> , 2022, 377, 204-208.	12.6	73
2	Developments and advances in <i>in situ</i> transmission electron microscopy for catalysis research. <i>Catalysis Science and Technology</i> , 2021, 11, 3634-3658.	4.1	19
3	Control and Impact of Metal Loading Heterogeneities at the Nanoscale on the Performance of Pt/Zeolite Y Catalysts for Alkane Hydroconversion. <i>ACS Catalysis</i> , 2021, 11, 3842-3855.	11.2	35
4	Bifunctional Co-based Catalysts for Fischer-Tropsch Synthesis: Descriptors Affecting the Product Distribution. <i>ChemCatChem</i> , 2021, 13, 2726-2742.	3.7	10
5	Visualizing Element Migration over Bifunctional Metal-Zeolite Catalysts and its Impact on Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 17876-17884.	2.0	53
6	Visualizing Element Migration over Bifunctional Metal-Zeolite Catalysts and its Impact on Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17735-17743.	13.8	99
7	Impact of the Spatial Organization of Bifunctional Metal-Zeolite Catalysts on the Hydroisomerization of Light Alkanes. <i>Angewandte Chemie</i> , 2020, 132, 3620-3628.	2.0	49
8	Impact of the Spatial Organization of Bifunctional Metal-Zeolite Catalysts on the Hydroisomerization of Light Alkanes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3592-3600.	13.8	117
9	Influence of intimacy for metal-mesoporous solid acids catalysts for <i>n</i> -alkanes hydro-conversion. <i>Catalysis Science and Technology</i> , 2020, 10, 2111-2119.	4.1	20
10	Increasing the activity of copper exchanged mordenite in the direct isothermal conversion of methane to methanol by Pt and Pd doping. <i>Chemical Science</i> , 2019, 10, 167-171.	7.4	17
11	Stability of mesocellular foam supported copper catalysts for methanol synthesis. <i>Catalysis Today</i> , 2019, 334, 79-89.	4.4	5
12	Multiscale Mechanistic Insights of Shaped Catalyst Body Formulations and Their Impact on Catalytic Properties. <i>ACS Catalysis</i> , 2019, 9, 4792-4803.	11.2	72
13	Structure sensitivity of Cu and CuZn catalysts relevant to industrial methanol synthesis. <i>Nature Communications</i> , 2016, 7, 13057.	12.8	218