

# Lars I Van Der Wal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5671084/publications.pdf>

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