

# Elisabeth M Dietze

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2212513/publications.pdf>

Version: 2024-02-01

10  
papers

278  
citations

1478505

6  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalyst deactivation via decomposition into single atoms and the role of metal loading. <i>Nature Catalysis</i> , 2019, 2, 748-755.	34.4	171
2	Size-controlled nanocrystals reveal spatial dependence and severity of nanoparticle coalescence and Ostwald ripening in sintering phenomena. <i>Nanoscale</i> , 2021, 13, 930-938.	5.6	24
3	Predicting the Strength of Metal-Support Interaction with Computational Descriptors for Adhesion Energies. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20443-20450.	3.1	20
4	Modeling the Size Dependency of the Stability of Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25464-25469.	3.1	20
5	Comparison of Sintering by Particle Migration and Ripening through First-Principles-Based Simulations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26563-26569.	3.1	13
6	Structure-Dependent Strain Effects. <i>ChemPhysChem</i> , 2020, 21, 2407-2410.	2.1	11
7	Surface steps dominate the water formation on Pd(111) surfaces. <i>Journal of Chemical Physics</i> , 2022, 156, 064701.	3.0	8
8	Kinetic Monte Carlo Model for Gas Phase Diffusion in Nanoscopic Systems. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11524-11531.	3.1	4
9	Theoretical Investigation of the Size Effect on the Oxygen Adsorption Energy of Coinage Metal Nanoparticles. <i>Catalysis Letters</i> , 2021, 151, 3165-3169.	2.6	4
10	Reduced Carbon Monoxide Saturation Coverage on Vicinal Palladium Surfaces: the Importance of the Adsorption Site. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9508-9515.	4.6	3