Elisabeth M Dietze

List of Publications by Year
in descending order

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