Tim Kratky

List of Publications by Year
in descending order

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21 papers	588 citations	1040056 9 h-index	839539 18 g-index
24 all docs	24 docs citations	24 times ranked	981 citing authors

#	Article	IF	Citations
1	The Key to High Performance Low Pt Loaded Electrodes. Journal of the Electrochemical Society, 2017, 164, F418-F426.	2.9	183
2	Optimizing the Size of Platinum Nanoparticles for Enhanced Mass Activity in the Electrochemical Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2019, 58, 9596-9600.	13.8	100
3	On the deactivation of Ni-Al catalysts in CO2 methanation. Applied Catalysis A: General, 2019, 570, 376-386.	4.3	86
4	Generation and Stabilization of Small Platinum Clusters Pt_{12Â±x} Inside a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 13962-13969.	13.7	47
5	An in situ investigation of the thermal decomposition of metal-organic framework NH2-MIL-125 (Ti). Microporous and Mesoporous Materials, 2021, 316, 110957.	4.4	43
6	Mixed precious-group metalâ€“organic frameworks: a case study of the HKUST-1 analogue [Ru_xRh_{3â^'x}(BTC)₂]. Dalton Transactions, 2019, 48, 12031-12039.	3.3	31
7	Thermally induced gluten modification observed with rheology and spectroscopies. International Journal of Biological Macromolecules, 2021, 173, 26-33.	7.5	14
8	Silicon Nanosheets versus Graphene Nanosheets: A Comparison of Their Nonlinear Optical Response. Journal of Physical Chemistry Letters, 2021, 12, 815-821.	4.6	12
9	Steric and Electronic Effects of Phosphane Additives on the Catalytic Performance of Colloidal Palladium Nanoparticles in the Semiâ€Hydrogenation of Alkynes. ChemCatChem, 2021, 13, 227-234.	3.7	11
10	Exploiting Cooperative Catalysis for the Onâ€Surface Synthesis of Linear Heteroaromatic Polymers via Selective Câ€“H Activation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	10
11	Optimierung der GrÃ¶ÃŸe von Platinâ€Nanopartikeln fÃ¼r eine erhÃ¶hte MassenaktivitÃt der elektrochemischen Sauerstoffreduktion. Angewandte Chemie, 2019, 131, 9697-9702.	2.0	9
12	Towards Sizeâ€Controlled Deposition of Palladium Nanoparticles from Polyoxometalate Precursors: An Electrochemical Scanning Tunneling Microscopy Study. ChemElectroChem, 2021, 8, 1280-1288.	3.4	9
13	Nickel clusters on TiO₂(110): thermal chemistry and photocatalytic hydrogen evolution of methanol. Catalysis Science and Technology, 2020, 10, 7630-7639.	4.1	7
14	Toward the perfect membrane material for environmental x-ray photoelectron spectroscopy. Journal Physics D: Applied Physics, 2021, 54, 234001.	2.8	6
15	From phosphine-stabilised towards naked Au₈ clusters through ZIF-8 encapsulation. Molecular Systems Design and Engineering, 2021, 6, 876-882.	3.4	6
16	Observation of a novel double layer surface oxide phase on Ni₃Al(111) at low temperature. Nanoscale Advances, 2019, 1, 4501-4512.	4.6	5
17	Controlling glass bead surface functionality - Impact on network formation in natural edible polymer systems. Composites Science and Technology, 2021, 211, 108864.	7.8	4
18	Sequential immobilization of ansa-hafnocene complexes for propene polymerization. Journal of Organometallic Chemistry, 2020, 909, 121075.	1.8	2

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19	Exploiting Cooperative Catalysis for the Onâ€surface Synthesis of Linear Heteroaromatic Polymers via Selective Câ€H Activation. Angewandte Chemie, 0, , .	2.0	2
20	Nanometallurgy in solution: organometallic synthesis of intermetallic Pdâ€“Ga colloids and their activity in semi-hydrogenation catalysis. Nanoscale, 2021, 13, 15038-15047.	5.6	1
21	Revisiting the Formation of the (âˆš67 Ã— âˆš67)R12.2Â° Bilayer Oxide on Ni3Al(111) by In Situ STMâ€”Surprises Regarding Oxygen Volume Diffusion. Journal of Physical Chemistry C, 2021, 125, 10349-10361.	3.1	0