

# Tim Kratky

## List of Publications by Year in descending order

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21  
papers

588  
citations

1040056

9  
h-index

839539

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24  
docs citations

24  
times ranked

981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploiting Cooperative Catalysis for the On-Surface Synthesis of Linear Heteroaromatic Polymers via Selective C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	10
2	Steric and Electronic Effects of Phosphane Additives on the Catalytic Performance of Colloidal Palladium Nanoparticles in the Semi-Hydrogenation of Alkynes. <i>ChemCatChem</i> , 2021, 13, 227-234.	3.7	11
3	Nanometallurgy in solution: organometallic synthesis of intermetallic Pd-Ga colloids and their activity in semi-hydrogenation catalysis. <i>Nanoscale</i> , 2021, 13, 15038-15047.	5.6	1
4	Silicon Nanosheets versus Graphene Nanosheets: A Comparison of Their Nonlinear Optical Response. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 815-821.	4.6	12
5	Towards Size-Controlled Deposition of Palladium Nanoparticles from Polyoxometalate Precursors: An Electrochemical Scanning Tunneling Microscopy Study. <i>ChemElectroChem</i> , 2021, 8, 1280-1288.	3.4	9
6	Toward the perfect membrane material for environmental x-ray photoelectron spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 234001.	2.8	6
7	Thermally induced gluten modification observed with rheology and spectroscopies. <i>International Journal of Biological Macromolecules</i> , 2021, 173, 26-33.	7.5	14
8	An in situ investigation of the thermal decomposition of metal-organic framework NH <sub>2</sub> -MIL-125 (Ti). <i>Microporous and Mesoporous Materials</i> , 2021, 316, 110957.	4.4	43
9	Revisiting the Formation of the (√67 Å – √67)R12.2° Bilayer Oxide on Ni <sub>3</sub> Al(111) by In Situ STM – Surprises Regarding Oxygen Volume Diffusion. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10349-10361.	3.1	0
10	Controlling glass bead surface functionality - Impact on network formation in natural edible polymer systems. <i>Composites Science and Technology</i> , 2021, 211, 108864.	7.8	4
11	From phosphine-stabilised towards naked Au <sub>8</sub> clusters through ZIF-8 encapsulation. <i>Molecular Systems Design and Engineering</i> , 2021, 6, 876-882.	3.4	6
12	Sequential immobilization of ansa-hafnocene complexes for propene polymerization. <i>Journal of Organometallic Chemistry</i> , 2020, 909, 121075.	1.8	2
13	Nickel clusters on TiO <sub>2</sub> (110): thermal chemistry and photocatalytic hydrogen evolution of methanol. <i>Catalysis Science and Technology</i> , 2020, 10, 7630-7639.	4.1	7
14	Generation and Stabilization of Small Platinum Clusters Pt <sub>12</sub> Inside a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 13962-13969.	13.7	47
15	Mixed precious-group metal-organic frameworks: a case study of the HKUST-1 analogue [Ru <sub>x</sub> Rh <sub>3-x</sub> (BTC) <sub>2</sub> ]. <i>Dalton Transactions</i> , 2019, 48, 12031-12039.	3.3	31
16	Optimierung der Größe von Platin-Nanopartikeln für eine erhöhte Massenaktivität der elektrochemischen Sauerstoffreduktion. <i>Angewandte Chemie</i> , 2019, 131, 9697-9702.	2.0	9
17	Optimizing the Size of Platinum Nanoparticles for Enhanced Mass Activity in the Electrochemical Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9596-9600.	13.8	100
18	Observation of a novel double layer surface oxide phase on Ni <sub>3</sub> Al(111) at low temperature. <i>Nanoscale Advances</i> , 2019, 1, 4501-4512.	4.6	5

#	ARTICLE	IF	CITATIONS
19	On the deactivation of Ni-Al catalysts in CO <sub>2</sub> methanation. Applied Catalysis A: General, 2019, 570, 376-386.	4.3	86
20	The Key to High Performance Low Pt Loaded Electrodes. Journal of the Electrochemical Society, 2017, 164, F418-F426.	2.9	183
21	Exploiting Cooperative Catalysis for the On-surface Synthesis of Linear Heteroaromatic Polymers via Selective C-H Activation. Angewandte Chemie, 0, , .	2.0	2