Patrick LÃ¶mker

List of Publications by Year
in descending order

19	392	840776 11	940533 16
papers	citations	h-index	g-index

20	20	20	368
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The state of zinc in methanol synthesis over a Zn/ZnO/Cu(211) model catalyst. Science, 2022, 376, 603-608.	12.6	65
2	A high-pressure x-ray photoelectron spectroscopy instrument for studies of industrially relevant catalytic reactions at pressures of several bars. Review of Scientific Instruments, 2019, 90, .	1.3	63
3	Hard x-ray photoelectron spectroscopy: a snapshot of the state-of-the-art in 2020. Journal of Physics Condensed Matter, 2021, 33, 233001.	1.8	55
4	Direct Evidence of Subsurface Oxygen Formation in Oxideâ€Derived Cu by Xâ€ray Photoelectron Spectroscopy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	37
5	Stroboscopic operando spectroscopy of the dynamics in heterogeneous catalysis by event-averaging. Nature Communications, 2021, 12, 6117.	12.8	27
6	Two-dimensional electron system at the magnetically tunable <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>EuO</mml:mi><mml:mtext>/</mml:mtext><mml:mtext> interface. Physical Review Materials, 2017, 1, .	2.4	22
7	Thermodynamic stability and control of oxygen reactivity at functional oxide interfaces: EuO on ITO. Journal of Materials Chemistry C, 2016, 4, 1813-1820.	5.5	17
8	Tunable Magnetic Phases at Fe₃O₄/SrTiO₃ Oxide Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 7576-7583.	8.0	17
9	The Structure of the Active Pd State During Catalytic Carbon Monoxide Oxidization. Journal of Physical Chemistry Letters, 2021, 12, 4461-4465.	4.6	15
10	Bridging the Pressure Gap in CO Oxidation. ACS Catalysis, 2021, 11, 9128-9135.	11.2	14
11	Hard x-ray photoelectron spectroscopy of tunable oxide interfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 013215.	2.1	13
12	In Situ Surface-Sensitive Investigation of Multiple Carbon Phases on Fe(110) in the Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2022, 12, 7609-7621.	11.2	13
13	Redox-controlled epitaxy and magnetism of oxide heterointerfaces: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>EuO</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:mi>SrTiO Physical Review Materials, 2019, 3, .	2.4	12
14	Operando Observation of Oxygenated Intermediates during CO Hydrogenation on Rh Single Crystals. Journal of the American Chemical Society, 2022, 144, 7038-7042.	13.7	10
15	A Novel Method to Maintain the Sample Position and Pressure in Differentially Pumped Systems Below the Resolution Limit of Optical Microscopy Techniques. Applied Spectroscopy, 2021, 75, 137-144.	2.2	6
16	Operando X-Ray Photoelectron Spectroscopy for High-Pressure Catalysis Research Using the POLARIS Endstation. Synchrotron Radiation News, 0, , 1-8.	0.8	3
17	Direct Evidence of Subsurface Oxygen Formation in Oxideâ€Derived CuÂby Xâ€ray Photoelectron Spectroscopy. Angewandte Chemie, 0, , .	2.0	1
18	Back Cover: Direct Evidence of Subsurface Oxygen Formation in Oxideâ€Derived Cu by Xâ€ray Photoelectron Spectroscopy (Angew. Chem. Int. Ed. 3/2022). Angewandte Chemie - International Edition, 2022, 61, .	13.8	1

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19	RÃ¼cktitelbild: Direct Evidence of Subsurface Oxygen Formation in Oxideâ€Derived Cu by Xâ€ray Photoelectron Spectroscopy (Angew. Chem. 3/2022). Angewandte Chemie, 2022, 134, .	2.0	0