Florian Kraushofer

List of Publications by Year
in descending order

19	635	759233 12	839539 18
papers	citations	h-index	g-index

19	19	19	891
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unraveling CO adsorption on model single-atom catalysts. Science, 2021, 371, 375-379.	12.6	179
2	Local Structure and Coordination Define Adsorption in a Model Ir₁/Fe₃O₄ Singleâ€Atom Catalyst. Angewandte Chemie - International Edition, 2019, 58, 13961-13968.	13.8	93
3	Atomic-Scale Structure of the Hematite Î±-Fe₂O₃(11Ì…02) â€œR-Cutâ€•Surface. Journal of Physical Chemistry C, 2018, 122, 1657-1669.	3.1	89
4	Local Structure and Coordination Define Adsorption in a Model Ir₁/Fe₃O₄ Singleâ€Atom Catalyst. Angewandte Chemie, 2019, 131, 14099-14106.	2.0	44
5	Partially Dissociated Water Dimers at the Waterâ€“Hematite Interface. ACS Energy Letters, 2019, 4, 390-396.	17.4	32
6	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>IrO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Surface Complexions Identified through Machine Learning and Surface Investigations. Physical Review Letters, 2020, 125, 206101.	7.8	32
7	Stability and Catalytic Performance of Reconstructed Fe₃O₄(001) and Fe₃O₄(110) Surfaces during Oxygen Evolution Reaction. Journal of Physical Chemistry C, 2019, 123, 8304-8311.	3.1	30
8	Adsorbate-induced structural evolution changes the mechanism of CO oxidation on a Rh/Fe₃O₄(001) model catalyst. Nanoscale, 2020, 12, 5866-5875.	5.6	25
9	Nickel Doping Enhances the Reactivity of Fe₃O₄(001) to Water. Journal of Physical Chemistry C, 2019, 123, 15038-15045.	3.1	16
10	Ni-modified Fe3O4(001) surface as a simple model system for understanding the oxygen evolution reaction. Electrochimica Acta, 2021, 389, 138638.	5.2	16
11	Self-limited growth of an oxyhydroxide phase at the Fe3O4(001) surface in liquid and ambient pressure water. Journal of Chemical Physics, 2019, 151, 154702.	3.0	15
12	CO oxidation by Pt ₂ /Fe ₃ O ₄ : Metastable dimer and support configurations facilitate lattice oxygen extraction. Science Advances, 2022, 8, eabn4580.	10.3	14
13	Single Rh Adatoms Stabilized on Î±-Fe₂O₃(11Ì…02) by Coadsorbed Water. ACS Energy Letters, 2022, 7, 375-380.	17.4	13
14	A Model System for Photocatalysis: Ti-Doped Î±-Fe₂O₃(11Ì…02) Single-Crystalline Films. Chemistry of Materials, 2020, 32, 3753-3764.	6.7	12
15	Surface Reduction State Determines Stabilization and Incorporation of Rh on Î±â€Fe₂O₃(11Â¯02). Advanced Materials Interfaces, 2021, 8, 2001908.	3.7	9
16	Rapid oxygen exchange between hematite and water vapor. Nature Communications, 2021, 12, 6488.	12.8	8
17	Atomicâ€Scale Studies of Fe₃O₄(001) and TiO₂(110) Surfaces Following Immersion in CO₂â€Acidified Water. ChemPhysChem, 2020, 21, 1788-1796.	2.1	7
18	Asymmetric split-ring resonators: a way toward high-quality metamaterials. Optical Engineering, 2013, 53, 031207.	1.0	1

#	Article	IF	Citations
19	Single Atom Catalysts: Surface Reduction State Determines Stabilization and Incorporation of Rh on Î±â€Fe₂O₃(11Â¯02) (Adv. Mater. Interfaces 8/2021). Advanced Materials Interfaces, 2021, 8, 2170045.	3.7	0