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	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
2	Single Rh Adatoms Stabilized on Î±-Fe₂O₃(11Ì…02) by Coadsorbed Water. ACS Energy Letters, 2022, 7, 375-380.	17.4	13
3	Unraveling CO adsorption on model single-atom catalysts. Science, 2021, 371, 375-379.	12.6	179
4	Surface Reduction State Determines Stabilization and Incorporation of Rh on Î±â€Fe₂O₃(11Â¯02). Advanced Materials Interfaces, 2021, 8, 2001908.	3.7	9
5	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
6	Ni-modified Fe3O4(001) surface as a simple model system for understanding the oxygen evolution reaction. Electrochimica Acta, 2021, 389, 138638.	5.2	16
7	Rapid oxygen exchange between hematite and water vapor. Nature Communications, 2021, 12, 6488.	12.8	8
8	<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
9	Atomicâ€Scale Studies of Fe₃O₄(001) and TiO₂(110) Surfaces Following Immersion in CO₂â€Acidified Water. ChemPhysChem, 2020, 21, 1788-1796.	2.1	7
10	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
11	A Model System for Photocatalysis: Ti-Doped Î±-Fe₂O₃(11Ì…02) Single-Crystalline Films. Chemistry of Materials, 2020, 32, 3753-3764.	6.7	12
12	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
13	Local Structure and Coordination Define Adsorption in a Model Ir₁/Fe₃O₄ Singleâ€Atom Catalyst. Angewandte Chemie, 2019, 131, 14099-14106.	2.0	44
14	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
15	Nickel Doping Enhances the Reactivity of Fe₃O₄(001) to Water. Journal of Physical Chemistry C, 2019, 123, 15038-15045.	3.1	16
16	Partially Dissociated Water Dimers at the Waterâ€“Hematite Interface. ACS Energy Letters, 2019, 4, 390-396.	17.4	32
17	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
18	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

#	Article	IF	Citations
19	Asymmetric split-ring resonators: a way toward high-quality metamaterials. Optical Engineering, 2013, 53, 031207.	1.0	1