

Jan Balajka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1005673/publications.pdf>

Version: 2024-02-01

16
papers

433
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	High-affinity adsorption leads to molecularly ordered interfaces on TiO ₂ in air and solution. <i>Science</i> , 2018, 361, 786-789.	12.6	190
2	Surface Structure of TiO ₂ Rutile (011) Exposed to Liquid Water. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26424-26431.	3.1	37
3	Partially Dissociated Water Dimers at the Water-Hematite Interface. <i>ACS Energy Letters</i> , 2019, 4, 390-396.	17.4	32
4	Electrochemical Stability of the Reconstructed Fe ₃ O ₄ (001) Surface. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21904-21908.	13.8	22
5	Probing the geometry of copper and silver adatoms on magnetite: quantitative experiment <i>versus</i> theory. <i>Nanoscale</i> , 2018, 10, 2226-2230.	5.6	21
6	Direct measurement of Ni incorporation into Fe ₃ O ₄ (001). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16469-16476.	2.8	20
7	Single-Crystal Alkali Antimonide Photocathodes: High Efficiency in the Ultrathin Limit. <i>Physical Review Letters</i> , 2022, 128, 114801.	7.8	20
8	Self-Limiting Adsorption of WO ₃ Oligomers on Oxide Substrates in Solution. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19743-19750.	3.1	18
9	Apparatus for dosing liquid water in ultrahigh vacuum. <i>Review of Scientific Instruments</i> , 2018, 89, 083906.	1.3	17
10	Self-limited growth of an oxyhydroxide phase at the Fe ₃ O ₄ (001) surface in liquid and ambient pressure water. <i>Journal of Chemical Physics</i> , 2019, 151, 154702.	3.0	15
11	The effects of oxygen-induced phase segregation on the interfacial electronic structure and quantum efficiency of Cs ₃ Sb photocathodes. <i>Journal of Chemical Physics</i> , 2020, 153, 144705.	3.0	11
12	Reduction of surface roughness emittance of Cs ₃ Sb photocathodes grown via codeposition on single crystal substrates. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	11
13	Rapid oxygen exchange between hematite and water vapor. <i>Nature Communications</i> , 2021, 12, 6488.	12.8	8
14	Atomic-Scale Studies of Fe ₃ O ₄ (001) and TiO ₂ (110) Surfaces Following Immersion in CO ₂ -Acidified Water. <i>ChemPhysChem</i> , 2020, 21, 1788-1796.	2.1	7
15	Probing structural changes upon carbon monoxide coordination to single metal adatoms. <i>Journal of Chemical Physics</i> , 2020, 152, 051102.	3.0	4
16	Electrochemical Stability of the Reconstructed Fe ₃ O ₄ (001) Surface. <i>Angewandte Chemie</i> , 2020, 132, 22088-22092.	2.0	0