

Jan Balajka

List of Publications by Year in descending order

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714
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Crystal Alkali Antimonide Photocathodes: High Efficiency in the Ultrathin Limit. <i>Physical Review Letters</i> , 2022, 128, 114801.	2.9	20
2	Reduction of surface roughness emittance of Cs ₃ Sb photocathodes grown via codeposition on single crystal substrates. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	11
3	Rapid oxygen exchange between hematite and water vapor. <i>Nature Communications</i> , 2021, 12, 6488.	5.8	8
4	Electrochemical Stability of the Reconstructed Fe ₃ O ₄ (001) Surface. <i>Angewandte Chemie</i> , 2020, 132, 22088-22092.	1.6	0
5	Electrochemical Stability of the Reconstructed Fe ₃ O ₄ (001) Surface. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21904-21908.	7.2	22
6	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.	1.2	11
7	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.	1.0	7
8	Probing structural changes upon carbon monoxide coordination to single metal adatoms. <i>Journal of Chemical Physics</i> , 2020, 152, 051102.	1.2	4
9	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.	1.2	15
10	Partially Dissociated Water Dimers at the Water-Hematite Interface. <i>ACS Energy Letters</i> , 2019, 4, 390-396.	8.8	32
11	Probing the geometry of copper and silver adatoms on magnetite: quantitative experiment <i>versus</i> theory. <i>Nanoscale</i> , 2018, 10, 2226-2230.	2.8	21
12	Apparatus for dosing liquid water in ultrahigh vacuum. <i>Review of Scientific Instruments</i> , 2018, 89, 083906.	0.6	17
13	High-affinity adsorption leads to molecularly ordered interfaces on TiO ₂ in air and solution. <i>Science</i> , 2018, 361, 786-789.	6.0	190
14	Direct measurement of Ni incorporation into Fe ₃ O ₄ (001). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16469-16476.	1.3	20
15	Surface Structure of TiO ₂ Rutile (011) Exposed to Liquid Water. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26424-26431.	1.5	37
16	Self-Limiting Adsorption of WO ₃ Oligomers on Oxide Substrates in Solution. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19743-19750.	1.5	18