

# 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

840585

11  
h-index

996849

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 <sub>2</sub> in air and solution. <i>Science</i> , 2018, 361, 786-789.	6.0	190
2	Surface Structure of TiO <sub>2</sub> Rutile (011) Exposed to Liquid Water. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26424-26431.	1.5	37
3	Partially Dissociated Water Dimers at the Water-Hematite Interface. <i>ACS Energy Letters</i> , 2019, 4, 390-396.	8.8	32
4	Electrochemical Stability of the Reconstructed Fe <sub>3</sub> O <sub>4</sub> (001) Surface. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21904-21908.	7.2	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.	2.8	21
6	Direct measurement of Ni incorporation into Fe <sub>3</sub> O <sub>4</sub> (001). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16469-16476.	1.3	20
7	Single-Crystal Alkali Antimonide Photocathodes: High Efficiency in the Ultrathin Limit. <i>Physical Review Letters</i> , 2022, 128, 114801.	2.9	20
8	Self-Limiting Adsorption of WO <sub>3</sub> Oligomers on Oxide Substrates in Solution. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19743-19750.	1.5	18
9	Apparatus for dosing liquid water in ultrahigh vacuum. <i>Review of Scientific Instruments</i> , 2018, 89, 083906.	0.6	17
10	Self-limited growth of an oxyhydroxide phase at the Fe <sub>3</sub> O <sub>4</sub> (001) surface in liquid and ambient pressure water. <i>Journal of Chemical Physics</i> , 2019, 151, 154702.	1.2	15
11	The effects of oxygen-induced phase segregation on the interfacial electronic structure and quantum efficiency of Cs <sub>3</sub> Sb photocathodes. <i>Journal of Chemical Physics</i> , 2020, 153, 144705.	1.2	11
12	Reduction of surface roughness emittance of Cs <sub>3</sub> Sb photocathodes grown via codeposition on single crystal substrates. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	11
13	Rapid oxygen exchange between hematite and water vapor. <i>Nature Communications</i> , 2021, 12, 6488.	5.8	8
14	Atomic-Scale Studies of Fe <sub>3</sub> O <sub>4</sub> (001) and TiO <sub>2</sub> (110) Surfaces Following Immersion in CO <sub>2</sub> -Acidified Water. <i>ChemPhysChem</i> , 2020, 21, 1788-1796.	1.0	7
15	Probing structural changes upon carbon monoxide coordination to single metal adatoms. <i>Journal of Chemical Physics</i> , 2020, 152, 051102.	1.2	4
16	Electrochemical Stability of the Reconstructed Fe <sub>3</sub> O <sub>4</sub> (001) Surface. <i>Angewandte Chemie</i> , 2020, 132, 22088-22092.	1.6	0