

Zahid Hussain

List of Publications by Year in descending order

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papers

7,006
citations

430442

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676716

22
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all docs

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docs citations

22
times ranked

9725
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic structure of p-type transparent conducting oxide CuAlO ₂ . Current Applied Physics, 2022, 39, 107-112.	1.1	5
2	Disparate Exciton-Phonon Couplings for Zone-Center and Boundary Phonons in Solid-State Graphite. Physical Review Letters, 2020, 125, 116401.	2.9	7
3	Dissociate lattice oxygen redox reactions from capacity and voltage drops of battery electrodes. Science Advances, 2020, 6, eaaw3871.	4.7	82
4	A setup for extreme-ultraviolet ultrafast angle-resolved photoelectron spectroscopy at 50-kHz repetition rate. Review of Scientific Instruments, 2019, 90, 023105.	0.6	48
5	High Reversibility of Lattice Oxygen Redox Quantified by Direct Bulk Probes of Both Anionic and Cationic Redox Reactions. Joule, 2019, 3, 518-541.	11.7	225
6	Monochromatic Photocathodes from Graphene-Stabilized Diamondoids. Nano Letters, 2018, 18, 1099-1103.	4.5	8
7	Persistent Charge-Density-Wave Order in Single-Layer TaSe ₂ . Nano Letters, 2018, 18, 689-694.	4.5	108
8	Probing the Surface of Platinum during the Hydrogen Evolution Reaction in Alkaline Electrolyte. Journal of Physical Chemistry B, 2018, 122, 864-870.	1.2	50
9	Stabilizing the Meniscus for Operando Characterization of Platinum During the Electrolyte-Consuming Alkaline Oxygen Evolution Reaction. Topics in Catalysis, 2018, 61, 2152-2160.	1.3	28
10	Spectroscopic Signature of Oxidized Oxygen States in Peroxides. Journal of Physical Chemistry Letters, 2018, 9, 6378-6384.	2.1	80
11	Modular soft x-ray spectrometer for applications in energy sciences and quantum materials. Review of Scientific Instruments, 2017, 88, 013110.	0.6	77
12	High-efficiency <i>in situ</i> resonant inelastic x-ray scattering (iRIXS) endstation at the Advanced Light Source. Review of Scientific Instruments, 2017, 88, 033106.	0.6	107
13	Unravelling the electrochemical double layer by direct probing of the solid/liquid interface. Nature Communications, 2016, 7, 12695.	5.8	267
14	Characterization of collective ground states in single-layer NbSe ₂ . Nature Physics, 2016, 12, 92-97.	6.5	536
15	Using <i>in situ</i> X-ray Ambient Pressure X-Ray Photoelectron Spectroscopy as A Direct Probe of Solid-Liquid Interface. Scientific Reports, 2015, 5, 9788.	1.6	284
16	Direct observation of the energetics at a semiconductor/liquid junction by operando X-ray photoelectron spectroscopy. Energy and Environmental Science, 2015, 8, 2409-2416.	15.6	149
17	X-ray spectroscopy of energy materials under <i>in situ</i> /operando conditions. Journal of Electron Spectroscopy and Related Phenomena, 2015, 200, 264-273.	0.8	81
18	Direct observation of the transition from indirect to direct bandgap in atomically thin epitaxial MoSe ₂ . Nature Nanotechnology, 2014, 9, 111-115.	15.6	1,129

#	ARTICLE	IF	CITATIONS
19	Key electronic states in lithium battery materials probed by soft X-ray spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2013, 190, 64-74.	0.8	89
20	Angle-resolved photoemission studies of the cuprate superconductors. Reviews of Modern Physics, 2003, 75, 473-541.	16.4	3,191
21	A differentially pumped electrostatic lens system for photoemission studies in the millibar range. Review of Scientific Instruments, 2002, 73, 3872-3877.	0.6	453