

Zahid Hussain

List of Publications by Year in descending order

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21
papers

7,006
citations

430754

18
h-index

677027

22
g-index

22
all docs

22
docs citations

22
times ranked

9725
citing authors

#	ARTICLE	IF	CITATIONS
1	Angle-resolved photoemission studies of the cuprate superconductors. <i>Reviews of Modern Physics</i> , 2003, 75, 473-541.	16.4	3,191
2	Direct observation of the transition from indirect to direct bandgap in atomically thin epitaxial MoSe ₂ . <i>Nature Nanotechnology</i> , 2014, 9, 111-115.	15.6	1,129
3	Characterization of collective ground states in single-layer NbSe ₂ . <i>Nature Physics</i> , 2016, 12, 92-97.	6.5	536
4	A differentially pumped electrostatic lens system for photoemission studies in the millibar range. <i>Review of Scientific Instruments</i> , 2002, 73, 3872-3877.	0.6	453
5	Using "Tender" X-ray Ambient Pressure X-Ray Photoelectron Spectroscopy as A Direct Probe of Solid-Liquid Interface. <i>Scientific Reports</i> , 2015, 5, 9788.	1.6	284
6	Unravelling the electrochemical double layer by direct probing of the solid/liquid interface. <i>Nature Communications</i> , 2016, 7, 12695.	5.8	267
7	High Reversibility of Lattice Oxygen Redox Quantified by Direct Bulk Probes of Both Anionic and Cationic Redox Reactions. <i>Joule</i> , 2019, 3, 518-541.	11.7	225
8	Direct observation of the energetics at a semiconductor/liquid junction by operando X-ray photoelectron spectroscopy. <i>Energy and Environmental Science</i> , 2015, 8, 2409-2416.	15.6	149
9	Persistent Charge-Density-Wave Order in Single-Layer TaSe ₂ . <i>Nano Letters</i> , 2018, 18, 689-694.	4.5	108
10	High-efficiency <i>in situ</i> resonant inelastic x-ray scattering (iRIXS) endstation at the Advanced Light Source. <i>Review of Scientific Instruments</i> , 2017, 88, 033106.	0.6	107
11	Key electronic states in lithium battery materials probed by soft X-ray spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 190, 64-74.	0.8	89
12	Dissociate lattice oxygen redox reactions from capacity and voltage drops of battery electrodes. <i>Science Advances</i> , 2020, 6, eaaw3871.	4.7	82
13	X-ray spectroscopy of energy materials under <i>in situ/operando</i> conditions. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 200, 264-273.	0.8	81
14	Spectroscopic Signature of Oxidized Oxygen States in Peroxides. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6378-6384.	2.1	80
15	Modular soft x-ray spectrometer for applications in energy sciences and quantum materials. <i>Review of Scientific Instruments</i> , 2017, 88, 013110.	0.6	77
16	Probing the Surface of Platinum during the Hydrogen Evolution Reaction in Alkaline Electrolyte. <i>Journal of Physical Chemistry B</i> , 2018, 122, 864-870.	1.2	50
17	A setup for extreme-ultraviolet ultrafast angle-resolved photoelectron spectroscopy at 50-kHz repetition rate. <i>Review of Scientific Instruments</i> , 2019, 90, 023105.	0.6	48
18	Stabilizing the Meniscus for Operando Characterization of Platinum During the Electrolyte-Consuming Alkaline Oxygen Evolution Reaction. <i>Topics in Catalysis</i> , 2018, 61, 2152-2160.	1.3	28

#	ARTICLE	IF	CITATIONS
19	Monochromatic Photocathodes from Graphene-Stabilized Diamondoids. Nano Letters, 2018, 18, 1099-1103.	4.5	8
20	Disparate Exciton-Phonon Couplings for Zone-Center and Boundary Phonons in Solid-State Graphite. Physical Review Letters, 2020, 125, 116401.	2.9	7
21	Electronic structure of p-type transparent conducting oxide CuAlO ₂ . Current Applied Physics, 2022, 39, 107-112.	1.1	5