Indro Biswas

List of Publications by Year
in descending order

21 papers	615 citations	471509 17 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	995 citing authors

#	Article	IF	Citations
1	Orientation and electronic properties of phthalocyanines on polycrystalline substrates. Physica Status Solidi (B): Basic Research, 2009, 246, 1529-1545.	1.5	75
2	Investigation of Magnesium–Sulfur Batteries using Electrochemical Impedance Spectroscopy. Electrochimica Acta, 2020, 338, 135787.	5.2	48
3	Exploring the Interface of Skin–Layered Titanium Fibers for Electrochemical Water Splitting. Advanced Energy Materials, 2021, 11, 2002926.	19.5	48
4	Buried interfacial layer of highly oriented molecules in copper phthalocyanine thin films on polycrystalline gold. Journal of Chemical Physics, 2007, 126, 174704.	3.0	47
5	Local impact of humidification on degradation in polymer electrolyte fuel cells. Journal of Power Sources, 2017, 352, 42-55.	7.8	44
6	Locally Resolved Core–hole Screening, Molecular Orientation, and Morphology in Thin Films of Diindenoperylene Deposited on Au(111) Single Crystals. Advanced Materials, 2010, 22, 3740-3744.	21.0	40
7	Interaction between Cobalt Phthalocyanine and Gold Studied by X-ray Absorption and Resonant Photoemission Spectroscopy. Journal of Physical Chemistry Letters, 2010, 1, 3380-3384.	4.6	37
8	Nanoscale Assembly of Paramagnetic Organic Radicals on Au(111) Single Crystals. Chemistry - A European Journal, 2013, 19, 3445-3450.	3.3	36
9	Highly Stable Carbon–Free Ag/Co$_3$O$_4$–Cathodes for Lithium–Air Batteries: Electrochemical and Structural Investigations. Advanced Energy Materials, 2015, 5, 1500763.	19.5	26
10	Ultrathin transition-metal oxide films: Thickness dependence of the electronic structure and local geometry in MnO. Physical Review B, 2007, 75, .	3.2	24
11	Initial molecular orientation of phthalocyanines on oxide substrates. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2524-2528.	1.8	24
12	Energy distribution and quantum yield for photoemission from air-contaminated gold surfaces under ultraviolet illumination close to the threshold. Journal of Applied Physics, 2012, 111, .	2.5	24
13	*A*-site deficient chromite with *in situ* Ni exsolution as a fuel electrode for solid oxide cells (SOCs). Journal of Materials Chemistry A, 2021, 9, 5685-5701.	10.3	22
14	Deciphering the Exceptional Performance of NiFe Hydroxide for the Oxygen Evolution Reaction in an Anion Exchange Membrane Electrolyzer. ACS Applied Energy Materials, 2022, 5, 2221-2230.	5.1	22
15	Role of the substrate in electronic structure, molecular orientation, and morphology of organic thin films: diindenoperylene on rutile TiO2(110). Physical Chemistry Chemical Physics, 2009, 11, 9000.	2.8	21
16	Electronic Structure and Interface Properties of a Model Molecule for Organic Solar Cells. ChemPhysChem, 2010, 11, 269-275.	2.1	20
17	Laterally Resolved Orientation and Film Thickness of Polar Metal Chlorine Phthalocyanines on Au and ITO. Journal of Physical Chemistry C, 2011, 115, 11657-11665.	3.1	18
18	Towards Replacing Titanium with Copper in the Bipolar Plates for Proton Exchange Membrane Water Electrolysis. Materials, 2022, 15, 1628.	2.9	13

#	Article	IF	Citations
19	Advancement of Segmented Cell Technology in Low Temperature Hydrogen Technologies. Energies, 2020, 13, 2301.	3.1	10
20	Long‐Term Operation of Nb‐Coated Stainless Steel Bipolar Plates for Proton Exchange Membrane Water Electrolyzers. Advanced Energy and Sustainability Research, 2022, 3, .	5.8	8
21	Orientation of Differently Substituted Phthalocyanines: First Layers and Thin Films. Molecular Crystals and Liquid Crystals, 2006, 455, 241-249.	0.9	7