Indro Biswas

List of Publications by Year
in descending order

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21 papers	615 citations	471061 17 h-index	676716 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.	0.7	75
2	Investigation of Magnesiumâ€“Sulfur Batteries using Electrochemical Impedance Spectroscopy. Electrochimica Acta, 2020, 338, 135787.	2.6	48
3	Exploring the Interface of Skinâ€Layered Titanium Fibers for Electrochemical Water Splitting. Advanced Energy Materials, 2021, 11, 2002926.	10.2	48
4	Buried interfacial layer of highly oriented molecules in copper phthalocyanine thin films on polycrystalline gold. Journal of Chemical Physics, 2007, 126, 174704.	1.2	47
5	Local impact of humidification on degradation in polymer electrolyte fuel cells. Journal of Power Sources, 2017, 352, 42-55.	4.0	44
6	Locally Resolved Coreâ€hole Screening, Molecular Orientation, and Morphology in Thin Films of Diindenoperylene Deposited on Au(111) Single Crystals. Advanced Materials, 2010, 22, 3740-3744.	11.1	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.	2.1	37
8	Nanoscale Assembly of Paramagnetic Organic Radicals on Au(111) Single Crystals. Chemistry - A European Journal, 2013, 19, 3445-3450.	1.7	36
9	Highly Stable Carbonâ€Free Ag/Co₃O₄â€Cathodes for Lithiumâ€Air Batteries: Electrochemical and Structural Investigations. Advanced Energy Materials, 2015, 5, 1500763.	10.2	26
10	Ultrathin transition-metal oxide films: Thickness dependence of the electronic structure and local geometry in MnO. Physical Review B, 2007, 75, .	1.1	24
11	Initial molecular orientation of phthalocyanines on oxide substrates. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2524-2528.	0.8	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, .	1.1	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.	5.2	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.	2.5	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.	1.3	21
16	Electronic Structure and Interface Properties of a Model Molecule for Organic Solar Cells. ChemPhysChem, 2010, 11, 269-275.	1.0	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.	1.5	18
18	Towards Replacing Titanium with Copper in the Bipolar Plates for Proton Exchange Membrane Water Electrolysis. Materials, 2022, 15, 1628.	1.3	13

#	Article	IF	Citations
19	Advancement of Segmented Cell Technology in Low Temperature Hydrogen Technologies. Energies, 2020, 13, 2301.	1.6	10
20	Longâ€Term Operation of Nbâ€Coated Stainless Steel Bipolar Plates for Proton Exchange Membrane Water Electrolyzers. Advanced Energy and Sustainability Research, 2022, 3, .	2.8	8
21	Orientation of Differently Substituted Phthalocyanines: First Layers and Thin Films. Molecular Crystals and Liquid Crystals, 2006, 455, 241-249.	0.4	7