

Subha Sadhu

List of Publications by Year in descending order

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15
papers

421
citations

759233

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h-index

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1000
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of Reversible Transformation of CH ₃ NH ₃ PbI ₃ and NH ₄ PbI ₃ Induced by Polar Gaseous Molecules. Journal of Physical Chemistry Letters, 2016, 7, 5068-5073.	4.6	62
2	Heat- and Gas-Induced Transformation in CH ₃ NH ₃ PbI ₃ Perovskites and Its Effect on the Efficiency of Solar Cells. Chemistry of Materials, 2017, 29, 8478-8485.	6.7	50
3	Low-Energy Electron-Induced Transformations in Organolead Halide Perovskite. Angewandte Chemie - International Edition, 2016, 55, 10083-10087.	13.8	49
4	Template-Free Fabrication of Highly-Oriented Single-Crystalline 1D-Rutile TiO ₂ -MWCNT Composite for Enhanced Photoelectrochemical Activity. Journal of Physical Chemistry C, 2014, 118, 19363-19373.	3.1	44
5	Growth of oriented single crystalline La-doped TiO ₂ nanorod arrays electrode and investigation of optoelectronic properties for enhanced photoelectrochemical activity. RSC Advances, 2013, 3, 10363.	3.6	41
6	Study of the nucleation and growth of antibiotic labeled Au NPs and blue luminescent Au ₈ quantum clusters for Hg ²⁺ ion sensing, cellular imaging and antibacterial applications. Nanoscale, 2015, 7, 19985-20002.	5.6	37
7	Observing the Migration of Hydrogen Species in Hybrid Perovskite Materials through D/H Isotope Exchange. Journal of the American Chemical Society, 2020, 142, 10431-10437.	13.7	27
8	Surface chemistry and growth mechanism of highly oriented, single crystalline TiO ₂ nanorods on transparent conducting oxide coated glass substrates. RSC Advances, 2013, 3, 1933-1940.	3.6	19
9	Physical Mechanism Behind Enhanced Photoelectrochemical and Photocatalytic Properties of Superhydrophilic Assemblies of 3D-TiO ₂ Microspheres with Arrays of Oriented, Single-Crystalline TiO ₂ Nanowires as Building Blocks Deposited on Fluorine-Doped Tin Oxide. ACS Applied Materials & Interfaces, 2017, 9, 11202-11211.	8.0	19
10	Electronic Properties of Free-Standing Surfactant-Capped Lead Halide Perovskite Nanocrystals Isolated in Vacuo. Journal of Physical Chemistry Letters, 2018, 9, 3604-3611.	4.6	18
11	A broad spectrum photon responsive, paramagnetic $\text{F}^{2-}\text{NaGdF}_4\text{:Yb}^{3+},\text{Er}^{3+}$ mesoporous anatase titania nanocomposite. RSC Advances, 2016, 6, 53504-53518.	3.6	16
12	Modulation of Reaction Kinetics for the Tuneable Synthesis of Gold Nanoparticles and Quantum Clusters: Application of Gold Quantum Clusters as a Sensing Probe for Sn ⁴⁺ ions. ChemPlusChem, 2014, 79, 134-142.	2.8	15
13	<i>In situ</i> identification of cation-exchange-induced reversible transformations of 3D and 2D perovskites. Chemical Communications, 2018, 54, 5879-5882.	4.1	12
14	Unexpected surface interactions between fluorocarbons and hybrid organic inorganic perovskites evidenced by PM-IRRAS and their application towards tuning the surface potential. Materials Horizons, 2019, 6, 192-197.	12.2	10
15	Luminescence turn-off detection of metal ions and explosives using graphene quantum dots. MRS Communications, 2022, 12, 168-174.	1.8	2