

Subhasis Shit

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,036
citations

623188

14
h-index

676716

22
g-index

23
all docs

23
docs citations

23
times ranked

1261
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal lanthanum-doping triggered enhancement in bifunctional water splitting activity of molybdenum oxide/sulfide heterostructure through structural evolution. <i>Chemical Engineering Journal</i> , 2022, 428, 131131.	6.6	15
2	Conducting scaffold supported defect rich 3D rGO-CNT/MoS ₂ nanostructure for efficient HER electrocatalyst at variable pH. <i>Composites Part B: Engineering</i> , 2022, 230, 109489.	5.9	17
3	Assisting the formation of S-doped FeMoO ₄ in lieu of an iron oxide/molybdenum sulfide heterostructure: A unique approach towards attaining excellent electrocatalytic water splitting activity. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 11128-11142.	3.8	10
4	An account of the strategies to enhance the water splitting efficiency of noble-metal-free electrocatalysts. <i>Journal of Energy Chemistry</i> , 2021, 59, 160-190.	7.1	48
5	Optimization of specific capacitance and water splitting efficiency of N-enriched carbon by incorporating oxides of transition metals via an ancient chemical technique. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114929.	1.9	2
6	The structure–activity correlation of bifunctional MnO ₂ polymorphic and MoS ₂ -based heterostructures: a highly efficient, robust electrochemical water oxidation and reduction reaction catalyst in alkaline pH. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1148-1157.	2.5	9
7	Activation Strategy of MoS ₂ as HER Electrocatalyst through Doping-Induced Lattice Strain, Band Gap Engineering, and Active Crystal Plane Design. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 765-780.	4.0	86
8	Synthesis of iron pyrite with efficient bifunctional electrocatalytic activity towards overall water splitting in alkaline medium. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	7
9	A novel strategy to achieve 2V symmetric supercapacitor using B, N doped rGO as an electrode material in seawater in salt based hydrous electrolyte. <i>Electrochimica Acta</i> , 2021, 388, 138571.	2.6	10
10	Tailoring the bifunctional electrocatalytic activity of electrodeposited molybdenum sulfide/iron oxide heterostructure to achieve excellent overall water splitting. <i>Chemical Engineering Journal</i> , 2021, 417, 129333.	6.6	27
11	Progress in theoretical and experimental investigation on seawater electrolysis: opportunities and challenges. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5915-5945.	2.5	37
12	Doping-Assisted Phase Changing Effect on MoS ₂ Towards Hydrogen Evolution Reaction in Acidic and Alkaline pH. <i>ChemElectroChem</i> , 2020, 7, 336-346.	1.7	34
13	Alteration in electrocatalytic water splitting activity of reduced graphene oxide through simultaneous and individual doping of Lewis acid/base center. <i>Electrochimica Acta</i> , 2020, 362, 137146.	2.6	9
14	Understanding the Synergistic Effect in Oxygen Evolution Reaction Catalysis from Chemical Kinetics Point of View: An Iron Oxide/Nickel Oxide Case Study. <i>Journal of the Electrochemical Society</i> , 2020, 167, 116514.	1.3	11
15	FeNiS@MoS ₂ Heterostructure: A Bioinspired Nonprecious Electrocatalyst for the Hydrogen Evolution Reaction in Acidic and Basic Media. <i>ChemElectroChem</i> , 2020, 7, 3324-3335.	1.7	9
16	Binder-Free Growth of Nickel-Doped Iron Sulfide on Nickel Foam via Electrochemical Deposition for Electrocatalytic Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18015-18026.	3.2	65
17	Effect of Ion Diffusion in Cobalt Molybdenum Bimetallic Sulfide toward Electrocatalytic Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21634-21644.	4.0	47
18	Effect of the Solvent Ratio (Ethylene Glycol/Water) on the Preparation of an Iron Sulfide Electrocatalyst and Its Activity towards Overall Water Splitting. <i>ChemElectroChem</i> , 2019, 6, 3199-3208.	1.7	17

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19	Optimization of active surface area of flower like MoS ₂ using V-doping towards enhanced hydrogen evolution reaction in acidic and basic medium. Applied Catalysis B: Environmental, 2019, 254, 432-442.	10.8	185
20	Tribological behavior of dodecylamine functionalized graphene nanosheets dispersed engine oil nanolubricants. Tribology International, 2019, 131, 605-619.	3.0	73
21	Hierarchical Cobalt Sulfide/Molybdenum Sulfide Heterostructure as Bifunctional Electrocatalyst towards Overall Water Splitting. ChemElectroChem, 2019, 6, 430-438.	1.7	49
22	Cobalt Sulfide/Nickel Sulfide Heterostructure Directly Grown on Nickel Foam: An Efficient and Durable Electrocatalyst for Overall Water Splitting Application. ACS Applied Materials & Interfaces, 2018, 10, 27712-27722.	4.0	269
23	Precursor-Dependent Formation of Iron Pyrite and its Application as Supercapacitor Electrode Material. Journal of the Institution of Engineers (India): Series C, 0, , 1.	0.7	0