

Ranjith Bose

List of Publications by Year in descending order

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29
papers

1,066
citations

430442

18
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476904

29
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all docs

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docs citations

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times ranked

1572
citing authors

#	ARTICLE	IF	CITATIONS
1	Unveiling a binary metal selenide composite of CuSe polyhedrons/CoSe ₂ nanorods decorated graphene oxide as an active electrode material for high-performance hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 427, 131535.	6.6	63
2	Unveiling the Redox Electrochemistry of MOF-Derived NiCo@GC Polyhedron as an Advanced Electrode Material for Boosting Specific Energy of the Supercapattery. <i>Small</i> , 2022, 18, e2107284.	5.2	43
3	ZIF-8 templated assembly of La ³⁺ -anchored ZnO distorted nano-hexagons as an efficient active photocatalyst for the detoxification of rhodamine B in water. <i>Environmental Pollution</i> , 2021, 272, 116018.	3.7	30
4	Self-Supportive Bimetallic Selenide Heteronanostructures as High-Efficiency Electro(pre)catalysts for Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13114-13123.	3.2	15
5	Ternary Zn _{1-x} Ni _x Se nanostructures as efficient photocatalysts for detoxification of hazardous Congo red, methyl orange, and chrome yellow dyes in wastewater sources. <i>Environmental Research</i> , 2021, 201, 111587.	3.7	16
6	A hexagonal 2D ZIF-Co-L variant: Unusual role of graphene oxide on the water-regulated morphology of ZIF hybrid and their derived Co@N-doped carbon electrocatalyst for hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 426, 131270.	6.6	27
7	Nonaqueous liquid electrolytes based on novel 1-ethyl-3-methylimidazolium bis (nonafluorobutane-1-sulfonyl imidate) ionic liquid for energy storage devices. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1251-1260.	2.6	19
8	High performance multicomponent bifunctional catalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13795-13805.	5.2	51
9	High performance, 3D-hierarchical CoS ₂ /CoSe@C nano hybrid as an efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155537.	2.8	30
10	Highly porous, hierarchical microglobules of Co ₃ O ₄ embedded N-doped carbon matrix for high performance asymmetric supercapacitors. <i>Applied Surface Science</i> , 2020, 529, 147147.	3.1	44
11	Bio-inspired proton conducting phytigel derived zwitterionic complex membranes for fuel cells. <i>International Journal of Energy Research</i> , 2020, 45, 17120.	2.2	1
12	Hybrid lithium-ion capacitors based on novel 1-butyl-3-methylimidazolium bis(nonafluorobutanesulfonyl imide) (BMImBNFSI) ionic liquid electrolytes: a detailed investigation of electrochemical and cycling behaviors. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5216-5227.	2.6	7
13	Biopolymer phytigel-derived porous nanocarbon as efficient electrode material for high-performance symmetric solid-state supercapacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 258-264.	2.9	17
14	Electrodeposition of Unary Oxide on a Bimetallic Hydroxide as a Highly Active and Stable Catalyst for Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16392-16400.	3.2	35
15	Electrocatalysts: Molybdenum Sulphoselenophosphide Spheroids as an Effective Catalyst for Hydrogen Evolution Reaction (Small 8/2018). <i>Small</i> , 2018, 14, 1870034.	5.2	1
16	Co ₃ Se ₄ nanosheets embedded on N-CNT as an efficient electroactive material for hydrogen evolution and supercapacitor applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 65, 62-71.	2.9	47
17	Molybdenum Sulphoselenophosphide Spheroids as an Effective Catalyst for Hydrogen Evolution Reaction. <i>Small</i> , 2018, 14, 1703862.	5.2	37
18	Comparative investigation of the molybdenum sulphide doped with cobalt and selenium towards hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018, 271, 211-219.	2.6	30

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19	Harvesting Electronic Waste for the Development of Highly Efficient Eco-Design Electrodes for Electrocatalytic Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1802615.	10.2	80
20	A Highly Effective, Stable Oxygen Evolution Catalyst Derived from Transition Metal Selenides and Phosphides. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800135.	1.2	28
21	Cobalt encapsulated in the nitrogen and sulfur co-doped carbon nanotube supported platinum for the oxygen reduction reaction catalyst. <i>Carbon</i> , 2018, 139, 656-665.	5.4	12
22	Co-catalytic Effects of CoS_2 on the Activity of the MoS_2 Catalyst for Electrochemical Hydrogen Evolution. <i>Langmuir</i> , 2017, 33, 5628-5635.	1.6	59
23	Facile Nanostructured Composite Synthesis of Selenium and Molybdenum Chalcogenides/Carbon Nanotubes for Li-ion Batteries. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 1347-1352.	1.0	4
24	Influence of Phosphidation on CoSe_2 Catalyst for Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , 2017, 2, 10661-10667.	0.7	9
25	High Turnover Frequency of Hydrogen Evolution Reaction on Amorphous MoS_2 Thin Film Directly Grown by Atomic Layer Deposition. <i>Langmuir</i> , 2015, 31, 1196-1202.	1.6	183
26	Importance of Hydrophilic Pretreatment in the Hydrothermal Growth of Amorphous Molybdenum Sulfide for Hydrogen Evolution Catalysis. <i>Langmuir</i> , 2015, 31, 5220-5227.	1.6	72
27	Structure and electrochemical performances of co-substituted $\text{LiSm}_x\text{La}_{0.2-x}\text{Mn}_{1.8}\text{O}_4$ cathode materials for rechargeable lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2183-2192.	1.2	8
28	Fortification of $\text{Ni-Y}_2\text{O}_3$ nanocomposite coatings prepared by pulse and direct current methods. <i>Ionics</i> , 2011, 17, 495-501.	1.2	11
29	Ni-Co-TiO_2 nanocomposite coating prepared by pulse and pulse reversal methods using acetate bath. <i>Applied Surface Science</i> , 2010, 257, 42-47.	3.1	87