

Rajmohan Rajendiran

List of Publications by Year in descending order

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15
papers

518
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759190

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citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing ORR/OER active sites through lattice distortion of Fe-enriched FeNi ₃ intermetallic nanoparticles doped N-doped carbon for high-performance rechargeable Zn-air battery. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 977-990.	9.4	99
2	Mn-Co bimetallic phosphate on electrodeposited PANI nanowires with composition modulated structural morphology for efficient electrocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120202.	20.2	73
3	Revealing the Self-Degradation Mechanisms in Methylammonium Lead Iodide Perovskites in Dark and Vacuum. <i>ChemPhysChem</i> , 2018, 19, 1507-1513.	2.1	56
4	Bimetallic copper nickel sulfide electrocatalyst by one step chemical bath deposition for efficient and stable overall water splitting applications. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 101-112.	9.4	56
5	Transition metal chalcogenide based MnSe heterostructured with NiCo ₂ O ₄ as a new high performance electrode material for capacitive energy storage. <i>New Journal of Chemistry</i> , 2019, 43, 12630-12640.	2.8	34
6	Self-assembled 3D hierarchical MnCO ₃ /NiFe layered double hydroxides as a superior electrocatalysts for the oxygen evolution reactions. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 224-233.	9.4	32
7	Stabilization of cryptomelane δ -MnO ₂ nanowires tunnels widths for enhanced electrochemical energy storage. <i>Electrochimica Acta</i> , 2018, 283, 1679-1688.	5.2	31
8	Electrodeposited Trimetallic NiFeW Hydroxide Electrocatalysts for Efficient Water Oxidation. <i>ChemSusChem</i> , 2021, 14, 1324-1335.	6.8	31
9	Inhibition of Redox Behaviors in Hierarchically Structured Manganese Cobalt Phosphate Supercapacitor Performance by Surface Trivalent Cations. <i>ACS Omega</i> , 2018, 3, 1718-1725.	3.5	30
10	Porous shiitake mushroom carbon composite with NiCo ₂ O ₄ nanorod electrochemical characteristics for efficient supercapacitor applications. <i>Ionics</i> , 2020, 26, 345-354.	2.4	23
11	Electrospun One Dimensional (1D) Pseudocapacitive nanorods embedded carbon nanofiber as positrode and graphene wrapped carbon nanofiber as negatrode for enhanced electrochemical energy storage.. <i>Journal of Energy Storage</i> , 2022, 46, 103731.	8.1	21
12	Core-double shells heterostructure γ -Fe ₂ O ₃ @FeS ₂ @C nanocubics with energy level matching double interfaces to boost the oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021, 885, 160986.	5.5	13
13	Interplay between porous texture and surface-active sites for efficient oxygen reduction reactions in N-inherited carbon. <i>New Journal of Chemistry</i> , 2020, 44, 10911-10917.	2.8	8
14	Oxygen Vacancy-Enhanced Ternary Nickel-Tungsten-Cerium Metal Alloy Oxides for Efficient Alkaline Electrochemical Full Cell Water Splitting Using Anion Exchange Membrane. <i>ChemElectroChem</i> , 2022, 9, .	3.4	6
15	Oxygen vacancy defect tungsten-oxide-quantum-dot-modified nitrogen-doped graphene with interfacial tiny primitives to boost oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2022, 908, 164588.	5.5	5