Rajmohan Rajendiran

List of Publications by Citations

14 papers	198 citations	8 h-index	14 g-index
15 ext. papers	355 ext. citations	6.9 avg, IF	3.72 L-index

#	Paper	IF	Citations
14	Revealing the Self-Degradation Mechanisms in Methylammonium Lead Iodide Perovskites in Dark and Vacuum. *ChemPhysChem*, **2018**, 19, 1507-1513	3.2	35
13	Enhancing ORR/OER active sites through lattice distortion of Fe-enriched FeNi intermetallic nanoparticles doped N-doped carbon for high-performance rechargeable Zn-air battery. *Journal of Colloid and Interface Science*, **2021**, 582, 977-990	9.3	32
12	Stabilization of cryptomelane □MnO2 nanowires tunnels widths for enhanced electrochemical energy storage. *Electrochimica Acta*, **2018**, 283, 1679-1688	6.7	23
11	Mn-Co bimetallic phosphate on electrodeposited PANI nanowires with composition modulated structural morphology for efficient electrocatalytic water splitting. *Applied Catalysis B: Environmental*, **2021**, 292, 120202	21.8	22
10	Self-assembled 3D hierarchical MnCO/NiFe layered double hydroxides as a superior electrocatalysts for the oxygen evolution reactions. *Journal of Colloid and Interface Science*, **2020**, 566, 224-233	9.3	19
9	Inhibition of Redox Behaviors in Hierarchically Structured Manganese Cobalt Phosphate Supercapacitor Performance by Surface Trivalent Cations. *ACS Omega*, **2018**, 3, 1718-1725	3.9	18
8	Transition metal chalcogenide based MnSe heterostructured with NiCo2O4 as a new high performance electrode material for capacitive energy storage. *New Journal of Chemistry*, **2019**, 43, 12630-12640	3.6	16
7	Porous shiitake mushroom carbon composite with NiCo2O4 nanorod electrochemical characteristics for efficient supercapacitor applications. *Ionics*, **2020**, 26, 345-354	2.7	12
6	Electrodeposited Trimetallic NiFeW Hydroxide Electrocatalysts for Efficient Water Oxidation. *ChemSusChem*, **2021**, 14, 1324-1335	8.3	7
5	Interplay between porous texture and surface-active sites for efficient oxygen reduction reactions in N-inherited carbon. *New Journal of Chemistry*, **2020**, 44, 10911-10917	3.6	4
4	Bimetallic copper nickel sulfide electrocatalyst by one step chemical bath deposition for efficient and stable overall water splitting applications. *Journal of Colloid and Interface Science*, **2022**, 606, 101-112	9.3	4
3	Electrospun One Dimensional (1D) Pseudocapacitive nanorods embedded carbon nanofiber as positrode and graphene wrapped carbon nanofiber as negatrode for enhanced electrochemical energy storage.. *Journal of Energy Storage*, **2022**, 46, 103731	7.8	3
2	Oxygen vacancy defect tungsten-oxide-quantum-dot-modified nitrogen-doped graphene with interfacial tiny primitives to boost oxygen reduction reaction. *Journal of Alloys and Compounds*, **2022**, 908, 164588	5.7	2
1	Core-double shells heterostructure □Fe2O3@FeS2@C nanocubics with energy level matching double interfaces to boost the oxygen evolution reaction. *Journal of Alloys and Compounds*, **2021**, 885, 160986	5.7	1