

Deviprasath Chinnadurai

List of Publications by Year in descending order

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26
papers

755
citations

471509

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552781

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26
all docs

26
docs citations

26
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Revealing the Self-Degradation Mechanisms in Methylammonium Lead Iodide Perovskites in Dark and Vacuum. <i>ChemPhysChem</i> , 2018, 19, 1507-1513.	2.1	56
3	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
4	Mn ³⁺ Active Surface Site Enriched Manganese Phosphate Nanopolyhedrons for Enhanced Bifunctional Oxygen Electrocatalyst. <i>ChemCatChem</i> , 2020, 12, 2348-2355.	3.7	53
5	Effect of the cobalt and zinc ratio on the preparation of zeolitic imidazole frameworks (ZIFs): synthesis, characterization and supercapacitor applications. <i>Dalton Transactions</i> , 2019, 48, 14808-14819.	3.3	39
6	Novel electrode material derived from porous polymeric organic framework of phloroglucinol and terephthaldehyde for symmetric supercapacitors. <i>Journal of Energy Storage</i> , 2020, 28, 101283.	8.1	39
7	Novel 13X Zeolite/PANI electrocatalyst for hydrogen and oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28337-28349.	7.1	38
8	Influence of annealing temperature in nitrogen doped porous carbon balls derived from hypercross-linked polymer of anthracene for supercapacitor applications. <i>Journal of Energy Storage</i> , 2020, 28, 101196.	8.1	36
9	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
10	Selective Growth of Zn-Co-Se Nanostructures on Various Conductive Substrates for Asymmetric Flexible Hybrid Supercapacitor with Enhanced Performance. <i>Advanced Materials Technologies</i> , 2020, 5, 1900873.	5.8	33
11	Stabilization of cryptomelane \pm -MnO ₂ nanowires tunnels widths for enhanced electrochemical energy storage. <i>Electrochimica Acta</i> , 2018, 283, 1679-1688.	5.2	31
12	Metal-free multiporous carbon for electrochemical energy storage and electrocatalysis applications. <i>New Journal of Chemistry</i> , 2019, 43, 11653-11659.	2.8	31
13	Electrodeposited Trimetallic NiFeW Hydroxide Electrocatalysts for Efficient Water Oxidation. <i>ChemSusChem</i> , 2021, 14, 1324-1335.	6.8	31
14	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
15	Bio-waste wood-derived porous activated carbon with tuned microporosity for high performance supercapacitors. <i>Journal of Energy Storage</i> , 2022, 52, 104928.	8.1	23
16	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
17	Nickel self-doped iron oxide/manganese carbonate hierarchical 2D/3D structures for electrochemical energy storage. <i>Electrochimica Acta</i> , 2019, 297, 77-86.	5.2	20
18	Multiscale honeycomb-structured activated carbon obtained from nitrogen-containing mandarin peel: high-performance supercapacitors with significant cycling stability. <i>New Journal of Chemistry</i> , 2019, 43, 3486-3492.	2.8	17

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19	Novel porous carbon electrode derived from hypercross-linked polymer of poly(divinylbenzene-co-vinyl benzyl chloride) for supercapacitor applications. Journal of Energy Storage, 2021, 43, 103287.	8.1	17
20	Implementation of novel pulsed laser ablation strategy to control the morphological growth and enrich the electrochemically active sites of multifunctional Ni@CuO electrocatalyst. Journal of Alloys and Compounds, 2022, 901, 163446.	5.5	16
21	Cation modulation in dual-phase nickel sulfide nanospheres by pulsed laser irradiation for overall water splitting and methanol oxidation reaction. Fuel, 2022, 320, 123915.	6.4	15
22	Rapid alloying of Au@Pd nanospheres by a facile pulsed laser technique: Insights into a molar-dependent electrocatalytic methanol oxidation reaction. Journal of Alloys and Compounds, 2022, 891, 162011.	5.5	12
23	Impact of low temperature plasma annealing for flexible, transparent and conductive ITO/PEDOT:PSS composite electrode. Journal of Industrial and Engineering Chemistry, 2021, 93, 423-429.	5.8	11
24	Modulating the Intrinsic Electrocatalytic Activity of Copper Sulfide by Silver Doping for Electrocatalytic Overall Water Splitting. ChemElectroChem, 2022, 9, .	3.4	9
25	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.	2.8	8
26	Oxygen Vacancy-Enhanced Ternary Nickel-Tungsten-Cerium Metal Alloy Oxides for Efficient Alkaline Electrochemical Full Cell Water Splitting Using Anion Exchange Membrane. ChemElectroChem, 2022, 9, .	3.4	6