Deviprasath Chinnadurai

List of Publications by Year
in descending order

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26	755	535685	620720
papers	citations	17	26
		h-index	g-index

26	26	26	809
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid alloying of Auâ€“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.	2.8	12
2	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.	5.0	56
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.	3.9	21
4	Implementation of novel pulsed laser ablation strategy to control the morphological growth and enrich the electrochemically active sites of multifunctional Niâ€“CuO electrocatalyst. Journal of Alloys and Compounds, 2022, 901, 163446.	2.8	16
5	Oxygen Vacancyâ€Enhanced Ternary Nickelâ€Tungstenâ€Cerium Metal Alloyâ€Oxides for Efficient Alkaline Electrochemical Full Cell Water Splitting Using Anion Exchange Membrane. ChemElectroChem, 2022, 9, .	1.7	6
6	Cation modulation in dual-phase nickel sulfide nanospheres by pulsed laser irradiation for overall water splitting and methanol oxidation reaction. Fuel, 2022, 320, 123915.	3.4	15
7	Modulating the Intrinsic Electrocatalytic Activity of Copper Sulfide by Silver Doping for Electrocatalytic Overall Water Splitting. ChemElectroChem, 2022, 9, .	1.7	9
8	Bio-waste wood-derived porous activated carbon with tuned microporosity for high performance supercapacitors. Journal of Energy Storage, 2022, 52, 104928.	3.9	23
9	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.	2.9	11
10	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.	10.8	73
11	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.	3.9	17
12	Electrodeposited Trimetallic NiFeW Hydroxide Electrocatalysts for Efficient Water Oxidation. ChemSusChem, 2021, 14, 1324-1335.	3.6	31
13	Influence of annealing temperature in nitrogen doped porous carbon balls derived from hypercross-linked polymer of anthracene for supercapacitor applications. Journal of Energy Storage, 2020, 28, 101196.	3.9	36
14	Selective Growth of Znâ€“Coâ€“Se Nanostructures on Various Conductive Substrates for Asymmetric Flexible Hybrid Supercapacitor with Enhanced Performance. Advanced Materials Technologies, 2020, 5, 1900873.	3.0	33
15	Novel 13X Zeolite/PANI electrocatalyst for hydrogen and oxygen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 28337-28349.	3.8	38
16	Novel electrode material derived from porous polymeric organic framework of phloroglucinol and terephthaldehyde for symmetric supercapacitors. Journal of Energy Storage, 2020, 28, 101283.	3.9	39
17	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.	1.4	8
18	Mn³⁺ Active Surface Site Enriched Manganese Phosphate Nanoâ€polyhedrons for Enhanced Bifunctional Oxygen Electrocatalyst. ChemCatChem, 2020, 12, 2348-2355.	1.8	53

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19	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.	1.4	34
20	Effect of the cobalt and zinc ratio on the preparation of zeolitic imidazole frameworks (ZIFs): synthesis, characterization and supercapacitor applications. Dalton Transactions, 2019, 48, 14808-14819.	1.6	39
21	Multiscale honeycomb-structured activated carbon obtained from nitrogen-containing mandarin peel: high-performance supercapacitors with significant cycling stability. New Journal of Chemistry, 2019, 43, 3486-3492.	1.4	17
22	Metal-free multiporous carbon for electrochemical energy storage and electrocatalysis applications. New Journal of Chemistry, 2019, 43, 11653-11659.	1.4	31
23	Nickel self-doped iron oxide/manganese carbonate hierarchical 2D/3D structures for electrochemical energy storage. Electrochimica Acta, 2019, 297, 77-86.	2.6	20
24	Inhibition of Redox Behaviors in Hierarchically Structured Manganese Cobalt Phosphate Supercapacitor Performance by Surface Trivalent Cations. ACS Omega, 2018, 3, 1718-1725.	1.6	30
25	Revealing the Selfâ€Degradation Mechanisms in Methylammonium Lead Iodide Perovskites in Dark and Vacuum. ChemPhysChem, 2018, 19, 1507-1513.	1.0	56
26	Stabilization of cryptomelane Î±-MnO2 nanowires tunnels widths for enhanced electrochemical energy storage. Electrochimica Acta, 2018, 283, 1679-1688.	2.6	31