

Deviprasath Chinnadurai

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

755
citations

471477

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552766

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docs citations

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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 terephthalaldehyde 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 δ -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. <i>Journal of Energy Storage</i> , 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. <i>Journal of Alloys and Compounds</i> , 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. <i>Fuel</i> , 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. <i>Journal of Alloys and Compounds</i> , 2022, 891, 162011. | 5.5 | 12 |
| 23 | Impact of low temperature plasma annealing for flexible, transparent and conductive ITO/PEDOT:PSS composite electrode. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 423-429. | 5.8 | 11 |
| 24 | Modulating the Intrinsic Electrocatalytic Activity of Copper Sulfide by Silver Doping for Electrocatalytic Overall Water Splitting. <i>ChemElectroChem</i> , 2022, 9, . | 3.4 | 9 |
| 25 | 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 |
| 26 | 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 |