# Dhanya Puthusseri

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6508203/publications.pdf

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|---|---|---|---|
| 27<br>papers | 1,575<br>citations | 516710<br>16<br>h-index | 580821<br>25<br>g-index |
| 27<br>all docs | 27<br>docs citations | 27<br>times ranked | 2977<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 3D micro-porous conducting carbon beehive by single step polymer carbonization for high performance supercapacitors: the magic of in situ porogen formation. Energy and Environmental Science, 2014, 7, 728-735. | 30.8 | 348 |
| 2 | High and Reversible Lithium Ion Storage in Selfâ€Exfoliated Triazoleâ€Triformyl Phloroglucinolâ€Based Covalent Organic Nanosheets. Advanced Energy Materials, 2018, 8, 1702170. | 19.5 | 174 |
| 3 | Enhanced Capacitance Retention in a Supercapacitor Made of Carbon from Sugarcane Bagasse by Hydrothermal Pretreatment. Energy & Fuels, 2014, 28, 4233-4240. | 5.1 | 161 |
| 4 | MOF-derived crumpled-sheet-assembled perforated carbon cuboids as highly effective cathode active materials for ultra-high energy density Li-ion hybrid electrochemical capacitors (Li-HECs). Nanoscale, 2014, 6, 4387. | 5.6 | 159 |
| 5 | Hard Carbons for Sodiumâ€Ion Battery Anodes: Synthetic Strategies, Material Properties, and Storage Mechanisms. ChemSusChem, 2018, 11, 506-526. | 6.8 | 158 |
| 6 | Improving the energy density of Li-ion capacitors using polymer-derived porous carbons as cathode. Electrochimica Acta, 2014, 130, 766-770. | 5.2 | 74 |
| 7 | From Waste Paper Basket to Solid State and Liâ€HEC Ultracapacitor Electrodes: A Value Added Journey for Shredded Office Paper. Small, 2014, 10, 4395-4402. | 10.0 | 73 |
| 8 | Conversion-type Anode Materials for Alkali-Ion Batteries: State of the Art and Possible Research Directions. ACS Omega, 2018, 3, 4591-4601. | 3.5 | 67 |
| 9 | Low-dimensional hybrid perovskites as high performance anodes for alkali-ion batteries. Journal of Materials Chemistry A, 2017, 5, 18634-18642. | 10.3 | 64 |
| 10 | Nutty Carbon: Morphology Replicating Hard Carbon from Walnut Shell for Na Ion Battery Anode. ACS Omega, 2017, 2, 3601-3609. | 3.5 | 56 |
| 11 | Synthesis of an efficient heteroatom-doped carbon electro-catalyst for oxygen reduction reaction by pyrolysis of protein-rich pulse flour cooked with SiO2 nanoparticles. Physical Chemistry Chemical Physics, 2014, 16, 4251. | 2.8 | 45 |
| 12 | Probing the Thermal Safety of Li Metal Batteries. Journal of the Electrochemical Society, 2020, 167, 120513. | 2.9 | 31 |
| 13 | All-solid-state Li-metal batteries: role of blending PTFE with PEO and LiTFSI salt as a composite electrolyte with enhanced thermal stability. Sustainable Energy and Fuels, 2020, 4, 2229-2235. | 4.9 | 22 |
| 14 | Hausmannite Manganese oxide cathodes for supercapacitors: Surface Wettability and Electrochemical Properties. Electrochimica Acta, 2017, 231, 460-467. | 5.2 | 20 |
| 15 | F-Doped carbon nano-onion films as scaffold for highly efficient and stable Li metal anodes: a novel laser direct-write process. Nanoscale, 2018, 10, 7630-7638. | 5.6 | 20 |
| 16 | High capacity, power density and cycling stability of silicon Li-ion battery anodes with a few layer black phosphorus additive. Sustainable Energy and Fuels, 2019, 3, 245-250. | 4.9 | 18 |
| 17 | High surface area porous carbon for ultracapacitor application by pyrolysis of polystyrene containing pendant carboxylic acid groups prepared via click chemistry. Materials Today Communications, 2015, 4, 166-175. | 1.9 | 14 |
| 18 | Recent Advances in Understanding the Formation and Mitigation of Dendrites in Lithium Metal Batteries. Energy & Fuels, 2021, 35, 9187-9208. | 5.1 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | High Na<sup>+</sup> Mobility in rGO Wrapped High Aspect Ratio 1D SbSe Nano Structure Renders Better Electrochemical Na<sup>+</sup> Battery Performance. ChemPhysChem, 2020, 21, 814-820. | 2.1 | 13 |
| 20 | Aligned NiP2/CoP2 nanoneedle arrays obtained over carbon fiber paper by selective temperature control for efficient HER electrocatalysis. Materials Letters, 2020, 278, 128456. | 2.6 | 12 |
| 21 | Layered NaxCoO2-based cathodes for advanced Na-ion batteries: review on challenges and advancements. Ionics, 2021, 27, 4549-4572. | 2.4 | 11 |
| 22 | 3D Interconnected Porous Graphene Sheets Loaded with Cobalt Oxide Nanoparticles for Lithiumâ€ion Battery Anodes. Energy Technology, 2016, 4, 816-822. | 3.8 | 7 |
| 23 | Hard Carbon and Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub>-Based Physically Mixed Anodes for Superior Li-Battery Performance with Significantly Reduced Li Content: A Case of Synergistic Materials Cooperation. ACS Omega, 2017, 2, 8818-8824. | 3.5 | 7 |
| 24 | Single-Source Alkoxide Precursor Approach to Titanium Molybdate, TiMoO5, and Its Structure, Electrochemical Properties, and Potential as an Anode Material for Alkali Metal Ion Batteries. Inorganic Chemistry, 2021, 60, 3593-3603. | 4.0 | 4 |
| 25 | Thermal Safety Analysis of Disordered Li-Rich Rock salt Li<sub>1.3</sub>Mn<sub>0.4</sub>Nb<sub>0.3</sub>O<sub>2</sub> Cathode. ACS Applied Energy Materials, 2022, 5, 516-523. | 5.1 | 3 |
| 26 | Advanced Li Metal Batteries: Thermal Safety Evaluation, Analysis and Mechanistic Elucidation. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 27 | (Invited) Thermal Safety Aspects of Li-Metal Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 30-30. | 0.0 | 0 |