

# Yogesh Sharma

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Role of impurity phases present in orthorhombic-Li <sub>2</sub> MnSiO <sub>4</sub> towards the Li-reactivity and storage as LIB cathode. Applied Surface Science, 2022, 574, 151689.	6.1	7
2	Fabrication of ultra-thin, flexible, dendrite-free, robust and nanostructured solid electrolyte membranes for solid-state Li-batteries. Journal of Materials Chemistry A, 2022, 10, 12196-12212.	10.3	12
3	Designing the Binder-Free Conversion-Based Manganese Oxide Nanofibers as Highly Stable and Rate-Capable Anode for Next-Generation Li-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 6855-6868.	5.1	7
4	Fabrication of Binder-Free TiO <sub>2</sub> Nanofibers@Carbon Cloth for Flexible and Ultra-Stable Supercapacitor for Wearable Electronics. Advanced Electronic Materials, 2022, 8, .	5.1	3
5	Tailoring the morphology of orthorhombic Li <sub>2</sub> MnSiO <sub>4</sub> by carbon additive and its impact on transport and Li-storage properties. Journal of Power Sources, 2022, 542, 231630.	7.8	1
6	Tailoring the surface energy and area surface resistance of solid-electrolyte polymer membrane for dendrite free, high-performance, and safe solid-state Li-batteries. Journal of Power Sources, 2022, 541, 231690.	7.8	1
7	Pentafluoropyridine functionalized novel heteroatom-doped with hierarchical porous 3D cross-linked graphene for supercapacitor applications. RSC Advances, 2021, 11, 26892-26907.	3.6	8
8	Microstructural Tuning of Solid Electrolyte Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> by Polymer-Assisted Solution Synthesis Method and Its Effect on Ionic Conductivity and Dielectric Properties. ACS Applied Energy Materials, 2021, 4, 5475-5485.	5.1	23
9	Morphology and Oxygen Defects Mediated Improved Pseudocapacitive Li <sup>+</sup> Storage of Conversion-Based Lithium Iron Oxide. Energy & Fuels, 2021, 35, 12637-12652.	5.1	6
10	Recent progress and future perspectives for the development of micro-supercapacitors for portable/wearable electronics applications. JPhys Energy, 2021, 3, 032017.	5.3	18
11	Controlled generation and tuning the oxygen defects in nanofibers of Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> toward high and stable Li-ion battery anode. Applied Surface Science, 2021, 560, 150055.	6.1	18
12	Toward the Origin of Magnetic Field-Dependent Storage Properties: A Case Study on the Supercapacitive Performance of FeCo <sub>2</sub> O <sub>4</sub> Nanofibers. ACS Applied Materials & Interfaces, 2020, 12, 49530-49540.	8.0	20
13	Revealing the Effect of Oxygen Defects and Morphology on Li-Storage Performance of Calcium Iron Oxide. Journal of the Electrochemical Society, 2020, 167, 110526.	2.9	13
14	Role of Oxygen Deficiency and Microstructural Voids/Gaps in Nanostructures of Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> as an Anode Toward Next-Generation High-Performance Li-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 6360-6373.	5.1	18
15	Facile and One-Step in Situ Synthesis of Pure Phase Mesoporous Li <sub>2</sub> MnSiO <sub>4</sub> /CNTs Nanocomposite for Hybrid Supercapacitors. ACS Applied Energy Materials, 2020, 3, 2450-2464.	5.1	30
16	Incorporation of Alloy-de-Alloy Phase with Conversion Based Manganese Oxide to Enable High and Stable Capacity and Density Functional Theory Study of CdMn <sub>2</sub> O <sub>4</sub> . Journal of the Electrochemical Society, 2018, 165, A1610-A1620.	2.9	4