

# Arghya Patra

## List of Publications by Year in descending order

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21  
papers

460  
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840776

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1058476

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22  
docs citations

22  
times ranked

489  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for Approaching One Hundred Percent Dense Lithium-Ion Battery Cathodes. ECS Meeting Abstracts, 2022, MA2022-01, 269-269.	0.0	0
2	Hybrid Halide Solid Electrolytes and Bottom-up Cell Assembly Enable High Voltage Solid-State Lithium Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 327-327.	0.0	0
3	Electrochemically Grown Energy and Power Dense Cathodes for Li and Na Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 11-11.	0.0	0
4	Electrodeposition of atmosphere-sensitive ternary sodium transition metal oxide films for sodium-based electrochemical energy storage. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
5	Revealing the role of the cathodeâ€œelectrolyte interface on solid-state batteries. Nature Materials, 2021, 20, 1392-1400.	27.5	106
6	A Nearly Packagingâ€œFree Design Paradigm for Light, Powerful, and Energyâ€œDense Primary Microbatteries. Advanced Materials, 2021, 33, e2101760.	21.0	17
7	A Nearly Packagingâ€œFree Design Paradigm for Light, Powerful, and Energyâ€œDense Primary Microbatteries (Adv. Mater. 35/2021). Advanced Materials, 2021, 33, 2170275.	21.0	0
8	Electrochemically Grown Crystallographically Controlled Energy and Power Dense Cathodes for Li and Na Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 27-27.	0.0	0
9	Revealing the Role of the Cathode Electrolyte Interface on Solid-State Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 260-260.	0.0	62
10	Electrochemically Grown Sodium Transition Metal Oxides Na <sub>x</sub> MO <sub>2</sub> (M=Co, Ni, Mn) with High Energy Density and Long Cycle Life. ACS Applied Materials, 2021, 9, 15111-15118.	0.0	0
11	Elucidating Interfacial Stability Issues Via Crystallographically Controlled Interface of a Dense Bulk Cathode and Solid Electrolyte. ECS Meeting Abstracts, 2020, MA2020-02, 1021-1021.	0.0	0
12	Effects of Particle Size on Mg <sup>2+</sup> Ion Intercalation into $\sqrt{3}\times\sqrt{3}$ -MnO <sub>2</sub> Cathode Materials. Nano Letters, 2019, 19, 4712-4720.	9.1	41
13	Reversible Conversion Reactions and Small First Cycle Irreversible Capacity Loss in Metal Sulfideâ€œBased Electrodes Enabled by Solid Electrolytes. Advanced Functional Materials, 2019, 29, 1901719.	14.9	21
14	Graphene and reduced graphene oxide based microporous layers for high-performance proton-exchange membrane fuel cells under varied humidity operation. Journal of Power Sources, 2019, 423, 192-202.	7.8	30
15	Melt impregnation as a post processing treatment for performance enhancement in high capacity 3D microporous tin-copper-nickel intermetallic anode for Li-ion battery supported by electrodeposited nickel scaffold: A structural study. Applied Surface Science, 2018, 441, 965-977.	6.1	10
16	A Study on the Effect of Electrodeposition Parameters on the Morphology of Porous Nickel Electrodeposits. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 920-937.	2.2	27
17	Novel bilayer Zn Ni/Ni Co SiC nanocomposite coating with exceptional corrosion and wear properties by pulse electrodeposition. Journal of Alloys and Compounds, 2018, 738, 394-404.	5.5	39
18	Sandwich architecture of Sn SnSb alloy nanoparticles and N-doped reduced graphene oxide sheets as a high rate capability anode for lithium-ion batteries. Journal of Power Sources, 2018, 401, 165-174.	7.8	26

#	ARTICLE	IF	CITATIONS
19	A Novel Multiphase Sn-Sb-Cu Alloy Electrodeposited on 3D Interconnected Microporous Cu Current Collector as Negative Electrode for Lithium Ion Battery. Metallurgical and Materials Transactions E, 2017, 4, 51-59.	0.5	2
20	3D microporous Sn-Sb-Ni alloy impregnated Ni foam as high-performance negative electrode for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 705, 290-300.	5.5	37
21	Synergistic effect of peak current density and nature of surfactant on microstructure, mechanical and electrochemical properties of pulsed electrodeposited Ni-Co-SiC nanocomposites. Journal of Alloys and Compounds, 2017, 729, 1093-1107.	5.5	33