Arghya Patra

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9042624/publications.pdf

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21	460	840776 11	1058476 14
papers	citations	h-index	g-index

22	22	22	489
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revealing the role of the cathodeâ€“electrolyte interface on solid-state batteries. Nature Materials, 2021, 20, 1392-1400.	27.5	106
2	Revealing the Role of the Cathode Electrolyte Interface on Solid-State Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 260-260.	0.0	62
3	Effects of Particle Size on Mg²⁺ Ion Intercalation into Î»-MnO₂ Cathode Materials. Nano Letters, 2019, 19, 4712-4720.	9.1	41
4	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
5	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
6	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
7	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
8	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
9	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
10	Reversible Conversion Reactions and Small First Cycle Irreversible Capacity Loss in Metal Sulfideâ€Based Electrodes Enabled by Solid Electrolytes. Advanced Functional Materials, 2019, 29, 1901719.	14.9	21
11	A Nearly Packagingâ€Free Design Paradigm for Light, Powerful, and Energyâ€Dense Primary Microbatteries. Advanced Materials, 2021, 33, e2101760.	21.0	17
12	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
13	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
14	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
15	Electrochemically Grown Energy and Power Dense Cathodes for Li and Na Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 11-11.	0.0	0
16	A Nearly Packagingâ€Free Design Paradigm for Light, Powerful, and Energyâ€Dense Primary Microbatteries (Adv. Mater. 35/2021). Advanced Materials, 2021, 33, 2170275.	21.0	0
17	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
18	Electrochemically Grown Sodium Transition Metal Oxides Na_xMO₂(M=Co,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.0	0

#	Article	IF	Citations
19	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
20	Strategies for Approaching One Hundred Percent Dense Lithium-Ion Battery Cathodes. ECS Meeting Abstracts, 2022, MA2022-01, 269-269.	0.0	0
21	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