Seongki Ahn

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3708883/publications.pdf

Version: 2024-02-01

24 papers	291 citations	1040056 9 h-index	888059 17 g-index
24 all docs	24 docs citations	24 times ranked	447 citing authors

#	Article	IF	Citations
1	Recent advances in nanomaterials for high-performance Liâ€“S batteries. Journal of Energy Chemistry, 2020, 47, 86-106.	12.9	62
2	On-site chemical pre-lithiation of S cathode at room temperature on a 3D nano-structured current collector. Journal of Power Sources, 2017, 366, 65-71.	7.8	50
3	New approach for enhancing electrical conductivity of electrodeposited Si-based anode material for Li secondary batteries: Self-incorporation of nano Cu metal in Siâ€“Oâ€“C composite. Nano Energy, 2016, 28, 51-62.	16.0	38
4	Electrophoretically deposited carbon nanotube anchor layer to improve areal capacity of Si-O-C composite anode for lithium secondary batteries. Journal of Power Sources, 2016, 336, 203-211.	7.8	15
5	Synthesis of Stacked Graphene-Sn Composite as a High-Performance Anode for Lithium-Ion Capacitors. Journal of the Electrochemical Society, 2020, 167, 040519.	2.9	14
6	Facile fabrication of sulfur/Ketjenblack-PEDOT:PSS composite as a cathode with improved cycling performance for lithium sulfur batteries. Chemical Physics Letters, 2020, 749, 137426.	2.6	13
7	Electrochemical Properties of Heated Carbon Nanofibers for Lithium Ion Capacitor. Chemistry Letters, 2014, 43, 898-900.	1.3	12
8	Application of Sn-Ni Alloy as an Anode for Lithium-Ion Capacitors with Improved Volumetric Energy and Power Density. Journal of the Electrochemical Society, 2019, 166, A3615-A3619.	2.9	11
9	Fabrication of powdered Si-O-C composite by electrodeposition harvesting method as a long-cycle-life anode material for lithium-ion batteries. Materials Letters, 2019, 251, 184-187.	2.6	9
10	High-rate and high sulfur-loaded lithium-sulfur batteries with a polypyrrole-coated sulfur cathode on a 3D aluminum foam current collector. Materials Letters, 2021, 285, 129115.	2.6	9
11	Effect of enhanced structural stability of Si-O-C anode by carbon nanotubes for lithium-ion battery. Materials Letters, 2019, 245, 200-203.	2.6	8
12	Effect of fluoroethylene carbonate and vinylene carbonate additives on full-cell optimization of Li-ion capacitors. Electrochemistry Communications, 2021, 122, 106905.	4.7	8
13	Development of Areal Capacity of Si-O-C Composites as Anode for Lithium Secondary Batteries Using 3D-Structured Carbon Paper as a Current Collector. Journal of the Electrochemical Society, 2017, 164, A355-A359.	2.9	7
14	Polypyrrole Modification of High Sulfur-Loaded Three-Dimensional Aluminum Foam Cathode in Lithiumâ€“Sulfur Batteries for High-Rate Capability. Journal of the Electrochemical Society, 2021, 168, 040517.	2.9	6
15	AlCl₃-graphite intercalation compounds as negative electrode materials for lithium-ion capacitors. Journal of Materials Chemistry A, 2021, 9, 27459-27467.	10.3	6
16	Tin addition for mechanical and electronic improvement of electrodeposited Siâ€“Oâ€“C composite anode for lithium-ion battery. Journal of Power Sources, 2019, 437, 226858.	7.8	5
17	Communicationâ€”Cross-Linked Anionic Polymer Coating Prepared by UV and Thermal Curing for Long-Life Lithium-Sulfur Battery. Journal of the Electrochemical Society, 2021, 168, 110552.	2.9	4
18	Synthesis of a Spherical Carbon-TiO2 Composite as Electrode Material for Capacitive Deionization. International Journal of Electrochemical Science, 2019, 14, 4683-4692.	1.3	3

#	Article	IF	Citations
19	Effect of Mass Balancing on Cell Performance and Electrochemical Investigation of Snâ€“Ni Alloy as Anode for Li-Ion Capacitors. Journal of the Electrochemical Society, 2020, 167, 130512.	2.9	3
20	Synthesis of Li Conductive Polymer Layer on 3D Structured S Cathode by Photo-Polymerization for Liâ€“S Batteries. Journal of the Electrochemical Society, 2022, 169, 030546.	2.9	3
21	Electrodeposited SiË—OË—C as a High-Rate Performance Anode for LiË—ion Capacitor. Journal of the Electrochemical Society, 2019, 166, A2683-A2688.	2.9	2
22	Influence of Li-salts on Cycle Durability of Sn-Ni Alloy Anode for Lithium-ion Capacitor. Electrochemistry, 2020, 88, 74-78.	1.4	2
23	Electrochemical characteristics of Li-In/Cu anode for dendrite-free Lithium-ion batteries. Materials Letters, 2021, 297, 129994.	2.6	1
24	Electrochemically Deposited Siâ€“Oâ€“C Anode. , 2021, , 333-345.		0