

# Silicon based lithium-ion battery anodes: A chronicle pe

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Porous sphere-like LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> -CeO <sub>2</sub> composite with high cycling stability as cathode material for lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2017, 703, 103-113.	2.8	47
2	Nanofluids effects on the evaporation rate in a solar still equipped with a heat exchanger. <i>Nano Energy</i> , 2017, 36, 134-155.	8.2	326
3	Silicon/graphene/carbon hierarchical structure nanofibers for high performance lithium ion batteries. <i>Materials Letters</i> , 2017, 200, 128-131.	1.3	17
4	A high-performance Li-ion anode from direct deposition of Si nanoparticles. <i>Nano Energy</i> , 2017, 38, 477-485.	8.2	67
5	Nanostructured Na-ion and Li-ion anodes for battery application: A comparative overview. <i>Nano Research</i> , 2017, 10, 3942-3969.	5.8	88
6	One-pot ball-milling synthesis of a Ni-Ti-Si based composite as anode material for Li-ion batteries. <i>Electrochimica Acta</i> , 2017, 245, 497-504.	2.6	21
7	Self-Templating Construction of 3D Hierarchical Macro-/Mesoporous Silicon from OD Silica Nanoparticles. <i>ACS Nano</i> , 2017, 11, 889-899.	7.3	100
8	Room-Temperature Solution Synthesis of Mesoporous Silicon for Lithium Ion Battery Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40386-40393.	4.0	41
9	High performance carbon-coated hollow Ni <sub>12</sub> P <sub>5</sub> nanocrystals decorated on GNS as advanced anodes for lithium and sodium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22316-22324.	5.2	65
10	Urchin-like V <sub>2</sub> O <sub>3</sub> /C Hollow Nanosphere Hybrid for High-Capacity and Long-Cycle-Life Lithium Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11238-11245.	3.2	39
11	All-in-one Nanomat Lithium-ion Batteries: A New Cell Architecture Platform for Ultrahigh Energy Density and Mechanical Flexibility. <i>Advanced Energy Materials</i> , 2017, 7, 1701099.	10.2	34
12	A sustainable route from fly ash to silicon nanorods for high performance lithium ion batteries. <i>Chemical Engineering Journal</i> , 2017, 330, 1052-1059.	6.6	47
13	Thermal issues about Li-ion batteries and recent progress in battery thermal management systems: A review. <i>Energy Conversion and Management</i> , 2017, 150, 304-330.	4.4	786
14	Self-supported Zn/Si core-shell arrays as advanced electrodes for lithium ion batteries. <i>Materials Research Bulletin</i> , 2017, 95, 414-418.	2.7	4
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16	Effects of the Formulations of Silicon-based Composite Anodes on their Mechanical, Storage, and Electrochemical Properties. <i>ChemSusChem</i> , 2017, 10, 4080-4089.	3.6	12
17	Novel Approach for in Situ Recovery of Lithium Carbonate from Spent Lithium Ion Batteries Using Vacuum Metallurgy. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11960-11966.	4.6	284
18	Confronting Issues of the Practical Implementation of Si Anode in High-Energy Lithium-Ion Batteries. <i>Joule</i> , 2017, 1, 47-60.	11.7	329

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27	Colloidal Synthesis of Silicon-Carbon Composite Material for Lithium-Ion Batteries. Angewandte Chemie - International Edition, 2017, 56, 10780-10785.	7.2	94
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