

Self-healing SEI enables full-cell cycling of a silicon-majority anode with
efficiency exceeding 99.9%

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis of porous Si/graphite/carbon nanotubes@C composites as a practical high-capacity anode for lithium-ion batteries. <i>Materials Letters</i> , 2017, 199, 84-87.	1.3	40
2	Metal organic frameworks with immobilized nanoparticles: Synthesis and applications in photocatalytic hydrogen generation and energy storage. <i>Materials Research Bulletin</i> , 2017, 96, 385-394.	2.7	50
3	Amorphous titanium oxide passivated lithium titanium phosphate electrode for high stable aqueous lithium ion batteries with oxygen tolerance. <i>Electrochimica Acta</i> , 2017, 246, 720-729.	2.6	23
4	Oxide Film Efficiently Suppresses Dendrite Growth in Aluminum-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22628-22634.	4.0	106
5	A Rechargeable Li ² CO ₂ Battery with a Gel Polymer Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9126-9130.	7.2	154
6	A Rechargeable Li ² CO ₂ Battery with a Gel Polymer Electrolyte. <i>Angewandte Chemie</i> , 2017, 129, 9254-9258.	1.6	22
7	Si alloy/graphite coating design as anode for Li-ion batteries with high volumetric energy density. <i>Electrochimica Acta</i> , 2017, 254, 123-129.	2.6	12
8	Advances in Structure and Property Optimizations of Battery Electrode Materials. <i>Joule</i> , 2017, 1, 522-547.	11.7	219
9	Recent progress of analysis techniques for silicon-based anode of lithium-ion batteries. <i>Current Opinion in Electrochemistry</i> , 2017, 6, 77-83.	2.5	16
10	Artificial interphase engineering of electrode materials to improve the overall performance of lithium-ion batteries. <i>Nano Research</i> , 2017, 10, 4115-4138.	5.8	43
11	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
12	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
13	Challenges and Recent Progress in the Development of Si Anodes for Lithium-Ion Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1700715.	10.2	709
14	Electrochemically anodized porous silicon: Towards simple and affordable anode material for Li-ion batteries. <i>Scientific Reports</i> , 2017, 7, 7880.	1.6	48
15	A high-performance sodium-ion battery enhanced by macadamia shell derived hard carbon anode. <i>Nano Energy</i> , 2017, 39, 489-498.	8.2	172
16	Facile synthesis of carbon-mediated porous nanocrystallite anatase TiO ₂ for improved sodium insertion capabilities as an anode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2017, 362, 283-290.	4.0	27
17	Nitrogen-Doped Carbon for Sodium-Ion Battery Anode by Self-Etching and Graphitization of Bimetallic MOF-Based Composite. <i>Chem</i> , 2017, 3, 152-163.	5.8	228
18	Designed construction of yolk-shell structured trimanganese tetraoxide nanospheres via polar solvent-assisted etching and biomass-derived activated porous carbon materials for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15808-15821.	5.2	57

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20	Air-Stable Porous Fe ₂ N Encapsulated in Carbon Microboxes with High Volumetric Lithium Storage Capacity and a Long Cycle Life. Nano Letters, 2017, 17, 5740-5746.	4.5	132
21	Rigid Polyimide Buffering Layer Enabling Silicon Nanoparticles Prolonged Cycling Life for Lithium Storage. ACS Applied Energy Materials, 2018, 1, 948-955.	2.5	12
22	Horsetail-derived Si@N-doped carbon as low-cost and long cycle life anode for Li-ion half/full cells. Electrochimica Acta, 2018, 264, 173-182.	2.6	61
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27	Evolving affinity between Coulombic reversibility and hysteretic phase transformations in nano-structured silicon-based lithium-ion batteries. Nature Communications, 2018, 9, 479.	5.8	73
28	Milled flake graphite/plasma nano-silicon@carbon composite with void sandwich structure for high performance as lithium ion battery anode at high temperature. Carbon, 2018, 130, 433-440.	5.4	114
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38	Li7P3S11 solid electrolyte coating silicon for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 276, 325-332.	2.6	18
39	Rigid TiO ₂ coated mesoporous hollow Si nanospheres with high structure stability for lithium-ion battery anodes. <i>RSC Advances</i> , 2018, 8, 15094-15101.	1.7	10
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47	Porous Si@C ball-in-ball hollow spheres for lithium-ion capacitors with improved energy and power densities. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21098-21103.	5.2	52
48	Surface Gradient Ti-Doped MnO ₂ Nanowires for High-Rate and Long-Life Lithium Battery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44376-44384.	4.0	41
49	Aligning academia and industry for unified battery performance metrics. <i>Nature Communications</i> , 2018, 9, 5262.	5.8	244
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110	Necklace-like Si@C nanofibers as robust anode materials for high performance lithium ion batteries. Science Bulletin, 2019, 64, 261-269.	4.3	63
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#	ARTICLE	IF	CITATIONS
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