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List of Publications by Year in descending order

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15
papers

1,240
citations

687220

13
h-index

996849

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all docs

15
docs citations

15
times ranked

2182
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Contained Fragmentation and Interfacial Stability in Crude Micron-Silicon Anodes. Journal of the Electrochemical Society, 2018, 165, A244-A250.	1.3	10
2	In Situ Engineering of the Electrode-Electrolyte Interface for Stabilized Overlithiated Cathodes. Advanced Materials, 2017, 29, 1604549.	11.1	26
3	Optimized Silicon Electrode Architecture, Interface, and Microgeometry for Next-Generation Lithium-Ion Batteries. Advanced Materials, 2016, 28, 188-193.	11.1	37
4	Cross-linked aluminum dioxybenzene coating for stabilization of silicon electrodes. Nano Energy, 2016, 22, 202-210.	8.2	30
5	Stable silicon-ionic liquid interface for next-generation lithium-ion batteries. Nature Communications, 2015, 6, 6230.	5.8	212
6	Mitigating irreversible capacity losses from carbon agents via surface modification. Journal of Power Sources, 2015, 275, 605-611.	4.0	14
7	Surface-Coating Regulated Lithiation Kinetics and Degradation in Silicon Nanowires for Lithium Ion Battery. ACS Nano, 2015, 9, 5559-5566.	7.3	118
8	Doped Si nanoparticles with conformal carbon coating and cyclized-polyacrylonitrile network as high-capacity and high-rate lithium-ion battery anodes. Nanotechnology, 2015, 26, 365401.	1.3	9
9	<i>In Situ</i> Transmission Electron Microscopy Probing of Native Oxide and Artificial Layers on Silicon Nanoparticles for Lithium Ion Batteries. ACS Nano, 2014, 8, 11816-11823.	7.3	99
10	Reversible High-Capacity Si Nanocomposite Anodes for Lithium-Ion Batteries Enabled by Molecular Layer Deposition. Advanced Materials, 2014, 26, 1596-1601.	11.1	169
11	A Stabilized PAN-FeS ₂ Cathode with an EC/DEC Liquid Electrolyte. Advanced Energy Materials, 2014, 4, 1300961.	10.2	100
12	Ionic Liquid Enabled FeS ₂ for High-Energy-Density Lithium-Ion Batteries. Advanced Materials, 2014, 26, 7386-7392.	11.1	116
13	Hierarchical Porous Framework of Si-Based Electrodes for Minimal Volumetric Expansion. Advanced Materials, 2014, 26, 3520-3525.	11.1	47
14	Conformal Coatings of Cyclized-PAN for Mechanically Resilient Si nano-Composite Anodes. Advanced Energy Materials, 2013, 3, 697-702.	10.2	134
15	Effect of Compressive Stress on Electrochemical Performance of Silicon Anodes. Journal of the Electrochemical Society, 2013, 160, A77-A81.	1.3	119