

Naoki Nitta

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

7,160
citations

567281

15
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

10333
citing authors

#	ARTICLE	IF	CITATIONS
1	Li-ion battery materials: present and future. <i>Materials Today</i> , 2015, 18, 252-264.	14.2	5,353
2	High-Capacity Anode Materials for Lithium-Ion Batteries: Choice of Elements and Structures for Active Particles. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 317-336.	2.3	583
3	Lithium Iodide as a Promising Electrolyte Additive for Lithium-Sulfur Batteries: Mechanisms of Performance Enhancement. <i>Advanced Materials</i> , 2015, 27, 101-108.	21.0	304
4	In Situ Formation of Protective Coatings on Sulfur Cathodes in Lithium Batteries with LiFSI-Based Organic Electrolytes. <i>Advanced Energy Materials</i> , 2015, 5, 1401792.	19.5	189
5	A Hierarchical Particle-Shell Architecture for Long-Term Cycle Stability of Li ₂ S Cathodes. <i>Advanced Materials</i> , 2015, 27, 5579-5586.	21.0	111
6	Lithographically Patterned Thin Activated Carbon Films as a New Technology Platform for On-Chip Devices. <i>ACS Nano</i> , 2013, 7, 6498-6506.	14.6	90
7	<i>In Situ</i> Small Angle Neutron Scattering Revealing Ion Sorption in Microporous Carbon Electrical Double Layer Capacitors. <i>ACS Nano</i> , 2014, 8, 2495-2503.	14.6	89
8	Carbon Nanotube-CoF ₂ Multifunctional Cathode for Lithium Ion Batteries: Effect of Electrolyte on Cycle Stability. <i>Small</i> , 2015, 11, 5164-5173.	10.0	80
9	Degradation and stabilization of lithium cobalt oxide in aqueous electrolytes. <i>Energy and Environmental Science</i> , 2016, 9, 1841-1848.	30.8	80
10	Comparative study of the solid electrolyte interphase on graphite in full Li-ion battery cells using X-ray photoelectron spectroscopy, secondary ion mass spectrometry, and electron microscopy. <i>Carbon</i> , 2013, 52, 388-397.	10.3	75
11	Lithium-Iron Fluoride Battery with In Situ Surface Protection. <i>Advanced Functional Materials</i> , 2016, 26, 1507-1516.	14.9	73
12	Influence of Binders, Carbons, and Solvents on the Stability of Phosphorus Anodes for Li-ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25991-26001.	8.0	41
13	Enhancing Cycle Stability of Lithium Iron Phosphate in Aqueous Electrolytes by Increasing Electrolyte Molarity. <i>Advanced Energy Materials</i> , 2016, 6, 1501805.	19.5	37
14	Stabilization of selenium cathodes via in situ formation of protective solid electrolyte layer. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18898-18905.	10.3	32
15	Toward a Long-Chain Perfluoroalkyl Replacement: Water and Oil Repellency of Polyethylene Terephthalate (PET) Films Modified with Perfluoropolyether-Based Polyesters. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24318-24330.	8.0	19
16	Nanostructured composites for high energy batteries and supercapacitors. , 2015, , .		2
17	Lithium Sulfide Cathodes: A Hierarchical Particle-Shell Architecture for Long-Term Cycle Stability of Li ₂ S Cathodes (<i>Adv. Mater.</i> 37/2015). <i>Advanced Materials</i> , 2015, 27, 5578-5578.	21.0	1
18	Conversion Cathodes: Lithium-Iron Fluoride Battery with In Situ Surface Protection (<i>Adv. Funct.</i>) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	14.9	1