

Xiaoyi Zhu

List of Publications by Year in descending order

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16
papers

778
citations

687363

13
h-index

940533

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16
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docs citations

16
times ranked

1330
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance, flexible, binder-free silicon-carbon anode for lithium storage applications. <i>Electrochemistry Communications</i> , 2022, 137, 107257.	4.7	10
2	Flexible Porous Silicon/Carbon Fiber Anode for High-Performance Lithium-Ion Batteries. <i>Materials</i> , 2022, 15, 3190.	2.9	3
3	Flexible Carbon Nanotubes Confined Yolk-Shelled Silicon-Based Anode with Superior Conductivity for Lithium Storage. <i>Nanomaterials</i> , 2021, 11, 699.	4.1	16
4	The Positive Effect of ZnS in Waste Tire Carbon as Anode for Lithium-Ion Batteries. <i>Materials</i> , 2021, 14, 2178.	2.9	7
5	Low-cost urchin-like silicon-based anode with superior conductivity for lithium storage applications. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 150-157.	9.4	20
6	Facile and Scalable Approach To Fabricate Granadilla-like Porous-Structured Silicon-Based Anode for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34283-34290.	8.0	70
7	CoFe ₂ O ₄ /carbon nanotube aerogels as high performance anodes for lithium ion batteries. <i>Green Energy and Environment</i> , 2017, 2, 160-167.	8.7	39
8	Nanoscale engineering of nitrogen-doped carbon nanofiber aerogels for enhanced lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8247-8254.	10.3	114
9	Synthesis of Co/Co ₃ O ₄ nanoparticles embedded in porous carbon nanofibers for high performance lithium-ion battery anodes. <i>Journal of Porous Materials</i> , 2017, 24, 551-557.	2.6	24
10	New Approach to Create TiO ₂ (B)/Carbon Core/Shell Nanotubes: Ideal Structure for Enhanced Lithium Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18815-18821.	8.0	37
11	Simple synthesis of MoO ₂ /carbon aerogel anodes for high performance lithium ion batteries from seaweed biomass. <i>RSC Advances</i> , 2016, 6, 106230-106236.	3.6	26
12	Seaweed-Derived Route to Fe ₂ O ₃ Hollow Nanoparticles/N-Doped Graphene Aerogels with High Lithium Ion Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7047-7053.	8.0	179
13	Nanostructured Si-Based Anodes for Lithium-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 15-30.	0.9	23
14	Co ₃ O ₄ nanoparticle embedded carbonaceous fibres: a nanoconfinement effect on enhanced lithium-ion storage. <i>Chemical Communications</i> , 2015, 51, 16267-16270.	4.1	32
15	Simple pyrolysis of cobalt alginate fibres into Co ₃ O ₄ /C nano/microstructures for a high-performance lithium ion battery anode. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18761-18766.	10.3	106
16	Growth of silicon/carbon microrods on graphite microspheres as improved anodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4483.	10.3	72