Xiaoyi Zhu

List of Publications by Year
in descending order

16	778	687363 13	940533 16
papers	citations	h-index	g-index

16	16	16	1330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seaweed-Derived Route to Fe₂O₃ Hollow Nanoparticles/N-Doped Graphene Aerogels with High Lithium Ion Storage Performance. ACS Applied Materials & Interfaces, 2016, 8, 7047-7053.	8.0	179
2	Nanoscale engineering of nitrogen-doped carbon nanofiber aerogels for enhanced lithium ion storage. Journal of Materials Chemistry A, 2017, 5, 8247-8254.	10.3	114
3	Simple pyrolysis of cobalt alginate fibres into Co₃O₄/C nano/microstructures for a high-performance lithium ion battery anode. Journal of Materials Chemistry A, 2014, 2, 18761-18766.	10.3	106
4	Growth of silicon/carbon microrods on graphite microspheres as improved anodes for lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 4483.	10.3	72
5	Facile and Scalable Approach To Fabricate Granadilla-like Porous-Structured Silicon-Based Anode for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 34283-34290.	8.0	70
6	CoFe2O4/carbon nanotube aerogels as high performance anodes for lithium ion batteries. Green Energy and Environment, 2017, 2, 160-167.	8.7	39
7	New Approach to Create TiO₂(B)/Carbon Core/Shell Nanotubes: Ideal Structure for Enhanced Lithium Ion Storage. ACS Applied Materials & Interfaces, 2016, 8, 18815-18821.	8.0	37
8	Co3O4nanoparticle embedded carbonaceous fibres: a nanoconfinement effect on enhanced lithium-ion storage. Chemical Communications, 2015, 51, 16267-16270.	4.1	32
9	Simple synthesis of MoO₂/carbon aerogel anodes for high performance lithium ion batteries from seaweed biomass. RSC Advances, 2016, 6, 106230-106236.	3.6	26
10	Synthesis of Co/Co3O4 nanoparticles embedded in porous carbon nanofibers for high performance lithium-ion battery anodes. Journal of Porous Materials, 2017, 24, 551-557.	2.6	24
11	Nanostructured Si-Based Anodes for Lithium-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2015, 15, 15-30.	0.9	23
12	Low-cost urchin-like silicon-based anode with superior conductivity for lithium storage applications. Journal of Colloid and Interface Science, 2020, 575, 150-157.	9.4	20
13	Flexible Carbon Nanotubes Confined Yolk-Shelled Silicon-Based Anode with Superior Conductivity for Lithium Storage. Nanomaterials, 2021, 11, 699.	4.1	16
14	High-performance, flexible, binder-free siliconâ€“carbon anode for lithium storage applications. Electrochemistry Communications, 2022, 137, 107257.	4.7	10
15	The Positive Effect of ZnS in Waste Tire Carbon as Anode for Lithium-Ion Batteries. Materials, 2021, 14, 2178.	2.9	7
16	Flexible Porous Silicon/Carbon Fiber Anode for Highâ”Performance Lithiumâ”Ion Batteries. Materials, 2022, 15, 3190.	2.9	3