

Kazi Ahmed

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

919
citations

13
h-index

18
g-index

18
ext. papers

1,010
ext. citations

5.1
avg, IF

3.77
L-index

#	Paper	IF	Citations
18	High-Potential Metalless Nanocarbon Foam Supercapacitors Operating in Aqueous Electrolyte. <i>Small</i> , 2018 , 14, e1702444	11	9
17	Adoption of thermal behavior as an indicator for enhancement of the EIS analysis for NCR 18650B Commercial Lithium-ion batteries system. <i>MRS Advances</i> , 2018 , 3, 3155-3162	0.7	2
16	Silicon Derived from Glass Bottles as Anode Materials for Lithium Ion Full Cell Batteries. <i>Scientific Reports</i> , 2017 , 7, 917	4.9	41
15	Silicon/polypyrrole nanocomposite wrapped with graphene for lithium ion anodes. <i>MRS Advances</i> , 2017 , 2, 3323-3327	0.7	1
14	Kinetics and electrochemical evolution of binary silicon/polymer systems for lithium ion batteries. <i>RSC Advances</i> , 2017 , 7, 36541-36549	3.7	18
13	Advanced Sulfur-Silicon Full Cell Architecture for Lithium Ion Batteries. <i>Scientific Reports</i> , 2017 , 7, 17264	4.9	14
12	A Study of Diffusion in Lithium-ion Electrodes Under Fast Charging Using Electrochemical Impedance Spectroscopy. <i>MRS Advances</i> , 2017 , 2, 3309-3315	0.7	2
11	Characterization of Thermal Behavior of Commercial NCR 18650B Batteries under Varying Cycling Conditions. <i>MRS Advances</i> , 2017 , 2, 3329-3334	0.7	3
10	High energy and power density LiO ₂ battery cathodes based on amorphous RuO ₂ loaded carbon free and binderless nickel nanofoam architectures. <i>RSC Advances</i> , 2016 , 6, 81712-81718	3.7	18
9	Template Free and Binderless NiO Nanowire Foam for Li-ion Battery Anodes with Long Cycle Life and Ultrahigh Rate Capability. <i>Scientific Reports</i> , 2016 , 6, 29183	4.9	50
8	Carbon-Coated, Diatomite-Derived Nanosilicon as a High Rate Capable Li-ion Battery Anode. <i>Scientific Reports</i> , 2016 , 6, 33050	4.9	38
7	Scalable, Binderless, and Carbonless Hierarchical Ni Nanodendrite Foam Decorated with Hydrous Ruthenium Dioxide for 1.6 V Symmetric Supercapacitors. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500503	4.6	20
6	Towards flexible binderless anodes: silicon/carbon fabrics via double-nozzle electrospinning. <i>Chemical Communications</i> , 2016 , 52, 11398-11401	5.8	42
5	Free-standing Ni/NiO nanofiber cloth anode for high capacity and high rate Li-ion batteries. <i>Nano Energy</i> , 2015 , 18, 47-56	17.1	46
4	Towards scalable binderless electrodes: carbon coated silicon nanofiber paper via Mg reduction of electrospun SiO ₂ nanofibers. <i>Scientific Reports</i> , 2015 , 5, 8246	4.9	55
3	Hydrous ruthenium oxide nanoparticles anchored to graphene and carbon nanotube hybrid foam for supercapacitors. <i>Scientific Reports</i> , 2014 , 4, 4452	4.9	356
2	Scalable synthesis of nano-silicon from beach sand for long cycle life Li-ion batteries. <i>Scientific Reports</i> , 2014 , 4, 5623	4.9	145

1 Silicon decorated cone shaped carbon nanotube clusters for lithium ion battery anodes. *Small*, **2014**, 10, 3389-96 11 59