M Mokhlesur Rahman

List of Publications by Year in Descending Order

22 papers	1,359 citations	16 h-index	22 g-index
22 ext. papers	1,521 ext. citations	8.6 avg, IF	4.89 L-index

#	Paper	IF	Citations
22	End-of-Life Photovoltaic Recycled Silicon: A Sustainable Circular Materials Source for Electronic Industries. *Advanced Energy and Sustainability Research*, **2021**, 2, 2100081	1.6	1
21	Strategies, design and synthesis of advanced nanostructured electrodes for rechargeable batteries. *Materials Chemistry Frontiers*, **2021**, 5, 5897-5931	7.8	4
20	production of a two-dimensional molybdenum disulfide/graphene hybrid nanosheet anode for lithium-ion batteries.. *RSC Advances*, **2020**, 10, 12754-12758	3.7	6
19	Probing electrochemical reactivity in an Sb2S3-containing potassium-ion battery anode: observation of an increased capacity. *Journal of Materials Chemistry A*, **2020**, 8, 11424-11434	13	16
18	Approaching Reactive KFePO4 Phase for Potassium Storage by Adopting an Advanced Design Strategy. *Batteries and Supercaps*, **2020**, 3, 450-455	5.6	15
17	Antimony-carbon nanocomposites for potassium-ion batteries: Insight into the failure mechanism in electrodes and possible avenues to improve cyclic stability. *Journal of Power Sources*, **2019**, 413, 476-484	8.9	43
16	Additive-Free Nb2O5□TiO2 Hybrid Anode towards Low-Cost and Safe Lithium-Ion Batteries: A Green Electrode Material Produced in an Environmentally Friendly Process. *Batteries and Supercaps*, **2019**, 2, 160-167	5.6	4
15	Formation of hollow MoS2/carbon microspheres for high capacity and high rate reversible alkali-ion storage. *Journal of Materials Chemistry A*, **2018**, 6, 8280-8288	13	56
14	Potassium-Ion Battery Anode Materials Operating through the Alloying□Dealloying Reaction Mechanism. *Advanced Functional Materials*, **2018**, 28, 1703857	15.6	252
13	K-ion and Na-ion storage performances of CoO-FeO nanoparticle-decorated super P carbon black prepared by a ball milling process. *Nanoscale*, **2017**, 9, 3646-3654	7.7	139
12	Nanocrystalline SnS coated onto reduced graphene oxide: demonstrating the feasibility of a non-graphitic anode with sulfide chemistry for potassium-ion batteries. *Chemical Communications*, **2017**, 53, 8272-8275	5.8	164
11	High capacity potassium-ion battery anodes based on black phosphorus. *Journal of Materials Chemistry A*, **2017**, 5, 23506-23512	13	191
10	Maricite NaFePO4/C/graphene: a novel hybrid cathode for sodium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 16616-16621	13	43
9	Lithium Germanate (Li GeO): A High-Performance Anode Material for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 16059-16063	16.4	26
8	Ex situ electrochemical sodiation/desodiation observation of Co□□anchored carbon nanotubes: a high performance sodium-ion battery anode produced by pulsed plasma in a liquid. *Nanoscale*, **2015**, 7, 13088-95	7.7	61
7	Self-assembled V2O5 interconnected microspheres produced in a fish-water electrolyte medium as a high-performance lithium-ion-battery cathode. *Nano Research*, **2015**, 8, 3591-3603	10	24
6	Enhanced lithium storage in ZnFe2O4□ nanocomposite produced by a low-energy ball milling. *Journal of Power Sources*, **2015**, 282, 462-470	8.9	58

List of Publications

5	Electrochemical investigation of sodium reactivity with nanostructured Co3O4 for sodium-ion batteries. *Chemical Communications*, **2014**, 50, 5057-60	5.8	133
4	Carbon coated Na7Fe7(PO4)6F3: A novel intercalation cathode for sodium-ion batteries. *Journal of Power Sources*, **2014**, 271, 497-503	8.9	16
3	Enhanced lithium storage in Fe2O3-SnO2-C nanocomposite anode with a breathable structure. *Nanoscale*, **2013**, 5, 4910-6	7.7	50
2	LiFePO4Fe2P composite cathode: An environmentally friendly promising electrode material for lithium-ion battery. *Journal of Power Sources*, **2012**, 206, 259-266	8.9	25
1	Effects of polypyrrole on the performance of nickel oxide anode materials for rechargeable lithium-ion batteries. *Journal of Materials Research*, **2011**, 26, 860-866	2.5	32