

# Saiful Islam

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

2,462  
citations

471509

17  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1984  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triggering the theoretical capacity of Na <sub>1.1</sub> V <sub>3</sub> O <sub>7.9</sub> nanorod cathode by polypyrrole coating for high-energy zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 446, 137069.	12.7	23
2	In Situ Oriented Mn Deficient ZnMn <sub>2</sub> O <sub>4</sub> @C Nanoarchitecture for Durable Rechargeable Aqueous Zinc-ion Batteries. <i>Advanced Science</i> , 2021, 8, 2002636.	11.2	90
3	The dominant role of Mn <sup>2+</sup> additive on the electrochemical reaction in ZnMn <sub>2</sub> O <sub>4</sub> cathode for aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , 2020, 28, 407-417.	18.0	175
4	Manganese and Vanadium Oxide Cathodes for Aqueous Rechargeable Zinc-Ion Batteries: A Focused View on Performance, Mechanism, and Developments. <i>ACS Energy Letters</i> , 2020, 5, 2376-2400.	17.4	303
5	Quasi-solid-state zinc-ion battery based on $\delta$ -MnO <sub>2</sub> cathode with husk-like morphology. <i>Electrochimica Acta</i> , 2020, 345, 136189.	5.2	24
6	K <sup>+</sup> intercalated V <sub>2</sub> O <sub>5</sub> nanorods with exposed facets as advanced cathodes for high energy and high rate zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20335-20347.	10.3	116
7	A new rechargeable battery based on a zinc anode and a NaV <sub>6</sub> O <sub>15</sub> nanorod cathode. <i>Chemical Communications</i> , 2019, 55, 3793-3796.	4.1	51
8	First principles calculations study of $\delta$ -MnO <sub>2</sub> as a potential cathode for Al-ion battery application. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26966-26974.	10.3	52
9	Structural transformation and electrochemical study of layered MnO <sub>2</sub> in rechargeable aqueous zinc-ion battery. <i>Electrochimica Acta</i> , 2018, 276, 1-11.	5.2	220
10	Pyrosynthesis of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C Cathodes for Safe and Low-Cost Aqueous Hybrid Batteries. <i>ChemSusChem</i> , 2018, 11, 2239-2247.	6.8	47
11	Aqueous Magnesium Zinc Hybrid Battery: An Advanced High-Voltage and High-Energy MgMn <sub>2</sub> O <sub>4</sub> Cathode. <i>ACS Energy Letters</i> , 2018, 3, 1998-2004.	17.4	159
12	Ambient redox synthesis of vanadium-doped manganese dioxide nanoparticles and their enhanced zinc storage properties. <i>Applied Surface Science</i> , 2017, 404, 435-442.	6.1	123
13	Electrochemical Zinc Intercalation in Lithium Vanadium Oxide: A High-Capacity Zinc-Ion Battery Cathode. <i>Chemistry of Materials</i> , 2017, 29, 1684-1694.	6.7	479
14	Carbon-coated manganese dioxide nanoparticles and their enhanced electrochemical properties for zinc-ion battery applications. <i>Journal of Energy Chemistry</i> , 2017, 26, 815-819.	12.9	112
15	Carbon-coated rhombohedral Li <sub>2</sub> NaV <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanoflake cathode for Li-ion battery with excellent cycleability and rate capability. <i>Chemical Physics Letters</i> , 2017, 681, 44-49.	2.6	14
16	Facile synthesis and the exploration of the zinc storage mechanism of $\delta$ -MnO <sub>2</sub> nanorods with exposed (101) planes as a novel cathode material for high performance eco-friendly zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23299-23309.	10.3	297
17	<i>In Situ</i> Generation of Silicon Oxycarbide Phases on Reduced Graphene Oxide for Li-Ion Battery Anode. <i>ChemistrySelect</i> , 2016, 1, 6429-6433.	1.5	8
18	A high surface area tunnel-type $\delta$ -MnO <sub>2</sub> nanorod cathode by a simple solvent-free synthesis for rechargeable aqueous zinc-ion batteries. <i>Chemical Physics Letters</i> , 2016, 650, 64-68.	2.6	142

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19	An experimental and first-principles study of the effect of B/N doping in TiO <sub>2</sub> thin films for visible light photo-catalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 254, 25-34.	3.9	27