

Saiful Islam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2849110/publications.pdf>

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	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
2	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
3	Facile synthesis and the exploration of the zinc storage mechanism of V^{2+} - MnO_2 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
4	Structural transformation and electrochemical study of layered MnO_2 in rechargeable aqueous zinc-ion battery. <i>Electrochimica Acta</i> , 2018, 276, 1-11.	5.2	220
5	The dominant role of Mn^{2+} additive on the electrochemical reaction in ZnMn_2O_4 cathode for aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , 2020, 28, 407-417.	18.0	175
6	Aqueous Magnesium Zinc Hybrid Battery: An Advanced High-Voltage and High-Energy MgMn_2O_4 Cathode. <i>ACS Energy Letters</i> , 2018, 3, 1998-2004.	17.4	159
7	A high surface area tunnel-type V^{2+} - MnO_2 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
8	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
9	K^+ intercalated V_2O_5 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
10	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
11	In Situ Oriented Mn Deficient ZnMn_2O_4 @C Nanoarchitecture for Durable Rechargeable Aqueous Zinc-Ion Batteries. <i>Advanced Science</i> , 2021, 8, 2002636.	11.2	90
12	First principles calculations study of V^{2+} - MnO_2 as a potential cathode for Al-ion battery application. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26966-26974.	10.3	52
13	A new rechargeable battery based on a zinc anode and a $\text{NaV}_6\text{O}_{15}$ nanorod cathode. <i>Chemical Communications</i> , 2019, 55, 3793-3796.	4.1	51
14	Pyrosynthesis of $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ @C Cathodes for Safe and Low-Cost Aqueous Hybrid Batteries. <i>ChemSusChem</i> , 2018, 11, 2239-2247.	6.8	47
15	An experimental and first-principles study of the effect of B/N doping in TiO_2 thin films for visible light photo-catalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 254, 25-34.	3.9	27
16	Quasi-solid-state zinc-ion battery based on V^{2+} - MnO_2 cathode with husk-like morphology. <i>Electrochimica Acta</i> , 2020, 345, 136189.	5.2	24
17	Triggering the theoretical capacity of $\text{Na}_1.1\text{V}_3\text{O}_7.9$ nanorod cathode by polypyrrole coating for high-energy zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 446, 137069.	12.7	23
18	Carbon-coated rhombohedral $\text{Li}_2\text{NaV}_2(\text{PO}_4)_3$ nanoflake cathode for Li-ion battery with excellent cycleability and rate capability. <i>Chemical Physics Letters</i> , 2017, 681, 44-49.	2.6	14

#	ARTICLE	IF	CITATIONS
19	<i>In Situ</i> Generation of Silicon Oxycarbide Phases on Reduced Graphene Oxide for Li-Ion Battery Anode. ChemistrySelect, 2016, 1, 6429-6433.	1.5	8