

Dawei Xia

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,256
citations

586496

16
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685536

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docs citations

24
times ranked

1917
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybridized cobalt/manganese vanadates as high-performance anodes in lithium ion battery. <i>Materials Letters</i> , 2021, 283, 128782.	1.3	8
2	Transition metal vanadates electrodes in lithium-ion batteries: A holistic review. <i>Energy Storage Materials</i> , 2021, 35, 169-191.	9.5	56
3	Rational Synthesis of $\text{Ni}_2\text{V}_2\text{O}_7$ Microspheres as High-Capacity Anodes for Rechargeable Lithium Batteries. <i>Chemistry - an Asian Journal</i> , 2021, 16, 775-782.	1.7	7
4	Self-Healing and Anti- CO_2 Hydrogels for Flexible Solid-State Zinc-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12033-12041.	4.0	39
5	Recycling Polymeric Solid Wastes for Energy-Efficient Water Purification, Organic Distillation, and Oil Spill Cleanup. <i>Small</i> , 2021, 17, e2102459.	5.2	11
6	Recycling Polymeric Solid Wastes for Energy-Efficient Water Purification, Organic Distillation, and Oil Spill Cleanup (Small 46/2021). <i>Small</i> , 2021, 17, 2170244.	5.2	2
7	Solid waste and graphite derived solar steam generator for highly-efficient and cost-effective water purification. <i>Applied Energy</i> , 2020, 261, 114410.	5.1	70
8	Influence of Li_2O - MgO - ZnO - B_2O_3 - SiO_2 glass doping on the microwave dielectric properties and sintering temperature of $\text{Li}_3\text{Mg}_2\text{NbO}_6$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 17029-17035.	1.1	4
9	A long-lasting dual-function electrolyte additive for stable lithium metal batteries. <i>Nano Energy</i> , 2020, 75, 104889.	8.2	77
10	Facile and Controllable Synthesis of $\text{Co}_2\text{V}_2\text{O}_7$ Microplatelets Anchored on Graphene Layers toward Superior Li-Ion Battery Anodes. <i>Energy & Fuels</i> , 2020, 34, 7616-7621.	2.5	22
11	Pure-phase $\text{Mn}_2\text{V}_2\text{O}_7$ interconnected nanospheres as a high-performance lithium ion battery anode. <i>Chemical Communications</i> , 2020, 56, 8043-8046.	2.2	10
12	Direct Thermal Pyrolysis Enabling the Use of Cobalt Oxides Nanoparticles from Commercial Acetates as High-Capacity Anodes for Lithium-Ion Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13564-13571.	1.8	7
13	Nitrogen, sulfur Co-doped porous graphene boosting $\text{Li}_4\text{Ti}_5\text{O}_{12}$ anode performance for high-rate and long-life lithium ion batteries. <i>Energy Storage Materials</i> , 2020, 27, 387-395.	9.5	87
14	An All-Fluorinated Ester Electrolyte for Stable High-Voltage Li Metal Batteries Capable of Ultra-Low-Temperature Operation. <i>ACS Energy Letters</i> , 2020, 5, 1438-1447.	8.8	214
15	Scalable, eco-friendly and ultrafast solar steam generators based on one-step melamine-derived carbon sponges toward water purification. <i>Nano Energy</i> , 2019, 58, 322-330.	8.2	246
16	Systematic comparison of hollow and solid $\text{Co}_3\text{V}_2\text{O}_8$ micro-pencils as advanced anode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2018, 264, 358-366.	2.6	49
17	Enhanced Electrochemical and Thermal Transport Properties of Graphene/ MoS_2 Heterostructures for Energy Storage: Insights from Multiscale Modeling. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14614-14621.	4.0	56
18	Molybdenum and tungsten disulfides-based nanocomposite films for energy storage and conversion: A review. <i>Chemical Engineering Journal</i> , 2018, 348, 908-928.	6.6	98

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19	Predictions of the thermal conductivity of multiphase nanocomposites with complex structures. <i>Journal of Materials Science</i> , 2018, 53, 12157-12166.	1.7	13
20	Novel spherical cobalt/nickel mixed-vanadates as high-capacity anodes in lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 766, 442-449.	2.8	33
21	Recent Advances in Graphene-Based Free-Standing Films for Thermal Management: Synthesis, Properties, and Applications. <i>Coatings</i> , 2018, 8, 63.	1.2	43
22	High rate capability and long cycling life of graphene-coated silicon composite anodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2017, 256, 259-266.	2.6	58
23	Graphene coated $\text{Co}_3\text{V}_2\text{O}_8$ micro-pencils for enhanced-performance in lithium ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 10634-10639.	1.4	18
24	A Facile Approach to Tune the Electrical and Thermal Properties of Graphene Aerogels by Including Bulk MoS_2 . <i>Nanomaterials</i> , 2017, 7, 420.	1.9	28