Jia-jia Chen

List of Publications by Year
in descending order

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33	2,161	279487	433756
papers	citations	23 h-index	31 g-index

34	34	34	2887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Advances on Polyoxometalateâ€Based Ionâ€Conducting Electrolytes for Energyâ€Related Devices. Energy and Environmental Materials, 2023, 6, .	7.3	20
2	POM Anolyte for Allâ€Anion Redox Flow Batteries with High Capacity Retention and Coulombic Efficiency at Mild pH. Advanced Materials, 2022, 34, e2107425.	11.1	18
3	Single-dispersed polyoxometalate clusters embedded on multilayer graphene as a bifunctional electrocatalyst for efficient Li-S batteries. Nature Communications, 2022, 13, 202.	5.8	128
4	Hybrid covalent organic-framework-based electrolytes for optimizing interface resistance in solid-state lithium-ion batteries. Cell Reports Physical Science, 2022, 3, 100731.	2.8	6
5	Effective Storage of Electrons in Water by the Formation of Highly Reduced Polyoxometalate Clusters. Journal of the American Chemical Society, 2022, 144, 8951-8960.	6.6	37
6	A carbon-based material with a hierarchical structure and intrinsic heteroatom sites for sodium-ion storage with ultrahigh rate and capacity. Nanoscale, 2021, 13, 15731-15742.	2.8	3
7	The Intrinsic Charge Carrier Behaviors and Applications of Polyoxometalate Clusters Based Materials. Advanced Materials, 2021, 33, e2005019.	11.1	58
8	Revealing the Effect of Nickel Nanoparticles for Li Plating and Stripping Processes on Niâ‚™N x Doped Hollow Carbon Sphere. ChemElectroChem, 2021, 8, 3832.	1.7	0
9	Defects Engineering of Lightweight Metalâ€“Organic Frameworks-Based Electrocatalytic Membrane for High-Loading Lithiumâ€“Sulfur Batteries. ACS Nano, 2021, 15, 13803-13813.	7.3	62
10	Exploring and Understanding the Roles of Li2Sn and the Strategies to beyond Present Li-S Batteries. CheM, 2020, 6, 2533-2557.	5.8	148
11	Revisiting the Stability of the Cr⁴⁺/Cr³⁺ Redox Couple in Sodium Superionic Conductor Compounds. ACS Applied Materials & Interfaces, 2020, 12, 28313-28319.	4.0	8
12	Tuning Redox Active Polyoxometalates for Efficient Electronâ€Coupled Protonâ€Bufferâ€Mediated Water Splitting. Chemistry - A European Journal, 2019, 25, 11432-11436.	1.7	40
13	A polyoxometalate-based polymer electrolyte with an improved electrode interface and ion conductivity for high-safety all-solid-state batteries. Journal of Materials Chemistry A, 2019, 7, 15924-15932.	5.2	27
14	Supercapacitors: Design and Performance of Rechargeable Sodium Ion Batteries, and Symmetrical Liâ€Ion Batteries with Supercapacitorâ€Like Power Density Based upon Polyoxovanadates (Adv. Energy Mater.) Tj ETQq0 0 0 rgBT /Overlock 10	10.2	1
15	Redox tuning the Weakley-type polyoxometalate archetype for the oxygen evolution reaction. Nature Catalysis, 2018, 1, 208-213.	16.1	97
16	Strategies to Explore and Develop Reversible Redox Reactions of Liâ€“S in Electrode Architectures Using Silver-Polyoxometalate Clusters. Journal of the American Chemical Society, 2018, 140, 3134-3138.	6.6	117
17	Self-Sorting of Heteroanions in the Assembly of Cross-Shaped Polyoxometalate Clusters. Journal of the American Chemical Society, 2018, 140, 2595-2601.	6.6	62
18	A practical, organic-mediated, hybrid electrolyser that decouples hydrogen production at high current densities. Chemical Science, 2018, 9, 1621-1626.	3.7	48

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19	Design and Performance of Rechargeable Sodium Ion Batteries, and Symmetrical Liâ€Ion Batteries with Supercapacitorâ€Like Power Density Based upon Polyoxovanadates. Advanced Energy Materials, 2018, 8, 1701021.	10.2	58
20	Highly reduced and protonated aqueous solutions of [P2W18O62]6â^' for on-demand hydrogen generation and energy storage. Nature Chemistry, 2018, 10, 1042-1047.	6.6	199
21	Assembly of inorganic [Mo₂S₂O₂]²⁺ panels connected by selenite anions to nanoscale chalcogenideâ€“polyoxometalate clusters. Chemical Science, 2016, 7, 3798-3804.	3.7	20
22	Highâ€Performance Polyoxometalateâ€Based Cathode Materials for Rechargeable Lithiumâ€Ion Batteries. Advanced Materials, 2015, 27, 4649-4654.	11.1	136
23	Conductive Lewis Base Matrix to Recover the Missing Link of Li₂S₈ during the Sulfur Redox Cycle in Liâ€“S Battery. Chemistry of Materials, 2015, 27, 2048-2055.	3.2	326
24	An Amorphous Carbon Nitride Composite Derived from ZIFâ€8 as Anode Material for Sodiumâ€Ion Batteries. ChemSusChem, 2015, 8, 1856-1861.	3.6	91
25	Enhanced electrochemical performance and thermal stability of LiNi_{0.5}Mn_{1.5}O₄ using an electrolyte with sulfolane. Physical Chemistry Chemical Physics, 2015, 17, 10353-10357.	1.3	29
26	Polyvinyl pyrrolidone-assisted synthesis of a Fe3O4/graphene composite with excellent lithium storage properties. RSC Advances, 2014, 4, 6379.	1.7	21
27	Hierarchical structure LiFePO₄@C synthesized by oleylamine-mediated method for low temperature applications. Journal of Materials Chemistry A, 2014, 2, 4870-4873.	5.2	33
28	Assembly of Thiometalateâ€Based {Mo₁₆} and {Mo₃₆} Composite Clusters Combining [Mo₂O₂S₂]²⁺ Cations and Selenite Anions. Advanced Materials, 2013, 25, 6245-6249.	11.1	54
29	A hierarchical architecture S/MWCNT nanomicrosphere with large pores for lithium sulfur batteries. Physical Chemistry Chemical Physics, 2012, 14, 5376.	1.3	143
30	Two-Step Hydrothermal Method for Synthesis of Sulfur-Graphene Hybrid and its Application in Lithium Sulfur Batteries. Journal of the Electrochemical Society, 2012, 159, A1236-A1239.	1.3	29
31	Electrochemical Performance of the LiNi[sub 1/3]Co[sub 1/3]Mn[sub 1/3]O[sub 2] in Aqueous Electrolyte. Journal of the Electrochemical Society, 2010, 157, A702.	1.3	27
32	Preparation and performance of a coreâ€“shell carbon/sulfur material for lithium/sulfur battery. Electrochimica Acta, 2010, 55, 7010-7015.	2.6	112
33	Selfâ€Supporting 3D Lithiophilic and Flexible Carbon Nanofiber Film as a Highâ€Loading Li Host. Advanced Energy and Sustainability Research, 0, , 2100186.	2.8	3