Jianguo Sun

List of Publications by Year
in descending order

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48	1,663	304743	289244
papers	citations	22 h-index	40 g-index

48	48	48	1944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Alleviating mechanical degradation of hexacyanoferrate via strain locking during Na+ insertion/extraction for full sodium ion battery. Nano Research, 2022, 15, 2123-2129.	10.4	21
2	An integrated approach to improve the performance of leanâ€“electrolyte lithiumâ€“sulfur batteries. Journal of Energy Chemistry, 2022, 67, 585-592.	12.9	12
3	Ferroelectric Engineered Electrodeâ€Composite Polymer Electrolyte Interfaces for Allâ€Solidâ€State Sodium Metal Battery. Advanced Science, 2022, 9, e2105849.	11.2	22
4	High-Energy Batteries: Beyond Lithium-Ion and Their Long Road to Commercialisation. Nano-Micro Letters, 2022, 14, 94.	27.0	79
5	Zincophilic 3D ZnOHF nanowire arrays with ordered and continuous Zn2+ Ion modulation layer enable long-term stable Zn metal anodes. Energy Storage Materials, 2022, 50, 435-443.	18.0	28
6	Direct evidence of an unanticipated crystalline phase responsible for the high performance of few-layered-MoS2 anodes for Na-ion batteries. Energy Storage Materials, 2022, 48, 314-324.	18.0	6
7	Ammonium escorted chloride chemistry in stabilizing aqueous chloride ion battery. Materials Today Energy, 2022, 26, 101020.	4.7	6
8	Threshold Dynamics and the Density Function of the Stochastic Coronavirus Epidemic Model. Fractal and Fractional, 2022, 6, 245.	3.3	3
9	Enhanced polysulfide conversion catalysis in lithium-sulfur batteries with surface cleaning electrolyte additives. Chemical Engineering Journal, 2021, 410, 128284.	12.7	37
10	Abnormal Phenomena of Multiâ€Way Sodium Storage in Selenide Electrode. Advanced Functional Materials, 2021, 31, 2102406.	14.9	9
11	Mediatorâ€“Assisted Catalysis of Polysulfide Conversion for Highâ€“Loading Lithiumâ€“Sulfur Batteries Operating Under the Lean Electrolyte Condition. Energy Storage Materials, 2021, 38, 338-343.	18.0	51
12	A Robust Solidâ€“Solid Interface Using Sodiumâ€“Tin Alloy Modified Metallic Sodium Anode Paving Way for Allâ€Solidâ€State Battery. Advanced Energy Materials, 2021, 11, 2101228.	19.5	39
13	Intrinsic low sodium/NASICON interfacial resistance paving the way for room temperature sodium-metal battery. Journal of Colloid and Interface Science, 2021, 601, 418-426.	9.4	28
14	Insight into the structure-capacity relationship in biomass derived carbon for high-performance sodium-ion batteries. Journal of Energy Chemistry, 2021, 62, 497-504.	12.9	34
15	Elevating the discharge plateau of prussian blue analogs through low-spin Fe redox induced intercalation pseudocapacitance. Energy Storage Materials, 2021, 43, 182-189.	18.0	43
16	On the Dynamics Behaviors of a Stochastic Echinococcosis Infection Model with Environmental Noise. Discrete Dynamics in Nature and Society, 2021, 2021, 1-18.	0.9	1
17	The Geometrical Characterizations of the Bertrand Curves of the Null Curves in Semi-Euclidean 4-Space. Mathematics, 2021, 9, 3294.	2.2	2
18	Substantial doping engineering in Na3V2-xFex(PO4)3 (0â‰¤xâ‰¤0.15) as high-rate cathode for sodium-ion battery. Materials and Design, 2020, 186, 108287.	7.0	48

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19	Facile aqueous synthesis of high performance Na₂FeM(SO₄)₃ (M =) Tj ETQq1 1 0.784314 rgB 2728-2740.	10.3	25
20	Feâ€“Pâ€“S electrodes for all-solid-state lithium secondary batteries using sulfide-based solid electrolytes. Journal of Power Sources, 2020, 449, 227576.	7.8	11
21	Decomposition failure of Li1.5Al0.5Ge1.5(PO4)3 solid electrolytes induced by electric field: A multi-scenario study using Scanning Probe Microscopy-based techniques. Journal of Power Sources, 2020, 471, 228468.	7.8	15
22	Doping Induced Hierarchical Lattice Expansion of Cobalt Diselenide/Carbon Nanosheet Hybrid for Fast and Stable Sodium Storage. Cell Reports Physical Science, 2020, 1, 100082.	5.6	7
23	Dual-Nitrogen-Doped Carbon Decorated on Na₃V₂(PO₄)₃ to Stabilize the Intercalation of Three Sodium Ions. ACS Applied Energy Materials, 2020, 3, 6870-6879.	5.1	23
24	Engineering of the Heterointerface of Porous Carbon Nanofiberâ€“Supported Nickel and Manganese Oxide Nanoparticle for Highly Efficient Bifunctional Oxygen Catalysis. Advanced Functional Materials, 2020, 30, 1910568.	14.9	92
25	Abnormal Ionic Conductivities in Halide NaBi₃O₄Cl₂ Induced by Absorbing Water and a Derived Oxhydryl Group. Angewandte Chemie - International Edition, 2020, 59, 8991-8997.	13.8	13
26	Abnormal Ionic Conductivities in Halide NaBi 3 O 4 Cl 2 Induced by Absorbing Water and a Derived Oxhydryl Group. Angewandte Chemie, 2020, 132, 9076-9082.	2.0	1
27	Flexible, stable, fast-ion-conducting composite electrolyte composed of nanostructured Na-super-ion-conductor framework and continuous Poly(ethylene oxide) for all-solid-state Na battery. Journal of Power Sources, 2020, 454, 227949.	7.8	34
28	Atomic defects in ultra-thin mesoporous TiO2 enhance photocatalytic hydrogen evolution from water splitting. Applied Surface Science, 2020, 513, 145723.	6.1	37
29	Scalable Li_{1.5}Al_{0.5}Ge_{1.5}(PO₄)₃ thin membrane prepared by tape-casting for large-scale lithiumâ€“air battery application. Materials Technology, 2020, 35, 572-579.	3.0	4
30	Effects of Surface Terminations of 2D Bi₂WO₆ on Photocatalytic Hydrogen Evolution from Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 20067-20074.	8.0	78
31	Highly conductive lithium aluminum germanium phosphate solid electrolyte prepared by sol-gel method and hot-pressing. Solid State Ionics, 2020, 350, 115320.	2.7	21
32	Singularity properties of null killing magnetic curves in Minkowski 3-space. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050141.	2.0	8
33	Chemical Bonding Construction of Reduced Graphene Oxide-Anchored Few-Layer Bismuth Oxychloride for Synergistically Improving Sodium-Ion Storage. Chemistry of Materials, 2019, 31, 7311-7319.	6.7	44
34	The Equations and Characteristics of the Magnetic Curves in the Sphere Space. Advances in Mathematical Physics, 2019, 2019, 1-8.	0.8	1
35	Singularity properties of killing magnetic curves in Minkowski 3-space. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950123.	2.0	19
36	Failure Mechanism and Interface Engineering for NASICON-Structured All-Solid-State Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2019, 11, 20895-20904.	8.0	83

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37	Reversibly tuning the surface state of Ag via the assistance of photocatalysis in Ag/BiOCl. Nanotechnology, 2019, 30, 305601.	2.6	16
38	Stepwise Electrocatalysis as a Strategy against Polysulfide Shuttling in Liâ€“S Batteries. ACS Nano, 2019, 13, 14208-14216.	14.6	171
39	Enhanced photocatalytic activity induced by sp3 to sp2 transition of carbon dopants in BiOCl crystals. Applied Catalysis B: Environmental, 2018, 221, 467-472.	20.2	58
40	Surface Reorganization Leads to Enhanced Photocatalytic Activity in Defective BiOCl. Chemistry of Materials, 2018, 30, 5128-5136.	6.7	55
41	Evolution of Oxyhalide Crystals under Electron Beam Irradiation: An in Situ Method To Understand the Origin of Structural Instability. Inorganic Chemistry, 2018, 57, 8988-8993.	4.0	15
42	Recent advances of bismuth based anode materials for sodium-ion batteries. Materials Technology, 2018, 33, 563-573.	3.0	50
43	Hydroxyl-Dependent Evolution of Oxygen Vacancies Enables the Regeneration of BiOCl Photocatalyst. ACS Applied Materials & Interfaces, 2017, 9, 16620-16626.	8.0	176
44	Supper lattice structure transformation based on nonstoichiometric bismuth oxychloride. Microscopy and Microanalysis, 2017, 23, 1676-1677.	0.4	0
45	Introducing Ti³⁺defects based on lattice distortion for enhanced visible light photoreactivity in TiO₂microspheres. RSC Advances, 2017, 7, 32461-32467.	3.6	99
46	BiOCl Nanosheets with Controlled Exposed Facets and Improved Photocatalytic Activity. Catalysis Letters, 2017, 147, 2006-2012.	2.6	15
47	Size-dependent crystalline fluctuation and growth mechanism of bismuth nanoparticles under electron beam irradiation. Nanoscale, 2016, 8, 12282-12288.	5.6	19
48	Deciphering and suppressing the cathode dissolution catastrophe in aqueous rechargeable dual ion battery. Functional Materials Letters, 0, , .	1.2	4