

Chenglong Zhao

List of Publications by Year in descending order

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32
papers

4,203
citations

257450

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414414

32
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docs citations

33
times ranked

4296
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis design of interfacial nanostructure for nickel-rich layered cathodes. <i>Nano Energy</i> , 2022, 97, 107119.	16.0	14
2	Using High-Entropy Configuration Strategy to Design Na-Ion Layered Oxide Cathodes with Superior Electrochemical Performance and Thermal Stability. <i>Journal of the American Chemical Society</i> , 2022, 144, 8286-8295.	13.7	112
3	Quantification of the Li-ion diffusion over an interface coating in all-solid-state batteries via NMR measurements. <i>Nature Communications</i> , 2021, 12, 5943.	12.8	36
4	High-Entropy Layered Oxide Cathodes for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 264-269.	13.8	335
5	Flexible Na batteries. <i>Informa-Ån-Å-Materi-Å-ly</i> , 2020, 2, 126-138.	17.3	108
6	High-Entropy Layered Oxide Cathodes for Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 270-275.	2.0	15
7	Iodine Vapor Transport-Triggered Preferential Growth of Chevrel Mo_6S_8 Nanosheets for Advanced Multivalent Batteries. <i>ACS Nano</i> , 2020, 14, 1102-1110.	14.6	72
8	Interface chemistry of an amide electrolyte for highly reversible lithium metal batteries. <i>Nature Communications</i> , 2020, 11, 4188.	12.8	226
9	Rational design of layered oxide materials for sodium-ion batteries. <i>Science</i> , 2020, 370, 708-711.	12.6	616
10	Constructing Na-Ion Cathodes via Alkali-Site Substitution. <i>Advanced Functional Materials</i> , 2020, 30, 1910840.	14.9	28
11	Revealing High Na-Content P2-Type Layered Oxides as Advanced Sodium-Ion Cathodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 5742-5750.	13.7	206
12	Revealing an Interconnected Interfacial Layer in Solid-State Polymer Sodium Batteries. <i>Angewandte Chemie</i> , 2019, 131, 17182-17188.	2.0	7
13	Revealing an Interconnected Interfacial Layer in Solid-State Polymer Sodium Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17026-17032.	13.8	48
14	Ni-based cathode materials for Na-ion batteries. <i>Nano Research</i> , 2019, 12, 2018-2030.	10.4	67
15	Building aqueous K-ion batteries for energy storage. <i>Nature Energy</i> , 2019, 4, 495-503.	39.5	630
16	Stabilizing a sodium-metal battery with the synergy effects of a sodiophilic matrix and fluorine-rich interface. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24857-24867.	10.3	48
17	Anionic Redox Reaction-Induced High-Capacity and Low-Strain Cathode with Suppressed Phase Transition. <i>Joule</i> , 2019, 3, 503-517.	24.0	262
18	Decreasing transition metal triggered oxygen redox activity in Na-deficient oxides. <i>Energy Storage Materials</i> , 2019, 20, 395-400.	18.0	58

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19	An O ₃ -type Oxide with Low Sodium Content as the Phase-Transition-Free Anode for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7056-7060.	13.8	87
20	An O ₃ -type Oxide with Low Sodium Content as the Phase-Transition-Free Anode for Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2018, 130, 7174-7178.	2.0	14
21	Solid-State Sodium Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703012.	19.5	478
22	Pre-Oxidation-Tuned Microstructures of Carbon Anodes Derived from Pitch for Enhancing Na Storage Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1800108.	19.5	179
23	Advances in Understanding Materials for Rechargeable Lithium Batteries by Atomic Force Microscopy. <i>Energy and Environmental Materials</i> , 2018, 1, 28-40.	12.8	80
24	Luminescence investigations of novel orange-red fluorapatite $\text{KLaSr}_3(\text{PO}_4)_3\text{F}:\text{Sm}^{3+}$ phosphors with high thermal stability. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2221-2231.	3.8	63
25	Crystal structure and luminescence properties of a single-component white-light-emitting phosphor $\text{Ca}_8\text{ZnLa}(\text{PO}_4)_7\text{Eu}^{2+}\text{Mn}^{2+}$. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3050-3060.	2.4	24
26	Novel Methods for Sodium-Ion Battery Materials. <i>Small Methods</i> , 2017, 1, 1600063.	8.6	84
27	Advanced Nanostructured Anode Materials for Sodium-Ion Batteries. <i>Small</i> , 2017, 13, 1701835.	10.0	206
28	Novel apatite $\text{KLaSr}_3(\text{PO}_4)_3\text{F}:\text{Eu}^{2+}$ phosphors: synthesis, structure, and luminescence properties. <i>Journal of Materials Research</i> , 2016, 31, 3489-3497.	2.6	6
29	Hydrothermal synthesis of analcime and hydroxycancrinite from K-feldspar in Na_2SiO_3 solution: characterization and reaction mechanism. <i>RSC Advances</i> , 2016, 6, 54503-54509.	3.6	41
30	$\text{KLaSr}_3(\text{PO}_4)_3\text{F}$ (Re=Tb ³⁺ /Eu ³⁺ /Eu ²⁺): Promising Multi-Color Luminescence Phosphors for UV/UV White LEDs. <i>ChemistrySelect</i> , 2016, 1, 2883-2888.	1.5	3
31	Sodium-Deficient O ₃ -Na _{0.9} [Ni _{0.4} Mn _x Ti _{0.6-x}]O ₂ Layered-Oxide Cathode Materials for Sodium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 538-544.	2.3	47
32	Molecular beam epitaxy growth and magnetic properties of Cr-Co-Ga Heusler alloy films. <i>AIP Advances</i> , 2015, 5, .	1.3	3