

# Chenglong Zhao

## List of Publications by Year in descending order

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32  
papers

4,203  
citations

257450

24  
h-index

414414

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g-index

33  
all docs

33  
docs citations

33  
times ranked

4296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Building aqueous K-ion batteries for energy storage. <i>Nature Energy</i> , 2019, 4, 495-503.	39.5	630
2	Rational design of layered oxide materials for sodium-ion batteries. <i>Science</i> , 2020, 370, 708-711.	12.6	616
3	Solid-State Sodium Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703012.	19.5	478
4	High-Entropy Layered Oxide Cathodes for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 264-269.	13.8	335
5	Anionic Redox Reaction-Induced High-Capacity and Low-Strain Cathode with Suppressed Phase Transition. <i>Joule</i> , 2019, 3, 503-517.	24.0	262
6	Interface chemistry of an amide electrolyte for highly reversible lithium metal batteries. <i>Nature Communications</i> , 2020, 11, 4188.	12.8	226
7	Advanced Nanostructured Anode Materials for Sodium-Ion Batteries. <i>Small</i> , 2017, 13, 1701835.	10.0	206
8	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
9	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
10	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
11	Flexible Na batteries. <i>Informa-Materials</i> , 2020, 2, 126-138.	17.3	108
12	An O <sub>3</sub> -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
13	Novel Methods for Sodium-Ion Battery Materials. <i>Small Methods</i> , 2017, 1, 1600063.	8.6	84
14	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
15	Iodine Vapor Transport-Triggered Preferential Growth of Chevrel Mo <sub>6</sub> S <sub>8</sub> Nanosheets for Advanced Multivalent Batteries. <i>ACS Nano</i> , 2020, 14, 1102-1110.	14.6	72
16	Ni-based cathode materials for Na-ion batteries. <i>Nano Research</i> , 2019, 12, 2018-2030.	10.4	67
17	Luminescence investigations of novel orange-red fluorapatite $\text{KLaSr}_3(\text{PO}_4)_4\text{F}:\text{Sm}^{3+}$ phosphors with high thermal stability. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2221-2231.	3.8	63
18	Decreasing transition metal triggered oxygen redox activity in Na-deficient oxides. <i>Energy Storage Materials</i> , 2019, 20, 395-400.	18.0	58

#	ARTICLE	IF	CITATIONS
19	Revealing an Interconnected Interfacial Layer in Solid-State Polymer Sodium Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17026-17032.	13.8	48
20	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
21	Sodium-deficient $\text{O}_3\text{Na}_{0.9}[\text{Ni}_{0.4}\text{Mn}_x\text{Ti}_{0.6-x}]\text{O}_2$ Layered Oxide Cathode Materials for Sodium-ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 538-544.	2.3	47
22	Hydrothermal synthesis of analcime and hydroxycancrinite from K-feldspar in $\text{Na}_2\text{SiO}_3$ solution: characterization and reaction mechanism. <i>RSC Advances</i> , 2016, 6, 54503-54509.	3.6	41
23	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
24	Constructing Na-ion Cathodes via Alkali-Site Substitution. <i>Advanced Functional Materials</i> , 2020, 30, 1910840.	14.9	28
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	High-Entropy Layered Oxide Cathodes for Sodium-ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 270-275.	2.0	15
27	An $\text{O}_3$ -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
28	Synthesis design of interfacial nanostructure for nickel-rich layered cathodes. <i>Nano Energy</i> , 2022, 97, 107119.	16.0	14
29	Revealing an Interconnected Interfacial Layer in Solid-State Polymer Sodium Batteries. <i>Angewandte Chemie</i> , 2019, 131, 17182-17188.	2.0	7
30	Novel apatite $\text{KLaSr}_3(\text{PO}_4)_3\text{F:Eu}^{2+}$ phosphors: synthesis, structure, and luminescence properties. <i>Journal of Materials Research</i> , 2016, 31, 3489-3497.	2.6	6
31	Molecular beam epitaxy growth and magnetic properties of Cr-Co-Ga Heusler alloy films. <i>AIP Advances</i> , 2015, 5, .	1.3	3
32	$\text{KLaSr}_3(\text{PO}_4)_3\text{F}$ (Re= $\text{Tb}^{3+}/\text{Eu}^{3+}/\text{Eu}^{2+}$ ): Promising Multi-Color Luminescence Phosphors for UV/UV White LEDs. <i>ChemistrySelect</i> , 2016, 1, 2883-2888.	1.5	3