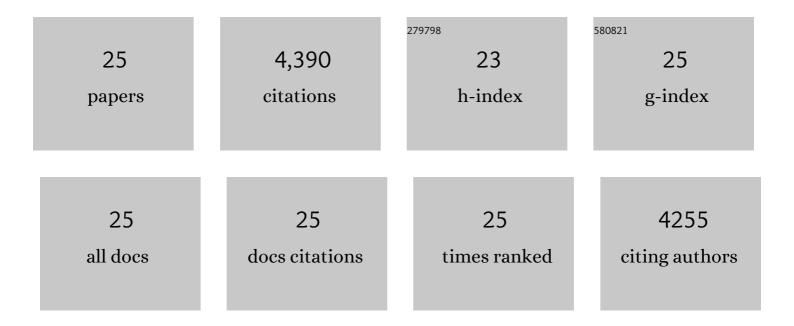
Jie-Nan Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Oxygen-redox reactions in LiCoO2 cathode without O–O bonding during charge-discharge. Joule, 2021, 5, 720-736.	24.0	56
2	Investigations on the Fundamental Process of Cathode Electrolyte Interphase Formation and Evolution of High-Voltage Cathodes. ACS Applied Materials & Interfaces, 2020, 12, 2319-2326.	8.0	186
3	Hierarchical Defect Engineering for LiCoO2 through Low-Solubility Trace Element Doping. CheM, 2020, 6, 2759-2769.	11.7	74
4	4.2Â V poly(ethylene oxide)-based all-solid-state lithium batteries with superior cycle and safety performance. Energy Storage Materials, 2020, 32, 191-198.	18.0	77
5	An In Situ Formed Surface Coating Layer Enabling LiCoO ₂ with Stable 4.6 V Highâ€Voltage Cycle Performances. Advanced Energy Materials, 2020, 10, 2001413.	19.5	201
6	Realizing long-term cycling stability and superior rate performance of 4.5ÂV–LiCoO2 by aluminum doped zinc oxide coating achieved by a simple wet-mixing method. Journal of Power Sources, 2020, 470, 228423.	7.8	57
7	Mn Ion Dissolution Mechanism for Lithium-Ion Battery with LiMn ₂ O ₄ Cathode: <i>In Situ</i> Ultraviolet–Visible Spectroscopy and <i>Ab Initio</i> Molecular Dynamics Simulations. Journal of Physical Chemistry Letters, 2020, 11, 3051-3057.	4.6	60
8	Anionic redox reaction in layered NaCr2/3Ti1/3S2 through electron holes formation and dimerization of S–S. Nature Communications, 2019, 10, 4458.	12.8	38
9	Trace doping of multiple elements enables stable battery cycling of LiCoO2 at 4.6 V. Nature Energy, 2019, 4, 594-603.	39.5	572
10	Improved electrochemical performance of Li(Ni _{0.6} Co _{0.2} Mn _{0.2})O ₂ at high charging cut-off voltage with Li _{1.4} Al _{0.4} Ti _{1.6} (PO ₄) ₃ surface coating*. Chinese Physics B, 2019, 28, 068202.	1.4	16
11	Building aqueous K-ion batteries for energy storage. Nature Energy, 2019, 4, 495-503.	39.5	630
12	Na ⁺ /vacancy disordering promises high-rate Na-ion batteries. Science Advances, 2018, 4, eaar6018.	10.3	341
13	Dynamic evolution of cathode electrolyte interphase (CEI) on high voltage LiCoO2 cathode and its interaction with Li anode. Energy Storage Materials, 2018, 14, 1-7.	18.0	307
14	Surface-protected LiCoO2 with ultrathin solid oxide electrolyte film for high-voltage lithium ion batteries and lithium polymer batteries. Journal of Power Sources, 2018, 388, 65-70.	7.8	139
15	Suppressing the voltage decay of low-cost P2-type iron-based cathode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 20795-20803.	10.3	54
16	Suppressing Surface Lattice Oxygen Release of Liâ€Rich Cathode Materials via Heterostructured Spinel Li ₄ Mn ₅ O ₁₂ Coating. Advanced Materials, 2018, 30, e1801751.	21.0	348
17	Exposing {010} Active Facets by Multipleâ€Layer Oriented Stacking Nanosheets for Highâ€Performance Capacitive Sodiumâ€Ion Oxide Cathode. Advanced Materials, 2018, 30, e1803765.	21.0	142
18	Improved electrochemical performances of high voltage LiCoO ₂ with tungsten doping. Chinese Physics B, 2018, 27, 088202.	1.4	12

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#	Article	IF	CITATIONS
19	Three-dimensional atomic-scale observation of structural evolution of cathode material in a working all-solid-state battery. Nature Communications, 2018, 9, 3341.	12.8	60
20	In Situ Atomic-Scale Observation of Electrochemical Delithiation Induced Structure Evolution of LiCoO ₂ Cathode in a Working All-Solid-State Battery. Journal of the American Chemical Society, 2017, 139, 4274-4277.	13.7	142
21	Designing Air-Stable O3-Type Cathode Materials by Combined Structure Modulation for Na-Ion Batteries. Journal of the American Chemical Society, 2017, 139, 8440-8443.	13.7	303
22	Ti‣ubstituted NaNi _{0.5} Mn _{0.5â€} <i>_x</i> Ti <i>_x</i> O ₂ Cathodes with Reversible O3â^'P3 Phase Transition for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1700210.	21.0	309
23	Mitigating Voltage Decay of Li-Rich Cathode Material via Increasing Ni Content for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 20138-20146.	8.0	197
24	Engineering graphene/carbon nanotube hybrid for direct electron transfer of glucose oxidase and glucose biosensor. Journal of Applied Electrochemistry, 2012, 42, 875-881.	2.9	45
25	Facile encapsulation of monodispersed silver nanoparticles in mesoporous compounds. Chemical Engineering Journal, 2012, 195-196, 254-260.	12.7	24