

# Qinghao Li

## List of Publications by Year in descending order

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39  
papers

4,984  
citations

159585

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315739

38  
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all docs

40  
docs citations

40  
times ranked

4671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Defects in Hard Carbon Anode towards Enhanced Na Storage Performance. Energy Material Advances, 2022, 2022, .	11.0	53
2	Deciphering the Oxygen Absorption Pre-edge: A Caveat on its Application for Probing Oxygen Redox Reactions in Batteries. Energy and Environmental Materials, 2021, 4, 246-254.	12.8	56
3	Operando Magnetometry Probing the Charge Storage Mechanism of CoO Lithium-ion Batteries. Advanced Materials, 2021, 33, e2006629.	21.0	80
4	Oxygen-redox reactions in LiCoO <sub>2</sub> cathode without O-O bonding during charge-discharge. Joule, 2021, 5, 720-736.	24.0	56
5	Lithium-ion Batteries: Operando Magnetometry Probing the Charge Storage Mechanism of CoO Lithium-ion Batteries (Adv. Mater. 12/2021). Advanced Materials, 2021, 33, 2170093.	21.0	4
6	Reacquainting the Electrochemical Conversion Mechanism of FeS <sub>2</sub> Sodium-Ion Batteries by Operando Magnetometry. Journal of the American Chemical Society, 2021, 143, 12800-12808.	13.7	69
7	Effect of simulated tidal cycle on DOM, nitrogen and phosphorus release from sediment in Dagu River-Jiaozhou Bay estuary. Science of the Total Environment, 2021, 783, 147158.	8.0	21
8	Amorphous anion-rich titanium polysulfides for aluminum-ion batteries. Science Advances, 2021, 7, .	10.3	63
9	Boron-doped sodium layered oxide for reversible oxygen redox reaction in Na-ion battery cathodes. Nature Communications, 2021, 12, 5267.	12.8	122
10	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
11	Approaching Practically Accessible Solid-State Batteries: Stability Issues Related to Solid Electrolytes and Interfaces. Chemical Reviews, 2020, 120, 6820-6877.	47.7	891
12	An In Situ Formed Surface Coating Layer Enabling LiCoO <sub>2</sub> with Stable 4.6 V High-Voltage Cycle Performances. Advanced Energy Materials, 2020, 10, 2001413.	19.5	201
13	Dual Defects Adjusted Crystal Field Splitting of LaCo <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> Hollow Multishelled Structures for Efficient Oxygen Evolution. Angewandte Chemie - International Edition, 2020, 59, 19691-19695.	13.8	80
14	Dual Defects Adjusted Crystal Field Splitting of LaCo <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> Hollow Multishelled Structures for Efficient Oxygen Evolution. Angewandte Chemie, 2020, 132, 19859-19863.	2.0	5
15	Dissociate lattice oxygen redox reactions from capacity and voltage drops of battery electrodes. Science Advances, 2020, 6, eaaw3871.	10.3	82
16	Interfacial properties in energy storage systems studied by soft x-ray absorption spectroscopy and resonant inelastic x-ray scattering. Journal of Chemical Physics, 2020, 152, 140901.	3.0	13
17	Enabling Stable Cycling of 4.2 V High-Voltage All-Solid-State Batteries with PEO-Based Solid Electrolyte. Advanced Functional Materials, 2020, 30, 1909392.	14.9	204
18	An Ordered Ni <sub>6</sub> Ring Superstructure Enables a Highly Stable Sodium Oxide Cathode. Advanced Materials, 2019, 31, e1903483.	21.0	65

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19	Stabilizing the Oxygen Lattice and Reversible Oxygen Redox Chemistry through Structural Dimensionality in Lithium-Rich Cathode Oxides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4323-4327.	13.8	114
20	Stabilizing the Oxygen Lattice and Reversible Oxygen Redox Chemistry through Structural Dimensionality in Lithium-Rich Cathode Oxides. <i>Angewandte Chemie</i> , 2019, 131, 4367-4371.	2.0	13
21	Trace doping of multiple elements enables stable battery cycling of LiCoO <sub>2</sub> at 4.6%V. <i>Nature Energy</i> , 2019, 4, 594-603.	39.5	572
22	High Reversibility of Lattice Oxygen Redox Quantified by Direct Bulk Probes of Both Anionic and Cationic Redox Reactions. <i>Joule</i> , 2019, 3, 518-541.	24.0	225
23	Fingerprint Oxygen Redox Reactions in Batteries through High-Efficiency Mapping of Resonant Inelastic X-ray Scattering. <i>Condensed Matter</i> , 2019, 4, 5.	1.8	44
24	A P2/P3 composite layered cathode for high-performance Na-ion full batteries. <i>Nano Energy</i> , 2019, 55, 143-150.	16.0	142
25	Dynamic evolution of cathode electrolyte interphase (CEI) on high voltage LiCoO <sub>2</sub> cathode and its interaction with Li anode. <i>Energy Storage Materials</i> , 2018, 14, 1-7.	18.0	307
26	Both Cationic and Anionic Co-(de)intercalation into a Metal-Oxide Material. <i>Joule</i> , 2018, 2, 1134-1145.	24.0	107
27	An Abnormal 3.7-Volt O <sub>3</sub> -Type Sodium-Ion Battery Cathode. <i>Angewandte Chemie</i> , 2018, 130, 8310-8315.	2.0	23
28	An Abnormal 3.7-Volt O <sub>3</sub> -Type Sodium-Ion Battery Cathode. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8178-8183.	13.8	109
29	Interfaces Between Cathode and Electrolyte in Solid State Lithium Batteries: Challenges and Perspectives. <i>Frontiers in Chemistry</i> , 2018, 6, 616.	3.6	175
30	Suppressing the voltage decay of low-cost P2-type iron-based cathode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20795-20803.	10.3	54
31	Spectroscopic Signature of Oxidized Oxygen States in Peroxides. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6378-6384.	4.6	80
32	Elemental-sensitive Detection of the Chemistry in Batteries through Soft X-ray Absorption Spectroscopy and Resonant Inelastic X-ray Scattering. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	10
33	High-efficiency <i>in situ</i> resonant inelastic x-ray scattering (iRIXS) endstation at the Advanced Light Source. <i>Review of Scientific Instruments</i> , 2017, 88, 033106.	1.3	107
34	Coupling between oxygen redox and cation migration explains unusual electrochemistry in lithium-rich layered oxides. <i>Nature Communications</i> , 2017, 8, 2091.	12.8	469
35	Quantitative probe of the transition metal redox in battery electrodes through soft x-ray absorption spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 413003.	2.8	90
36	ZnO nanoneedle/H <sub>2</sub> O solid-liquid heterojunction-based self-powered ultraviolet detector. <i>Nanoscale Research Letters</i> , 2013, 8, 415.	5.7	55

#	ARTICLE	IF	CITATIONS
37	Self-powered solid-state photodetector based on TiO <sub>2</sub> nanorod/spiro-MeOTAD heterojunction. Applied Physics Letters, 2013, 103, .	3.3	33
38	Structure, band gap, and Mn-related mid-gap states in epitaxial single crystal (Zn <sub>1-x</sub> Mg <sub>x</sub> ) <sub>1-y</sub> MnyO thin films. Journal of Applied Physics, 2013, 113, 173701.	2.5	1
39	AN EFFECTIVE-SUBSTRATE METHOD TO INVESTIGATE AN IRON NATIVE OXIDE LAYER ON AN IRON SUBSTRATE BY SPECTROSCOPIC ELLIPSOMETRY. Modern Physics Letters B, 2013, 27, 1350044.	1.9	1