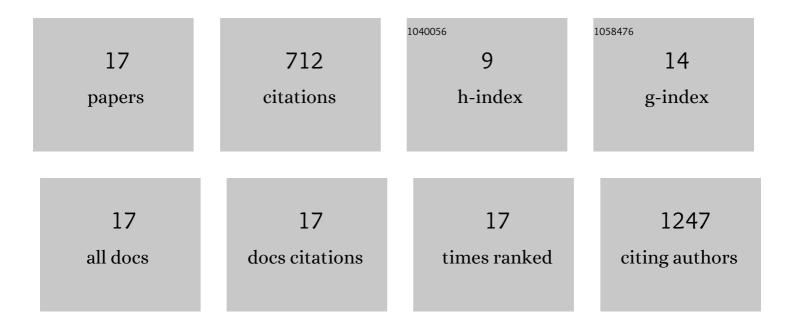
## Hanlei Zhang

List of Publications by Year in descending order

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ΗΛΝΙΕΙ ΖΗΛΝΟ

#	Article	IF	CITATION
1	Oxygen Loss in Layered Oxide Cathodes for Li-Ion Batteries: Mechanisms, Effects, and Mitigation. Chemical Reviews, 2022, 122, 5641-5681.	47.7	108
2	Nanometal Thermocatalysts: Transformations, Deactivation, and Mitigation. Small, 2021, 17, e2005771.	10.0	6
3	Ultra-Microtome for the Preparation of TEM Specimens from Battery Cathodes. Microscopy and Microanalysis, 2020, 26, 867-877.	0.4	9
4	Layered Oxide Cathodes for Li-Ion Batteries: Oxygen Loss and Vacancy Evolution. Chemistry of Materials, 2019, 31, 7790-7798.	6.7	76
5	Intrinsic Challenges to the Electrochemical Reversibility of the High Energy Density Copper(II) Fluoride Cathode Material. ACS Applied Energy Materials, 2019, 2, 5243-5253.	5.1	29
6	Facet-Dependent Rock-Salt Reconstruction on the Surface of Layered Oxide Cathodes. Chemistry of Materials, 2018, 30, 692-699.	6.7	53
7	Structural Degradations in the Bulk of Cathode Particles for Li-ion Batteries. Microscopy and Microanalysis, 2018, 24, 1504-1505.	0.4	0
8	In-situ Atomic-Resolution Observations of Oxide-Reduction Induced Formation of Nano-Holes in Cu2O Thin Films. Microscopy and Microanalysis, 2018, 24, 1816-1817.	0.4	0
9	Tailoring the formation of textured oxide films via primary and secondary nucleation of oxide islands. Acta Materialia, 2018, 156, 266-274.	7.9	2
10	Atomic Insight into the Layered/Spinel Phase Transformation in Charged LiNi <sub>0.80</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> Cathode Particles. Journal of Physical Chemistry C, 2017, 121, 1421-1430.	3.1	52
11	Ambient temperature NO oxidation over Cr-based amorphous mixed oxide catalysts: effects from the second oxide components. Catalysis Science and Technology, 2017, 7, 2362-2370.	4.1	27
12	Formation of an Anti-Core–Shell Structure in Layered Oxide Cathodes for Li-Ion Batteries. ACS Energy Letters, 2017, 2, 2598-2606.	17.4	42
13	Rock-Salt Growth-Induced (003) Cracking in a Layered Positive Electrode for Li-Ion Batteries. ACS Energy Letters, 2017, 2, 2607-2615.	17.4	116
14	In-Situ TEM Study of Phase Evolution in Individual Battery Materials. Microscopy and Microanalysis, 2017, 23, 2008-2009.	0.4	0
15	The Intermediate State of the Layered → Spinel Phase Transformation in LiNi <sub>0.80</sub> Co <sub>0.15</sub> 0.05O <sub>2</sub> Cathode. Microscopy and Microanalysis, 2017, 23, 2014-2015.	0.4	1
16	Exceptional energy and new insight with a sodium–selenium battery based on a carbon nanosheet cathode and a pseudographite anode. Energy and Environmental Science, 2017, 10, 153-165.	30.8	184
17	An atomic study of the transitional region between γ/Ĵ³ laths in γ-TiAl. Intermetallics, 2015, 60, 13-18.	3.9	7