

# Haoyang Peng

## List of Publications by Year in descending order

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13  
papers

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citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	High-Voltage Cycling Induced Thermal Vulnerability in $\text{LiCoO}_2$ Cathode: Cation Loss and Oxygen Release Driven by Oxygen Vacancy Migration. <i>ACS Nano</i> , 2020, 14, 6181-6190.	7.3	144
2	Origin of the extra capacity in nitrogen-doped porous carbon nanofibers for high-performance potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18079-18086.	5.2	40
3	Molten-salt-assisted thermal emitting method to transform bulk $\text{Fe}_2\text{O}_3$ into Fe single atom catalysts for oxygen reduction reaction in Zn-air battery. <i>Chemical Engineering Journal</i> , 2021, 420, 129713.	6.6	26
4	Insight of reaction mechanism and anionic redox behavior for Li-rich and Mn-based oxide materials from local structure. <i>Nano Energy</i> , 2021, 83, 105812.	8.2	24
5	Enhanced lithiation dynamics in nanostructured $\text{Nb}_{18}\text{W}_{16}\text{O}_{93}$ anodes. <i>Journal of Power Sources</i> , 2021, 482, 228898.	4.0	15
6	Phase Transformation Induced Giant Deformation in Thermoelectric $\text{Ag}_2\text{Se}$ Semiconductor. <i>Advanced Functional Materials</i> , 2021, 31, 2106938.	7.8	13
7	A New Germanium-Based Anode Material with High Stability for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11883-11890.	3.2	12
8	The Coupling of Local Strain and $\text{K}^+$ Ion Release Induced Phase Transition Heterogeneity in Tunnel $\text{MnO}_2$ . <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11
9	Direct Visualization of Atomic-Scale Heterogeneous Structure Dynamics in $\text{MnO}_2$ Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 33644-33651.	4.0	9
10	Electroresistance in multipolar antiferroelectric $\text{Cu}_2\text{Se}$ semiconductor. <i>Nature Communications</i> , 2021, 12, 7207.	5.8	7
11	The High-Pressure Processed $\text{Cu}_2\text{S}$ : Phase Intergrowth with Strained Lamella Leading to an Improved Thermoelectric Performance. <i>Advanced Electronic Materials</i> , 2022, 8, 2100835.	2.6	5
12	Interfacial gliding-driven lattice oxygen release in layered cathodes. <i>Cell Reports Physical Science</i> , 2022, 3, 100695.	2.8	5
13	Serial cracking in Van der Waals layered electrodes mediated by electrochemical reaction and mechanical deformation. <i>Cell Reports Physical Science</i> , 2021, 2, 100642.	2.8	3