

Haoyang Peng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The High-Pressure Processed Cu ₂ S: Phase Intergrowth with Strained Lamella Leading to an Improved Thermoelectric Performance. <i>Advanced Electronic Materials</i> , 2022, 8, 2100835.	2.6	5
2	Interfacial gliding-driven lattice oxygen release in layered cathodes. <i>Cell Reports Physical Science</i> , 2022, 3, 100695.	2.8	5
3	The Coupling of Local Strain and K ⁺ Ion Release Induced Phase Transition Heterogeneity in Tunnel MnO ₂ . <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11
4	Enhanced lithiation dynamics in nanostructured Nb ₁₈ W ₁₆ O ₉₃ anodes. <i>Journal of Power Sources</i> , 2021, 482, 228898.	4.0	15
5	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
6	Direct Visualization of Atomic-Scale Heterogeneous Structure Dynamics in MnO ₂ Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33644-33651.	4.0	9
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	Molten-salt-assisted thermal emitting method to transform bulk Fe ₂ 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
9	Phase Transformation Induced Giant Deformation in Thermoelectric Ag ₂ Se Semiconductor. <i>Advanced Functional Materials</i> , 2021, 31, 2106938.	7.8	13
10	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
11	Electroresistance in multipolar antiferroelectric Cu ₂ Se semiconductor. <i>Nature Communications</i> , 2021, 12, 7207.	5.8	7
12	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
13	High-Voltage Cycling Induced Thermal Vulnerability in LiCoO ₂ Cathode: Cation Loss and Oxygen Release Driven by Oxygen Vacancy Migration. <i>ACS Nano</i> , 2020, 14, 6181-6190.	7.3	144