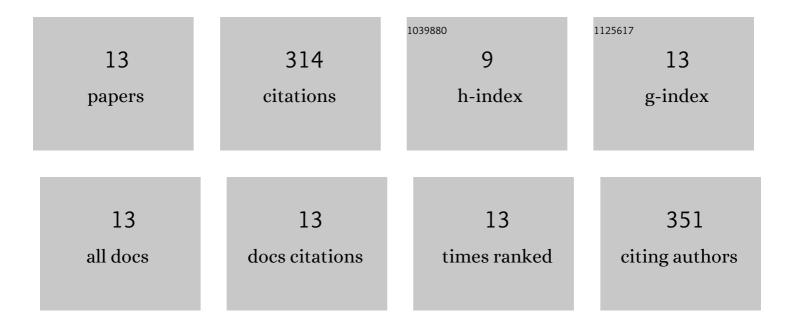
Haoyang Peng

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | High-Voltage Cycling Induced Thermal Vulnerability in LiCoO ₂ Cathode: Cation Loss and Oxygen Release Driven by Oxygen Vacancy Migration. ACS Nano, 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. Journal of Materials Chemistry A, 2020, 8, 18079-18086. | 5.2 | 40 |
| 3 | Molten-salt-assisted thermal emitting method to transform bulk Fe2O3 into Fe single atom catalysts for oxygen reduction reaction in Zn-air battery. Chemical Engineering Journal, 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. Nano Energy, 2021, 83, 105812. | 8.2 | 24 |
| 5 | Enhanced lithiation dynamics in nanostructured Nb18W16O93 anodes. Journal of Power Sources, 2021, 482, 228898. | 4.0 | 15 |
| 6 | Phaseâ€Transformationâ€Induced Giant Deformation in Thermoelectric Ag ₂ Se Semiconductor. Advanced Functional Materials, 2021, 31, 2106938. | 7.8 | 13 |
| 7 | A New Germanium-Based Anode Material with High Stability for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 11883-11890. | 3.2 | 12 |
| 8 | The Coupling of Local Strain and K ⁺ â€Ion Release Induced Phase Transition Heterogeneity in Tunnel MnO ₂ . Advanced Functional Materials, 2022, 32, . | 7.8 | 11 |
| 9 | Direct Visualization of Atomic-Scale Heterogeneous Structure Dynamics in MnO ₂ Nanowires. ACS Applied Materials & Interfaces, 2021, 13, 33644-33651. | 4.0 | 9 |
| 10 | Electroresistance in multipolar antiferroelectric Cu2Se semiconductor. Nature Communications, 2021, 12, 7207. | 5.8 | 7 |
| 11 | The Highâ€Pressure Processed Cu ₂ S: Phase Intergrowth with Strained Lamella Leading to an Improved Thermoelectric Performance. Advanced Electronic Materials, 2022, 8, 2100835. | 2.6 | 5 |
| 12 | Interfacial gliding-driven lattice oxygen release in layered cathodes. Cell Reports Physical Science, 2022, 3, 100695. | 2.8 | 5 |
| 13 | Serial cracking in Van der Waals layered electrodes mediated by electrochemical reaction and mechanical deformation. Cell Reports Physical Science, 2021, 2, 100642. | 2.8 | 3 |