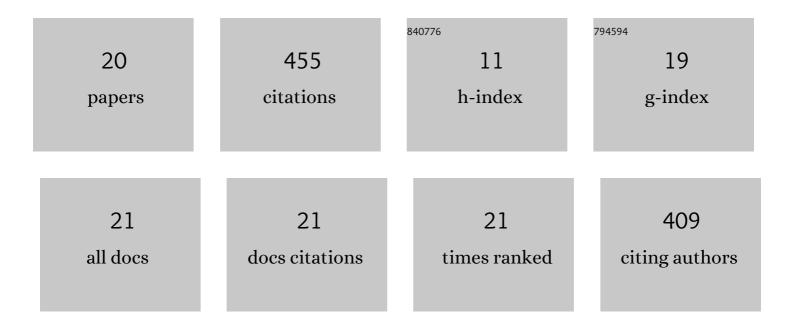
## Zhuangfei Zhang

List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | In situ Raman study of nickel bicarbonate for high-performance energy storage device. Nano Energy,<br>2019, 64, 103919.  | 16.0 | 112       |
| 2  | Robust VS <sub>4</sub> @rGO nanocomposite as a high-capacity and long-life cathode material for aqueous zinc-ion batteries. Nanoscale, 2021, 13, 12370-12378.  | 5.6  | 45        |
| 3  | Insight into faradaic mechanism of NiCo-CHH microspheres in high-performance Ni-Cu batteries.<br>Scripta Materialia, 2022, 215, 114691.  | 5.2  | 34        |
| 4  | Preparation of "natural―diamonds by HPHT annealing of synthetic diamonds. CrystEngComm, 2018, 20,<br>505-511.  | 2.6  | 30        |
| 5  | Bi and Sn Co-doping Enhanced Thermoelectric Properties of Cu <sub>3</sub> SbS <sub>4</sub><br>Materials with Excellent Thermal Stability. ACS Applied Materials & Interfaces, 2020, 12, 8271-8279.                         | 8.0  | 28        |
| 6  | Synthesis and characterization of HPHT large single-crystal diamonds under the simultaneous influence of oxygen and hydrogen. CrystEngComm, 2017, 19, 5727-5734.   | 2.6  | 26        |
| 7  | Pressure-induced photoluminescence enhancement and ambient retention in confined carbon dots.<br>Nano Research, 2022, 15, 2545-2551.   | 10.4 | 26        |
| 8  | Pressure-Induced Ultra-Broad-Band Emission of a Cs <sub>2</sub> AgBiBr <sub>6</sub> Perovskite Thin<br>Film. Journal of Physical Chemistry C, 2020, 124, 1732-1738.  | 3.1  | 25        |
| 9  | Synergistically enhanced sodium/potassium ion storage performance of SnSb alloy particles confined in three-dimensional carbon framework. Ionics, 2020, 26, 5019-5028.   | 2.4  | 23        |
| 10 | Regulating Na deposition by constructing a Au sodiophilic interphase on CNT modified carbon cloth for flexible sodium metal anode. Journal of Colloid and Interface Science, 2022, 611, 317-326.                           | 9.4  | 22        |
| 11 | Si Doping Effects on the Growth of Large Single-Crystal Diamond in a Ni-Based Metal Catalyst System<br>under High Pressure and High Temperature. Crystal Growth and Design, 2019, 19, 3955-3961.                           | 3.0  | 21        |
| 12 | Effects of aluminum additive on diamond crystallization in the Fe-Ni-C system under high temperature and high pressure conditions. Science China: Physics, Mechanics and Astronomy, 2012, 55, 781-785.                     | 5.1  | 10        |
| 13 | High Pressure and High Temperature Annealing of Ni-Containing, Nitrogen-rich Synthetic Diamonds<br>and the Formation of NE8 Centers. Crystal Growth and Design, 2020, 20, 3257-3263.                                       | 3.0  | 10        |
| 14 | Effects of Bi doping on thermoelectric properties of Cu2Se materials by high-pressure synthesis.<br>Applied Physics A: Materials Science and Processing, 2021, 127, 1.   | 2.3  | 9         |
| 15 | High-pressure high-temperature industrial preparation of micron-sized diamond single crystals with<br>silicon-vacancy colour centres. International Journal of Refractory Metals and Hard Materials, 2022,<br>105, 105806. | 3.8  | 9         |
| 16 | Effect of Ni <sub>2</sub> O <sub>3</sub> on diamond crystal growth in an Fe–Ni–C system under high temperature and high pressure. CrystEngComm, 2021, 23, 2809-2815.   | 2.6  | 8         |
| 17 | Off-stoichiometry effects on the thermoelectric properties of Cu <sub>2+δ</sub> Se (â^'0.1 ≤i>δ≤0.05) compounds synthesized by a high-pressure and high-temperature method. CrystEngComm, 2020, 22, 695-700.               | 2.6  | 7         |
| 18 | An effective method to improve the growth rate of large single crystal diamonds under HPHT processes: optimized design of the catalyst geometric construction. RSC Advances, 2019, 9, 32205-32209.                         | 3.6  | 6         |

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|----|---|-----|-----------|
| 19 | Raman electronic effect for nonâ€destructive boron calibration in type IIb semiconducting diamond.<br>Journal of Raman Spectroscopy, 2021, 52, 1446-1451. | 2.5 | 3         |
| 20 | Photoluminescence study of N-rich B-doped diamonds grown in NiMnCo solvent before and after annealing. CrystEngComm, 0, , .                               | 2.6 | 1         |