Zhuangfei Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2944587/publications.pdf

Version: 2024-02-01

20	455	840776 11	794594 19
papers	citations	h-index	g-index

21	21	21	409
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In situ Raman study of nickel bicarbonate for high-performance energy storage device. Nano Energy, 2019, 64, 103919.	16.0	112
2	Robust VS₄@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. Scripta Materialia, 2022, 215, 114691.	5.2	34
4	Preparation of â€œnaturalâ€•diamonds by HPHT annealing of synthetic diamonds. CrystEngComm, 2018, 20, 505-511.	2.6	30
5	Bi and Sn Co-doping Enhanced Thermoelectric Properties of Cu₃SbS₄ 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. Nano Research, 2022, 15, 2545-2551.	10.4	26
8	Pressure-Induced Ultra-Broad-Band Emission of a Cs₂AgBiBr₆ Perovskite Thin 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 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 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. 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 silicon-vacancy colour centres. International Journal of Refractory Metals and Hard Materials, 2022, 105, 105806.	3.8	9
16	Effect of Ni₂O₃ on diamond crystal growth in an Feâ€“Niâ€“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_{2+Î´}Se (â^'0.1 â‰¤ Î´ â‰¤ 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

#	Article	IF	Citations
19	Raman electronic effect for nonâ€destructive boron calibration in type IIb semiconducting diamond. 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