

Zhuangfei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

455
citations

840776

11
h-index

794594

19
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21
all docs

21
docs citations

21
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced photoluminescence enhancement and ambient retention in confined carbon dots. <i>Nano Research</i> , 2022, 15, 2545-2551.	10.4	26
2	Regulating Na deposition by constructing a Au sodiophilic interphase on CNT modified carbon cloth for flexible sodium metal anode. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 317-326.	9.4	22
3	High-pressure high-temperature industrial preparation of micron-sized diamond single crystals with silicon-vacancy colour centres. <i>International Journal of Refractory Metals and Hard Materials</i> , 2022, 105, 105806.	3.8	9
4	Insight into faradaic mechanism of NiCo-CHH microspheres in high-performance Ni-Cu batteries. <i>Scripta Materialia</i> , 2022, 215, 114691.	5.2	34
5	Effect of Ni ₂ O ₃ on diamond crystal growth in an Fe-Ni-C system under high temperature and high pressure. <i>CrystEngComm</i> , 2021, 23, 2809-2815.	2.6	8
6	Robust VS ₄ @rGO nanocomposite as a high-capacity and long-life cathode material for aqueous zinc-ion batteries. <i>Nanoscale</i> , 2021, 13, 12370-12378.	5.6	45
7	Raman electronic effect for non-destructive boron calibration in type IIb semiconducting diamond. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 1446-1451.	2.5	3
8	Effects of Bi doping on thermoelectric properties of Cu ₂ Se materials by high-pressure synthesis. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	9
9	Off-stoichiometry effects on the thermoelectric properties of Cu _{2+δ} Se ($\delta \sim 0.1$ to 0.05) compounds synthesized by a high-pressure and high-temperature method. <i>CrystEngComm</i> , 2020, 22, 695-700.	2.6	7
10	Pressure-Induced Ultra-Broad-Band Emission of a Cs ₂ AgBiBr ₆ Perovskite Thin Film. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1732-1738.	3.1	25
11	Synergistically enhanced sodium/potassium ion storage performance of SnSb alloy particles confined in three-dimensional carbon framework. <i>Ionics</i> , 2020, 26, 5019-5028.	2.4	23
12	Bi and Sn Co-doping Enhanced Thermoelectric Properties of Cu ₃ SbS ₄ Materials with Excellent Thermal Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8271-8279.	8.0	28
13	High Pressure and High Temperature Annealing of Ni-Containing, Nitrogen-rich Synthetic Diamonds and the Formation of NE8 Centers. <i>Crystal Growth and Design</i> , 2020, 20, 3257-3263.	3.0	10
14	In situ Raman study of nickel bicarbonate for high-performance energy storage device. <i>Nano Energy</i> , 2019, 64, 103919.	16.0	112
15	Si Doping Effects on the Growth of Large Single-Crystal Diamond in a Ni-Based Metal Catalyst System under High Pressure and High Temperature. <i>Crystal Growth and Design</i> , 2019, 19, 3955-3961.	3.0	21
16	An effective method to improve the growth rate of large single crystal diamonds under HPHT processes: optimized design of the catalyst geometric construction. <i>RSC Advances</i> , 2019, 9, 32205-32209.	3.6	6
17	Preparation of "natural" diamonds by HPHT annealing of synthetic diamonds. <i>CrystEngComm</i> , 2018, 20, 505-511.	2.6	30
18	Synthesis and characterization of HPHT large single-crystal diamonds under the simultaneous influence of oxygen and hydrogen. <i>CrystEngComm</i> , 2017, 19, 5727-5734.	2.6	26

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19	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
20	Photoluminescence study of N-rich B-doped diamonds grown in NiMnCo solvent before and after annealing. CrystEngComm, 0, , .	2.6	1