

Chengjie Lu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,030
citations

686830

13
h-index

752256

20
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21
all docs

21
docs citations

21
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the dual-roles of alloying elements in the growth of Sn whiskers. <i>Journal of Materials Science and Technology</i> , 2022, 117, 65-71.	5.6	2
2	Surface Selenization Strategy for V ₂ CT _x MXene toward Superior Zn-Ion Storage. <i>ACS Nano</i> , 2022, 16, 2711-2720.	7.3	71
3	Growth kinetics of tin whiskers in Ti ₂ SnC phase. <i>Applied Surface Science</i> , 2022, 589, 152906.	3.1	1
4	Realizing Interfacial Electron/Hole Redistribution and Superhydrophilic Surface through Building Heterostructural 2Ånm Co _{0.85} Se@NiSe Nanograins for Efficient Overall Water Splittings. <i>Small Methods</i> , 2022, 6, e2200459.	4.6	14
5	Isotope study reveals atomic motion mechanism for the formation of metal whiskers in MAX phase. <i>Acta Materialia</i> , 2021, 203, 116475.	3.8	15
6	Effect of Cultivation Conditions on Tin Whisker Growth on Ti ₂ SnC. <i>Journal of Electronic Materials</i> , 2021, 50, 1083-1089.	1.0	4
7	Selenic Acid Etching Assisted Vacancy Engineering for Designing Highly Active Electrocatalysts toward the Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2021, 33, e2007523.	11.1	116
8	MXene-Derived Ti _n O ₂ Quantum Dots Distributed on Porous Carbon Nanosheets for Stable and Long-Life Li-S Batteries: Enhanced Polysulfide Mediation via Defect Engineering. <i>Advanced Materials</i> , 2021, 33, e2008447.	11.1	115
9	Interface energy-driven indium whisker growth on ceramic substrates. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16881-16888.	1.1	5
10	Bilayered VOPO ₄ ·xH ₂ O Nanosheets with High Concentration Oxygen Vacancies for High-Performance Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2106816.	7.8	104
11	Principles of interlayer-spacing regulation of layered vanadium phosphates for superior zinc-ion batteries. <i>Energy and Environmental Science</i> , 2021, 14, 4095-4106.	15.6	121
12	Bilayered VOPO ₄ ·xH ₂ O Nanosheets with High Concentration Oxygen Vacancies for High-Performance Aqueous Zinc-Ion Batteries (Adv. Funct. Mater. 45/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170335.	7.8	3
13	Mechanisms behind the spontaneous growth of Tin whiskers on the Ti ₂ SnC ceramics. <i>Acta Materialia</i> , 2020, 185, 433-440.	3.8	34
14	Oxygen/sulfur decorated 2D MXene V ₂ C for promising lithium ion battery anodes. <i>Materials Today Communications</i> , 2020, 22, 100713.	0.9	27
15	Ultrathin VSe ₂ Nanosheets with Fast Ion Diffusion and Robust Structural Stability for Rechargeable Zinc-Ion Battery Cathode. <i>Small</i> , 2020, 16, e2000698.	5.2	154
16	Nitrogen-Doped Ti ₃ C ₂ MXene: Mechanism Investigation and Electrochemical Analysis. <i>Advanced Functional Materials</i> , 2020, 30, 2000852.	7.8	166
17	The anisotropic oxidation behaviors of Ti ₂ AlC ceramics: a DFT study. <i>Materials Research Express</i> , 2019, 6, 115213.	0.8	2
18	Substitution behavior of Si atoms in the Ti ₂ AlC ceramics. <i>Acta Materialia</i> , 2018, 144, 543-551.	3.8	26

#	ARTICLE	IF	CITATIONS
19	Brazing mechanisms of the Ti ₂ AlC joints using a pure Al filler metal. Ceramics International, 2017, 43, 8579-8584.	2.3	13
20	Substitution behavior of Ag atoms in the Ti ₂ AlC ceramic. Journal of the American Ceramic Society, 2017, 100, 732-738.	1.9	12
21	Microstructure evolution and brazing mechanisms of the Ti ₂ AlC/Ni joints using nickel based filler alloy. Journal of the European Ceramic Society, 2016, 36, 3319-3327.	2.8	25