Chengjie Lu

List of Publications by Year
in descending order

21 papers	1,030 citations	686830 13 h-index	752256 20 g-index
21 all docs	21 docs citations	21 times ranked	854 citing authors

#	Article	IF	Citations
1	Nitrogenâ€Doped Ti₃C₂ MXene: Mechanism Investigation and Electrochemical Analysis. Advanced Functional Materials, 2020, 30, 2000852.	7.8	166
2	Ultrathin VSe₂ Nanosheets with Fast Ion Diffusion and Robust Structural Stability for Rechargeable Zincâ€Ion Battery Cathode. Small, 2020, 16, e2000698.	5.2	154
3	Principles of interlayer-spacing regulation of layered vanadium phosphates for superior zinc-ion batteries. Energy and Environmental Science, 2021, 14, 4095-4106.	15.6	121
4	Selenic Acid Etching Assisted Vacancy Engineering for Designing Highly Active Electrocatalysts toward the Oxygen Evolution Reaction. Advanced Materials, 2021, 33, e2007523.	11.1	116
5	MXeneâ€Derived Ti<i>_n</i>O₂<i>_{nâˆ’}</i>₁ Quantum Dots Distributed on Porous Carbon Nanosheets for Stable and Longâ€Life Liâ€"S Batteries: Enhanced Polysulfide Mediation via Defect Engineering. Advanced Materials, 2021, 33, e2008447.	11.1	115
6	Bilayered VOPO₄â‹…2H₂O Nanosheets with Highâ€Concentration Oxygen Vacancies for Highâ€Performance Aqueous Zincâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2106816.	7.8	104
7	Surface Selenization Strategy for V₂CT_{<i>x</i>} MXene toward Superior Zn-Ion Storage. ACS Nano, 2022, 16, 2711-2720.	7.3	71
8	Mechanisms behind the spontaneous growth of Tin whiskers on the Ti2SnC ceramics. Acta Materialia, 2020, 185, 433-440.	3.8	34
9	Oxygen/sulfur decorated 2D MXene V2C for promising lithium ion battery anodes. Materials Today Communications, 2020, 22, 100713.	0.9	27
10	Substitution behavior of Si atoms in the Ti2AlC ceramics. Acta Materialia, 2018, 144, 543-551.	3.8	26
11	Microstructure evolution and brazing mechanisms of the Ti2AlC/Ni joints using nickel based filler alloy. Journal of the European Ceramic Society, 2016, 36, 3319-3327.	2.8	25
12	Isotope study reveals atomic motion mechanism for the formation of metal whiskers in MAX phase. Acta Materialia, 2021, 203, 116475.	3.8	15
13	Realizing Interfacial Electron/Hole Redistribution and Superhydrophilic Surface through Building Heterostructural 2Ânm Co_{0.85}Seâ€NiSe Nanograins for Efficient Overall Water Splittings. Small Methods, 2022, 6, e2200459.	4.6	14
14	Brazing mechanisms of the Ti 2 AlC joints using a pure Al filler metal. Ceramics International, 2017, 43, 8579-8584.	2.3	13
15	Substitution behavior of Ag atoms in the Ti₂AlC ceramic. Journal of the American Ceramic Society, 2017, 100, 732-738.	1.9	12
16	Interface energy-driven indium whisker growth on ceramic substrates. Journal of Materials Science: Materials in Electronics, 2021, 32, 16881-16888.	1.1	5
17	Effect of Cultivation Conditions on Tin Whisker Growth on Ti2SnC. Journal of Electronic Materials, 2021, 50, 1083-1089.	1.0	4
18	Bilayered VOPO₄â‹…2H₂O Nanosheets with Highâ€Concentration Oxygen Vacancies for Highâ€Performance Aqueous Zincâ€Ion Batteries (Adv. Funct. Mater. 45/2021). Advanced Functional Materials, 2021, 31, 2170335.	7.8	3

#	Article	IF	Citations
19	The anisotropic oxidation behaviors of Ti2AlC ceramics: a DFT study. Materials Research Express, 2019, 6, 115213.	0.8	2
20	Insights into the dual-roles of alloying elements in the growth of Sn whiskers. Journal of Materials Science and Technology, 2022, 117, 65-71.	5.6	2
21	Growth kinetics of tin whiskers in Ti2SnC phase. Applied Surface Science, 2022, 589, 152906.	3.1	1