

Xin Fu Tan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

231
citations

1163117

8
h-index

1058476

14
g-index

23
all docs

23
docs citations

23
times ranked

341
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic insights into the ordered solid solutions of Ni and Au in $\hat{\text{I}}\text{-Cu}_6\text{Sn}_5$. Acta Materialia, 2022, 224, 117513.	7.9	3
2	In Situ Observation of Liquid Solder Alloys and Solid Substrate Reactions Using High-Voltage Transmission Electron Microscopy. Materials, 2022, 15, 510.	2.9	3
3	The Effects of Temperature and Solute Diffusion on Volume Change in Sn-Bi Solder Alloys. Jom, 2022, 74, 1739-1750.	1.9	8
4	Systematic investigation of the effect of Ni concentration in Cu-xNi/Sn couples for high temperature soldering. Acta Materialia, 2022, 226, 117661.	7.9	14
5	Evaluation of silicon effects on abrasion performance, microstructure and crystalline structure of NiHard-4 white cast iron using synchrotron X-ray diffraction. Materialia, 2022, 21, 101332.	2.7	2
6	Hydrogen sorption behaviour of Mg-5wt.%La alloys after the initial hydrogen absorption process. International Journal of Hydrogen Energy, 2022, 47, 16132-16143.	7.1	7
7	Na-modified cast hypo-eutectic Mg $\hat{\text{e}}$ "Mg ₂ Si alloys for solid-state hydrogen storage. Journal of Power Sources, 2022, 538, 231538.	7.8	10
8	Comparison of the Mechanical Properties of Conventional Pb-free Solders and Eutectic Sn-Bi Solder. , 2022, , .		2
9	Interfacial reactions between Ga and Cu-xNi (x=0, 2, 6, 10, 14) substrates and the strength of Cu-xNi/Ga/Cu-xNi joints. Intermetallics, 2021, 133, 107168.	3.9	6
10	Rapid fabrication of tin-copper anodes for lithium-ion battery applications. Journal of Alloys and Compounds, 2021, 867, 159031.	5.5	9
11	Evidence of Copper Separation in Lithiated Cu ₆ /Sn ₅ Lithium-Ion Battery Anodes. ACS Applied Energy Materials, 2020, 3, 141-145.	5.1	14
12	Electrochemically enhanced Cu ₆ Sn ₅ anodes with tailored crystal orientation and ordered atomic arrangements for lithium-ion battery applications. Acta Materialia, 2020, 201, 341-349.	7.9	5
13	The Effects of Trace Sb and Zn Additions on Cu ₆ Sn ₅ Lithium-Ion Battery Anodes. Journal of Nanoscience and Nanotechnology, 2020, 20, 5182-5191.	0.9	3
14	The effects of Ni on inhibiting the separation of Cu during the lithiation of Cu ₆ Sn ₅ lithium-ion battery anodes. Journal of Power Sources, 2019, 440, 227085.	7.8	12
15	<i>In-Situ</i> Observation of the Continuous Phase Transition in Determining the High Thermoelectric Performance of Polycrystalline Sn _{0.98} Se. Journal of Physical Chemistry Letters, 2019, 10, 6512-6517.	4.6	32
16	Characterisation of lithium-ion battery anodes fabricated via in-situ Cu ₆ Sn ₅ growth on a copper current collector. Journal of Power Sources, 2019, 415, 50-61.	7.8	34
17	Temperature dependency of the growth rate of (Cu,Ni) ₆ Sn ₅ on Cu-xNi substrates. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012007.	0.6	3
18	In Situ Techniques for Developing Robust Li $\hat{\text{e}}$ "S Batteries. Small Methods, 2018, 2, 1800133.	8.6	41

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19	Effect of trace Na additions on the hydriding kinetics of hypo-eutectic Mg-Ni alloys. International Journal of Hydrogen Energy, 2017, 42, 6851-6861.	7.1	10
20	Effect of impurity N ₂ concentration on the hydriding kinetics of Na-doped Mg-Ni alloys. International Journal of Hydrogen Energy, 2017, 42, 366-375.	7.1	2
21	Systems based on hypo-eutectic Mg-Mg ₂ Ni alloys for medium to large scale hydrogen storage and delivery. Journal of Alloys and Compounds, 2013, 580, S329-S332.	5.5	9
22	Cobalt-doped Cu ₆ Sn ₅ lithium-ion battery anodes with enhanced electrochemical properties. Nano Select, 0, , .	3.7	2