

Jizi Liu

List of Publications by Year in descending order

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18
papers

1,853
citations

687363

13
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

3110
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional antimonene single crystals grown by van der Waals epitaxy. <i>Nature Communications</i> , 2016, 7, 13352.	12.8	798
2	Achieving High Thermoelectric Figure of Merit in Polycrystalline SnSe via Introducing Sn Vacancies. <i>Journal of the American Chemical Society</i> , 2018, 140, 499-505.	13.7	180
3	Understanding the Activity of Co ₄ C in Atomic Metal Catalysts for Oxygen Reduction Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6122-6127.	13.8	156
4	A monoclinic polymorph of sodium birnessite for ultrafast and ultrastable sodium ion storage. <i>Nature Communications</i> , 2018, 9, 5100.	12.8	142
5	Single Carbon Vacancy Traps Atomic Platinum for Hydrogen Evolution Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 2171-2178.	13.7	140
6	A medium-range structure motif linking amorphous and crystalline states. <i>Nature Materials</i> , 2021, 20, 1347-1352.	27.5	92
7	Ultrathin Cs ₃ Bi ₂ I ₉ Nanosheets as an Electronic Memory Material for Flexible Memristors. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700131.	3.7	90
8	Understanding the Activity of Co ₄ C in Atomic Metal Catalysts for Oxygen Reduction Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 6178-6183.	2.0	47
9	Nanostructured SnSe integrated with Se quantum dots with ultrahigh power factor and thermoelectric performance from magnetic field-assisted hydrothermal synthesis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15757-15765.	10.3	45
10	Atomic Cobalt on Defective Bimodal Mesoporous Carbon toward Efficient Oxygen Reduction for Zinc-Air Batteries. <i>Small Methods</i> , 2019, 3, 1800450.	8.6	45
11	Breaking Material Property Trade-offs via Macrodesign of Microstructure. <i>Nano Letters</i> , 2021, 21, 3191-3197.	9.1	41
12	Formation of solute nanostructures in an Al-Zn-Mg alloy during long-term natural aging. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153572.	5.5	33
13	Thermoelectric performance of nanostructured In/Pb codoped SnTe with band convergence and resonant level prepared via a green and facile hydrothermal method. <i>Nanoscale</i> , 2020, 12, 5857-5865.	5.6	21
14	The Influence of Microstructural Heterogeneity on Mechanical Properties of Friction Stir Welded Joints of T6-Treated Al-Zn-Mg Alloy 7A52. <i>Metals</i> , 2018, 8, 527.	2.3	10
15	The Influence of Pre- and Post-Heat Treatment on Mechanical Properties and Microstructures in Friction Stir Welding of Dissimilar Age-Hardenable Aluminum Alloys. <i>Metals</i> , 2019, 9, 1162.	2.3	6
16	Strengthening Al-Zn-Mg Alloys via Ultra-Fine Lamella Structures Containing a High Density of Dislocations and Clusters. <i>Metals</i> , 2019, 9, 140.	2.3	2
17	Revealing Solute Clusters in Coalescence by Atom Probe Tomography Analysis. <i>Microscopy and Microanalysis</i> , 2020, 26, 1079-1087.	0.4	2
18	Effect of Rolling Temperature on Microstructural Characteristics and Deformation Mechanisms of a Metastable Austenitic Stainless Steel. <i>Steel Research International</i> , 0, , .	1.8	1