

Jixue Li

List of Publications by Year in descending order

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33
papers

1,957
citations

394421

19
h-index

395702

33
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33
all docs

33
docs citations

33
times ranked

2911
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning element distribution, structure and properties by composition in high-entropy alloys. Nature, 2019, 574, 223-227.	27.8	874
2	Reaction and Capacity-Fading Mechanisms of Tin Nanoparticles in Potassium-Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 12652-12657.	3.1	150
3	Facile synthesis of g-C ₃ N ₄ nanosheets loaded with WO ₃ nanoparticles with enhanced photocatalytic performance under visible light irradiation. RSC Advances, 2017, 7, 24097-24104.	3.6	102
4	In situ atomistic observation of disconnection-mediated grain boundary migration. Nature Communications, 2019, 10, 156.	12.8	98
5	Element-resolved atomic structure imaging of rocksalt Ge ₂ Sb ₂ Te ₅ phase-change material. Applied Physics Letters, 2016, 108, .	3.3	89
6	An In situ TEM study of the surface oxidation of palladium nanocrystals assisted by electron irradiation. Nanoscale, 2017, 9, 6327-6333.	5.6	68
7	The structure determination of Al ₂₀ Cu ₂ Mn ₃ by near atomic resolution chemical mapping. Journal of Alloys and Compounds, 2014, 601, 25-30.	5.5	67
8	Atomic-scale mechanism of the ϵ - ϵ' - ϵ^2 phase transformation in Al-Cu alloys. Journal of Materials Science and Technology, 2017, 33, 1159-1164.	10.7	63
9	Creation of Brønsted acid sites on Sn-based solid catalysts for the conversion of biomass. Journal of Materials Chemistry A, 2014, 2, 3725.	10.3	48
10	Consecutive crystallographic reorientations and superplasticity in body-centered cubic niobium nanowires. Science Advances, 2018, 4, eaas8850.	10.3	46
11	Mesoporous Fe ₂ O ₃ flakes of high aspect ratio encased within thin carbon skeleton for superior lithium-ion battery anodes. Journal of Materials Chemistry A, 2015, 3, 14178-14187.	10.3	40
12	In-situ environmental TEM study of ϵ^2 - ϵ^3 phase transformation induced by oxidation in a nickel-based single crystal superalloy. Journal of Alloys and Compounds, 2015, 651, 255-258.	5.5	29
13	Deriving phosphorus atomic chains from few-layer black phosphorus. Nano Research, 2017, 10, 2519-2526.	10.4	26
14	Possible structural origin of superconductivity in Sr-doped Bi_2Te_3 . Bi_2Te_3 is a topological material with a band structure that is very similar to that of Sb_2Te_3 . Bi_2Te_3 is a topological material with a band structure that is very similar to that of Sb_2Te_3 .	2.4	23
15	Physi Twinning-assisted dynamic adjustment of grain boundary mobility. Nature Communications, 2021, 12, 6695.	12.8	23
16	Direct observation of Pt nanocrystal coalescence induced by electron-excitation-enhanced van der Waals interactions. Nano Research, 2014, 7, 308-314.	10.4	22
17	Discrete shear band plasticity through dislocation activities in body-centered cubic tungsten nanowires. Scientific Reports, 2018, 8, 4574.	3.3	22
18	Superplasticity in Gold Nanowires through the Operation of Multiple Slip Systems. Advanced Functional Materials, 2018, 28, 1805258.	14.9	21

#	ARTICLE	IF	CITATIONS
19	BaZrO ₃ hollow nanostructure with Fe (III) doping for photocatalytic hydrogen evolution under visible light. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9224-9232.	7.1	19
20	Cubic-like BaZrO ₃ nanocrystals with exposed {001}/{011} facets and tuned electronic band structure for enhanced photocatalytic hydrogen production. <i>Journal of Materials Science</i> , 2019, 54, 1967-1976.	3.7	19
21	Single-Crystal BiFeO ₃ Nanoplates with Robust Antiferromagnetism. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5785-5792.	8.0	15
22	Organic-Organic Hybrid g-C ₃ N ₄ /Ethylenediamine Nanosheets for Photocatalytic H ₂ Evolution. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24725-24731.	3.1	15
23	Interlayer Coupling Dependent Discrete H ⁺ T ² Phase Transition in Lithium Intercalated Bilayer Molybdenum Disulfide. <i>ACS Nano</i> , 2021, 15, 15039-15046.	14.6	15
24	In situ observation of sublimation-enhanced magnesium oxidation at elevated temperature. <i>Nano Research</i> , 2016, 9, 2796-2802.	10.4	14
25	Effect of Bismuth Oxide on the Microstructure and Electrical Conductivity of Yttria Stabilized Zirconia. <i>Sensors</i> , 2016, 16, 369.	3.8	8
26	Hybrid CN-MEA microplates with enhanced photocatalytic hydrogen evolution under visible light irradiation. <i>Catalysis Science and Technology</i> , 2017, 7, 3777-3784.	4.1	8
27	Reversible H-T ² phase transition in monolayer molybdenum disulfide via electron beam assisted solid state lithiation/delithiation. <i>Applied Physics Letters</i> , 2020, 116, 033103.	3.3	7
28	Catalytic reduction of NO _x by CO over a Ni-Ga based oxide catalyst. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15133-15140.	10.3	6
29	Pattern-Potential-Guided Growth of Textured Macromolecular Films on Graphene/High-Index Copper. <i>Advanced Materials</i> , 2021, 33, e2006836.	21.0	6
30	Towards quantitative mapping of the charge distribution along a nanowire by in-line electron holography. <i>Ultramicroscopy</i> , 2018, 194, 126-132.	1.9	5
31	Growth and structural characterisation of Sr-doped Bi ₂ Se ₃ thin films. <i>Scientific Reports</i> , 2018, 8, 2192.	3.3	3
32	Post-synthesis Tellurium Doping Induced Mirror Twin Boundaries in Monolayer Molybdenum Disulfide. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4758.	2.5	3
33	Combined effect of Sn addition and pre-ageing on natural secondary and artificial ageing of Al-Mg-Si alloys. <i>Journal of Materials Science</i> , 2022, 57, 2149-2162.	3.7	3