

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	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
2	Pattern-Potential-Guided Growth of Textured Macromolecular Films on Graphene/High-Index Copper. <i>Advanced Materials</i> , 2021, 33, e2006836.	21.0	6
3	Interlayer Coupling Dependent Discrete H ⁺ Phase Transition in Lithium Intercalated Bilayer Molybdenum Disulfide. <i>ACS Nano</i> , 2021, 15, 15039-15046.	14.6	15
4	Twinning-assisted dynamic adjustment of grain boundary mobility. <i>Nature Communications</i> , 2021, 12, 6695.	12.8	23
5	Post-synthesis Tellurium Doping Induced Mirror Twin Boundaries in Monolayer Molybdenum Disulfide. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4758.	2.5	3
6	Reversible H ⁺ 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
7	Tuning element distribution, structure and properties by composition in high-entropy alloys. <i>Nature</i> , 2019, 574, 223-227.	27.8	874
8	In situ atomistic observation of disconnection-mediated grain boundary migration. <i>Nature Communications</i> , 2019, 10, 156.	12.8	98
9	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
10	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
11	Growth and structural characterisation of Sr-doped Bi ₂ Se ₃ thin films. <i>Scientific Reports</i> , 2018, 8, 2192.	3.3	3
12	Single-Crystal BiFeO ₃ Nanoplates with Robust Antiferromagnetism. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5785-5792.	8.0	15
13	Discrete shear band plasticity through dislocation activities in body-centered cubic tungsten nanowires. <i>Scientific Reports</i> , 2018, 8, 4574.	3.3	22
14	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
15	Superplasticity in Gold Nanowires through the Operation of Multiple Slip Systems. <i>Advanced Functional Materials</i> , 2018, 28, 1805258.	14.9	21
16	Consecutive crystallographic reorientations and superplasticity in body-centered cubic niobium nanowires. <i>Science Advances</i> , 2018, 4, eaas8850.	10.3	46
17	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
18	Possible structural origin of superconductivity in Sr-doped $B_{i-2x}S_x$ Physic	2.4	23

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19	Atomic-scale mechanism of the $\hat{\Gamma}_3^3 \rightarrow \hat{\Gamma}_4^2$ phase transformation in Al-Cu alloys. Journal of Materials Science and Technology, 2017, 33, 1159-1164.	10.7	63
20	An In situ TEM study of the surface oxidation of palladium nanocrystals assisted by electron irradiation. Nanoscale, 2017, 9, 6327-6333.	5.6	68
21	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
22	Reaction and Capacity-Fading Mechanisms of Tin Nanoparticles in Potassium-Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 12652-12657.	3.1	150
23	Deriving phosphorus atomic chains from few-layer black phosphorus. Nano Research, 2017, 10, 2519-2526.	10.4	26
24	Hybrid CN-MEA microplates with enhanced photocatalytic hydrogen evolution under visible light irradiation. Catalysis Science and Technology, 2017, 7, 3777-3784.	4.1	8
25	Effect of Bismuth Oxide on the Microstructure and Electrical Conductivity of Yttria Stabilized Zirconia. Sensors, 2016, 16, 369.	3.8	8
26	Element-resolved atomic structure imaging of rocksalt Ge ₂ Sb ₂ Te ₅ phase-change material. Applied Physics Letters, 2016, 108, .	3.3	89
27	In situ observation of sublimation-enhanced magnesium oxidation at elevated temperature. Nano Research, 2016, 9, 2796-2802.	10.4	14
28	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
29	Catalytic reduction of NO _x by CO over a Ni-Ga based oxide catalyst. Journal of Materials Chemistry A, 2015, 3, 15133-15140.	10.3	6
30	In-situ environmental TEM study of $\hat{\Gamma}_3^3 \rightarrow \hat{\Gamma}_4^2$ phase transformation induced by oxidation in a nickel-based single crystal superalloy. Journal of Alloys and Compounds, 2015, 651, 255-258.	5.5	29
31	Direct observation of Pt nanocrystal coalescence induced by electron-excitation-enhanced van der Waals interactions. Nano Research, 2014, 7, 308-314.	10.4	22
32	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
33	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