

Liang Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2291756/publications.pdf>

Version: 2024-02-01

30
papers

1,445
citations

471509

17
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1956
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient blue light-emitting diodes based on quantum-confined bromide perovskite nanostructures. <i>Nature Photonics</i> , 2019, 13, 760-764.	31.4	483
2	Effect of residual stresses on the hardness of bulk metallic glasses. <i>Acta Materialia</i> , 2011, 59, 2858-2864.	7.9	105
3	Silica Restricting the Sulfur Volatilization of Nickel Sulfide for High-Performance Lithium-ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901153.	19.5	94
4	Efficient and large-area all vacuum-deposited perovskite light-emitting diodes via spatial confinement. <i>Nature Communications</i> , 2021, 12, 4751.	12.8	90
5	Mechanical response and deformation behavior of Al _{0.6} CoCrFeNi high-entropy alloys upon dynamic loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 727, 208-213.	5.6	84
6	Efficient Blue Light Emitting Diodes Based On Europium Halide Perovskites. <i>Advanced Materials</i> , 2021, 33, e2101903.	21.0	71
7	An inorganic salt reinforced Zn ²⁺ -conducting solid-state electrolyte for ultra-stable Zn metal batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22287-22295.	10.3	62
8	An electrochemically stable homogeneous glassy electrolyte formed at room temperature for all-solid-state sodium batteries. <i>Nature Communications</i> , 2022, 13, .	12.8	62
9	Precipitation and micromechanical behavior of the coherent ordered nanoprecipitation strengthened Al-Cr-Fe-Ni-V high entropy alloy. <i>Acta Materialia</i> , 2021, 216, 117121.	7.9	51
10	Dynamic compressive deformation and failure behavior of Zr-based metallic glass reinforced porous tungsten composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 445-446, 275-280.	5.6	46
11	Lightweight Zr _{1.2} V _{0.8} NbTi Al high-entropy alloys with high tensile strength and ductility. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 814, 141234.	5.6	37
12	In-situ scattering study of a liquid-liquid phase transition in Fe-B-Nb-Y supercooled liquids and its correlation with glass-forming ability. <i>Journal of Alloys and Compounds</i> , 2019, 787, 831-839.	5.5	29
13	Strength-improved Zr-based metallic glass/porous tungsten phase composite by hydrostatic extrusion. <i>Applied Physics Letters</i> , 2007, 90, 081901.	3.3	28
14	Abundant polymorphic transitions in the Al _{0.6} CoCrFeNi high-entropy alloy. <i>Materials Today Physics</i> , 2019, 8, 1-9.	6.0	27
15	Confined seeds derived sodium titanate/graphene composite with synergistic storage ability toward high performance sodium ion capacitors. <i>Chemical Engineering Journal</i> , 2020, 379, 122418.	12.7	23
16	A novel stress-induced martensitic transformation in a single-phase refractory high-entropy alloy. <i>Scripta Materialia</i> , 2020, 189, 129-134.	5.2	23
17	Evolution of residual stress, free volume, and hardness in the laser shock peened Ti-based metallic glass. <i>Materials and Design</i> , 2016, 111, 473-481.	7.0	22
18	A strategy to achieve high-strength WNiFe composite-like alloys with low W content by laser melting deposition. <i>Materials and Design</i> , 2020, 190, 108554.	7.0	18

#	ARTICLE	IF	CITATIONS
19	Lattice distortion and stability of (Co _{0.2} Cu _{0.2} Mg _{0.2} Ni _{0.2} Zn _{0.2})O high-entropy oxide under high pressure. <i>Materials Today Advances</i> , 2020, 8, 100102.	5.2	15
20	Fabrication of speckle patterns by focused ion beam deposition and its application to micro-scale residual stress measurement. <i>Measurement Science and Technology</i> , 2015, 26, 095601.	2.6	14
21	Studies of intergranular and intragranular stresses in cold-rolled CuNiSi alloys. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152896.	5.5	12
22	Mechanical, corrosion and magnetic behavior of a CoFeMn _{1.2} NiGa _{0.8} high entropy alloy. <i>Journal of Materials Science and Technology</i> , 2021, 73, 139-144.	10.7	11
23	High susceptibility to adiabatic shear banding and high dynamic strength in tungsten heavy alloys with a high-entropy alloy matrix. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157796.	5.5	9
24	Nanoindentation response of laser shock peened Ti-based bulk metallic glass. <i>AIP Advances</i> , 2015, 5, .	1.3	9
25	In-situ synchrotron X-ray diffraction study of dual-step strain variation in laser shock peened metallic glasses. <i>Scripta Materialia</i> , 2018, 149, 112-116.	5.2	4
26	In-situ investigation via high energy X-ray diffraction of stress-induced (0002) \rightarrow (110) \rightarrow transformation in a Ti-5.5Mo-7.2Al-4.5Zr-2.6Sn-2.1Cr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 779, 139154.	5.6	4
27	Unravel unusual hardening behavior of a Pd-Ni-P metallic glass in its supercooled liquid region. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	4
28	Enhancement of mechanical properties in FeCo magnetostrictive alloys with an addition of NiMn. <i>Intermetallics</i> , 2021, 131, 107128.	3.9	4
29	Remarkable ductility in metastable refractory high entropy alloys via BCC-FCC \rightarrow martensitic transformations. <i>Applied Physics Letters</i> , 2021, 119, 151902.	3.3	3
30	Development of Fe ₁₀₀ -(NiCoMn) magnetostrictive alloys with good mechanical properties. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151931.	5.5	1