

Ningning Liang

List of Publications by Year in descending order

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32
papers

1,108
citations

394421

19
h-index

414414

32
g-index

32
all docs

32
docs citations

32
times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for Improving Tensile Ductility of Bulk Nanostructured Materials. <i>Advanced Engineering Materials</i> , 2010, 12, 769-778.	3.5	156
2	Grain size effect on tensile properties and slip systems of pure magnesium. <i>Acta Materialia</i> , 2021, 206, 116604.	7.9	127
3	Defects in Silicene: Vacancy Clusters, Extended Line Defects and Di-adatoms. <i>Scientific Reports</i> , 2015, 5, 7881.	3.3	92
4	Ultrastrong low-carbon nanosteel produced by heterostructure and interstitial mediated warm rolling. <i>Science Advances</i> , 2020, 6, .	10.3	75
5	Enhanced electrical conductivity and mechanical properties in thermally stable fine-grained copper wire. <i>Communications Materials</i> , 2021, 2, .	6.9	51
6	Strength and Ductility of Bi-modal Cu. <i>Advanced Engineering Materials</i> , 2011, 13, 865-871.	3.5	49
7	Ni Nanobuffer Layer Provides Light-Weight CNT/Cu Fibers with Superior Robustness, Conductivity, and Ampacity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8197-8204.	8.0	48
8	Achieving ultra-strong Magnesium-lithium alloys by low-strain rotary swaging. <i>Materials Research Letters</i> , 2021, 9, 255-262.	8.7	48
9	Fabrication of Al/Mg/Al Composites via Accumulative Roll Bonding and Their Mechanical Properties. <i>Materials</i> , 2016, 9, 951.	2.9	44
10	Breaking Material Property Trade-offs via Macrodesign of Microstructure. <i>Nano Letters</i> , 2021, 21, 3191-3197.	9.1	41
11	Enhancement of the Mechanical Properties of an Mg-Zn-Ca Alloy Using High-Pressure Torsion. <i>Advanced Engineering Materials</i> , 2015, 17, 1738-1741.	3.5	39
12	A precipitate-free AlCoFeNi eutectic high-entropy alloy with strong strain hardening. <i>Journal of Materials Science and Technology</i> , 2021, 89, 88-96.	10.7	35
13	Enhancing strength and electrical conductivity of Cu-Cr composite wire by two-stage rotary swaging and aging treatments. <i>Composites Part B: Engineering</i> , 2022, 231, 109567.	12.0	35
14	Influence of microstructure on thermal stability of ultrafine-grained Cu processed by equal channel angular pressing. <i>Journal of Materials Science</i> , 2018, 53, 13173-13185.	3.7	30
15	Microstructural evolution and mechanical properties of a 5052 Al alloy with gradient structures. <i>Journal of Materials Research</i> , 2017, 32, 4443-4451.	2.6	27
16	Mechanical Properties and Deformation Mechanisms of Heterostructured High-Entropy and Medium-Entropy Alloys: A Review. <i>Frontiers in Materials</i> , 2022, 8, .	2.4	25
17	Microstructure Evolution and Mechanical Properties of Al-TiB ₂ /TiC In Situ Aluminum-Based Composites during Accumulative Roll Bonding (ARB) Process. <i>Materials</i> , 2017, 10, 109.	2.9	23
18	U-R relationship prediction method for aluminum alloy circular tube free-bending process based on sensitivity analysis of material parameters. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 99, 1967-1977.	3.0	23

#	ARTICLE	IF	CITATIONS
19	On the Heterogeneity of Local Shear Strain Induced by High-Pressure Torsion. <i>Advanced Engineering Materials</i> , 2020, 22, 1900477.	3.5	20
20	Grain Refinement Mechanisms in Gradient Nanostructured AZ31B Mg Alloy Prepared via Rotary Swaging. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 4053-4065.	2.2	18
21	Effect of grain structure on Charpy impact behavior of copper. <i>Scientific Reports</i> , 2017, 7, 44783.	3.3	16
22	Mechanical Properties and Microstructures of Commercial-Purity Aluminum Processed by Rotational Accelerated Shot Peening Plus Cold Rolling. <i>Advanced Engineering Materials</i> , 2020, 22, 1900478.	3.5	14
23	Annealing behaviour of ultrafine-grained aluminium. <i>Philosophical Magazine</i> , 2014, 94, 476-491.	1.6	13
24	Nano-Gradient Materials Prepared by Rotary Swaging. <i>Nanomaterials</i> , 2021, 11, 2223.	4.1	12
25	Grain size effect on deformation twin thickness in a nanocrystalline metal with low stacking-fault energy. <i>Journal of Materials Research</i> , 2019, 34, 2398-2405.	2.6	11
26	Unveiling microstructural origins of the balanced strength-ductility combination in eutectic high-entropy alloys at cryogenic temperatures. <i>Materials Research Letters</i> , 2022, 10, 602-610.	8.7	10
27	Effective Surface Nano-Crystallization of Ni ₂ FeCoMo _{0.5} V _{0.2} Medium Entropy Alloy by Rotationally Accelerated Shot Peening (RASP). <i>Entropy</i> , 2020, 22, 1074.	2.2	9
28	Deformation mechanisms and plasticity of ultrafine-grained Al under complex stress state revealed by digital image correlation technique. <i>Nanotechnology Reviews</i> , 2021, 10, 73-86.	5.8	6
29	Revealing grain coarsening and detwinning in bimodal Cu under tension. <i>Reviews on Advanced Materials Science</i> , 2021, 60, 15-24.	3.3	5
30	Plasticity and Deformation Mechanisms of Ultrafine-Grained Ti in Necking Region Revealed by Digital Image Correlation Technique. <i>Nanomaterials</i> , 2021, 11, 574.	4.1	3
31	Modeling the deformation behavior of nanocrystalline alloy with hierarchical microstructures. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	2
32	Effect of triple junctions on deformation twinning in a nanostructured Cu-Zn alloy: A statistical study using transmission Kikuchi diffraction. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1501-1506.	2.8	1