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	Enhancing strength and electrical conductivity of Cuâ€“Cr composite wire by two-stage rotary swaging and aging treatments. Composites Part B: Engineering, 2022, 231, 109567.	12.0	35
2	Mechanical Properties and Deformation Mechanisms of Heterostructured High-Entropy and Medium-Entropy Alloys: A Review. Frontiers in Materials, 2022, 8, .	2.4	25
3	Unveiling microstructural origins of the balanced strengthâ€“ductility combination in eutectic high-entropy alloys at cryogenic temperatures. Materials Research Letters, 2022, 10, 602-610.	8.7	10
4	Revealing grain coarsening and detwinning in bimodal Cu under tension. Reviews on Advanced Materials Science, 2021, 60, 15-24.	3.3	5
5	Deformation mechanisms and plasticity of ultrafine-grained Al under complex stress state revealed by digital image correlation technique. Nanotechnology Reviews, 2021, 10, 73-86.	5.8	6
6	Plasticity and Deformation Mechanisms of Ultrafine-Grained Ti in Necking Region Revealed by Digital Image Correlation Technique. Nanomaterials, 2021, 11, 574.	4.1	3
7	Achieving ultra-strong Magnesiumâ€“lithium alloys by low-strain rotary swaging. Materials Research Letters, 2021, 9, 255-262.	8.7	48
8	Breaking Material Property Trade-offs via Macrodesign of Microstructure. Nano Letters, 2021, 21, 3191-3197.	9.1	41
9	Grain size effect on tensile properties and slip systems of pure magnesium. Acta Materialia, 2021, 206, 116604.	7.9	127
10	Enhanced electrical conductivity and mechanical properties in thermally stable fine-grained copper wire. Communications Materials, 2021, 2, .	6.9	51
11	Grain Refinement Mechanisms in Gradient Nanostructured AZ31B Mg Alloy Prepared via Rotary Swaging. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4053-4065.	2.2	18
12	Nano-Gradient Materials Prepared by Rotary Swaging. Nanomaterials, 2021, 11, 2223.	4.1	12
13	A precipitate-free AlCoFeNi eutectic high-entropy alloy with strong strain hardening. Journal of Materials Science and Technology, 2021, 89, 88-96.	10.7	35
14	On the Heterogeneity of Local Shear Strain Induced by Highâ€Pressure Torsion. Advanced Engineering Materials, 2020, 22, 1900477.	3.5	20
15	Mechanical Properties and Microstructures of Commercialâ€Purity Aluminum Processed by Rotational Accelerated Shot Peening Plus Cold Rolling. Advanced Engineering Materials, 2020, 22, 1900478.	3.5	14
16	Effective Surface Nano-Crystallization of Ni2FeCoMo0.5V0.2 Medium Entropy Alloy by Rotationally Accelerated Shot Peening (RASP). Entropy, 2020, 22, 1074.	2.2	9
17	Ultrastrong low-carbon nanosteel produced by heterostructure and interstitial mediated warm rolling. Science Advances, 2020, 6, .	10.3	75
18	Grain size effect on deformation twin thickness in a nanocrystalline metal with low stacking-fault energy. Journal of Materials Research, 2019, 34, 2398-2405.	2.6	11

#	Article	IF	Citations
19	Ni Nanobuffer Layer Provides Light-Weight CNT/Cu Fibers with Superior Robustness, Conductivity, and Ampacity. ACS Applied Materials & Interfaces, 2018, 10, 8197-8204.	8.0	48
20	U-R relationship prediction method for aluminum alloy circular tube free-bending process based on sensitivity analysis of material parameters. International Journal of Advanced Manufacturing Technology, 2018, 99, 1967-1977.	3.0	23
21	Influence of microstructure on thermal stability of ultrafine-grained Cu processed by equal channel angular pressing. Journal of Materials Science, 2018, 53, 13173-13185.	3.7	30
22	Effect of grain structure on Charpy impact behavior of copper. Scientific Reports, 2017, 7, 44783.	3.3	16
23	Microstructural evolution and mechanical properties of a 5052 Al alloy with gradient structures. Journal of Materials Research, 2017, 32, 4443-4451.	2.6	27
24	Microstructure Evolution and Mechanical Properties of Al-TiB2/TiC In Situ Aluminum-Based Composites during Accumulative Roll Bonding (ARB) Process. Materials, 2017, 10, 109.	2.9	23
25	Effect of triple junctions on deformation twinning in a nanostructured Cuâ€“Zn alloy: A statistical study using transmission Kikuchi diffraction. Beilstein Journal of Nanotechnology, 2016, 7, 1501-1506.	2.8	1
26	Fabrication of Al/Mg/Al Composites via Accumulative Roll Bonding and Their Mechanical Properties. Materials, 2016, 9, 951.	2.9	44
27	Modeling the deformation behavior of nanocrystalline alloy with hierarchical microstructures. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	2
28	Enhancement of the Mechanical Properties of an Mgâ€“Znâ€“Ca Alloy Using Highâ€Pressure Torsion. Advanced Engineering Materials, 2015, 17, 1738-1741.	3.5	39
29	Defects in Silicene: Vacancy Clusters, Extended Line Defects and Di-adatoms. Scientific Reports, 2015, 5, 7881.	3.3	92
30	Annealing behaviour of ultrafine-grained aluminium. Philosophical Magazine, 2014, 94, 476-491.	1.6	13
31	Strength and Ductility of Biâ€Modal Cu. Advanced Engineering Materials, 2011, 13, 865-871.	3.5	49
32	Strategies for Improving Tensile Ductility of Bulk Nanostructured Materials. Advanced Engineering Materials, 2010, 12, 769-778.	3.5	156