

Hongxia Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Deformation behaviors and cyclic strength assessment of AZ31B magnesium alloy based on steady ratcheting effect. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 723, 212-220.	5.6	292
2	AlCoCrFeNi high-entropy alloy particle reinforced 5083Al matrix composites with fine grain structure fabricated by submerged friction stir processing. <i>Journal of Alloys and Compounds</i> , 2020, 836, 155411.	5.5	51
3	Thermographic analysis of the fatigue heating process for AZ31B magnesium alloy. <i>Materials & Design</i> , 2015, 65, 1172-1180.	5.1	24
4	Three-point-bending fatigue behavior of AZ31B magnesium alloy based on infrared thermography technology. <i>International Journal of Fatigue</i> , 2017, 95, 156-167.	5.7	18
5	Effect of post-weld heat treatment on mechanical characteristics of AZ31 magnesium alloy welded joints. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 1205-1212.	1.0	12
6	Thermographic Study of AZ31B Magnesium Alloy under Cyclic Loading: Temperature Evolution Analysis and Fatigue Limit Estimation. <i>Materials</i> , 2020, 13, 5209.	2.9	11
7	Ratcheting Strain and Microstructure Evolution of AZ31B Magnesium Alloy under a Tensile-Tensile Cyclic Loading. <i>Materials</i> , 2018, 11, 513.	2.9	10
8	Interface characteristics of high-entropy alloy/Al-Mg composites by underwater friction stir processing. <i>Materials Letters</i> , 2020, 275, 128200.	2.6	10
9	Fatigue Limit Evaluation of AZ31B Magnesium Alloy Based on Temperature Distribution Analysis. <i>Metals</i> , 2020, 10, 1331.	2.3	9
10	Microstructure and Mechanical Properties of AZ31B Magnesium Alloy via Ultrasonic Surface Rolling Process. <i>Advanced Engineering Materials</i> , 2021, 23, 2100076.	3.5	8
11	Fatigue Performance Evaluation of AZ31B Magnesium Alloy Based on Statistical Analysis of Self-Heating. <i>Materials</i> , 2021, 14, 2251.	2.9	7
12	Enhanced fatigue performance of aluminum alloy through surface strengthening treatment. <i>Materials Letters</i> , 2022, 306, 130864.	2.6	7
13	Microstructural, Microhardness and tribological analysis of cooling-assisted friction stir processing of high-entropy alloy particles reinforced aluminum alloy surface composites. <i>Surface Topography: Metrology and Properties</i> , 2020, 8, 035012.	1.6	6
14	Tailoring Tribological Performance of Pure Titanium by a Duplex Treatment of Laser Surface Texturing-Thermal Oxidation. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4047-4062.	2.5	5
15	RESEARCH STATUS OF DRY FRICTION BEHAVIOR OF METALLIC MATERIALS: A BRIEF REVIEW. <i>Surface Review and Letters</i> , 2020, 27, 2030003.	1.1	2
16	Recent advances in gum metal: Synthesis, performance and application. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2023, 48, 257-288.	12.3	2
17	Mechanical and tribological characterisation of AlCoCuFeNi HEA reinforced magnesium composites prepared via spark plasma sintering. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2022, 236, 2074-2084.	1.1	1