

Ning Su

List of Publications by Year in descending order

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papers

373
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21
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#	ARTICLE	IF	CITATIONS
1	Fabrication of high-strength Mg-Gd-Zn-Zr alloy via selective laser melting. <i>Materials Characterization</i> , 2020, 165, 110377.	1.9	51
2	Synergic effects of Gd and Y contents on the age-hardening response and elevated-temperature mechanical properties of extruded Mg-Gd(-Y)-Zn-Mn alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 810, 141019.	2.6	51
3	Effect of microstructure on small fatigue crack initiation and early propagation behavior in Mg-10Gd-3Y-0.3Zr alloy. <i>International Journal of Fatigue</i> , 2019, 119, 311-319.	2.8	42
4	Enhanced extra-long life fatigue resistance of a bimodal titanium alloy by laser shock peening. <i>International Journal of Fatigue</i> , 2020, 141, 105868.	2.8	41
5	Effects of nanoprecipitates and LPSO structure on deformation and fracture behaviour of high-strength Mg-Gd-Y-Zn-Mn alloys. <i>Materials Characterization</i> , 2020, 165, 110396.	1.9	36
6	Grain refinement in an Al Er alloy during accumulative continuous extrusion forming. <i>Journal of Alloys and Compounds</i> , 2016, 680, 283-290.	2.8	35
7	Semisolid rheoforming of magnesium alloys: A review. <i>Materials and Design</i> , 2020, 195, 108990.	3.3	27
8	High-strength GWZ1031K alloy with gradient structure induced by surface mechanical attrition treatment. <i>Materials Characterization</i> , 2020, 170, 110701.	1.9	17
9	Deformation-induced dissolution of long-period stacking ordered structures and its re-precipitation in a Mg-Gd-Zn-Mn alloy. <i>Materials Characterization</i> , 2021, 171, 110756.	1.9	10
10	Laser powder bed fusion of an age-hardenable Mg-10Gd-0.2Zr alloy with excellent strength-ductility synergy. <i>Journal of Alloys and Compounds</i> , 2022, 910, 164863.	2.8	9
11	Effects of Different Heat Treatment on Microstructure, Mechanical and Conductive Properties of Continuous Rheo-Extruded Al-0.9Si-0.6Mg (wt%) Alloy. <i>Metals</i> , 2015, 5, 648-655.	1.0	8
12	Influence of the volume content of $\beta_1 + \beta_2$ colonies on the very high cycle fatigue behavior of a titanium alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2643-2658.	1.7	8
13	Microstructure evolution difference in Mg96.5Gd2.5Zn1 alloys extruded from as-cast and solution-treated states. <i>Journal of Materials Processing Technology</i> , 2020, 282, 116666.	3.1	7
14	Interfacial reaction of aluminum borate whisker reinforced Mg-10Gd-3Y-1Zn-0.4Zr (wt%) alloy matrix composite. <i>Materials Characterization</i> , 2022, 183, 111649.	1.9	7
15	Influence of friction stir processing and aging heat treatment on microstructure and mechanical properties of selective laser melted Mg-Gd-Zr alloy. <i>Additive Manufacturing</i> , 2021, 44, 102036.	1.7	6
16	Characterization of microstructure and nanoscale phase in Mg-15Gd-1Zn (wt.%) alloy fabricated by rotating magnetic field casting. <i>Materials Characterization</i> , 2020, 170, 110660.	1.9	5
17	Microstructural evolution of Mg-10Gd-3Y-1Zn-0.4Zr (wt%) alloy prepared by strain-induced melt activation process. <i>Materials Characterization</i> , 2021, 171, 110831.	1.9	5
18	Cyclic Deformation and Correspondent Crack Initiation at Low-Stress Amplitudes in Mg-Gd-Y-Zr Alloy. <i>Materials</i> , 2018, 11, 2429.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Microstructure evolution and properties of Al/Alâ€“Mgâ€“Si alloy clad wire during heat treatment. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	3
20	Enhancement on the Tribological Properties of the Multilayer RGO/Al Matrix Composites by Cu-Coating Method. Materials, 2021, 14, 3163.	1.3	1
21	Small crack behavior of extruded Mg-Gd-Y-Zr alloy under high cycle fatigue. The Proceedings of Conference of Kyushu Branch, 2018, 2018.71, C45.	0.0	0