

R Sarvesha

List of Publications by Year in descending order

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papers

251
citations

1040056

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docs citations

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177
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of heat treatment variables on the formation of precipitate free zones (PFZs) in Mg-8Al-0.5Zn alloy. <i>Materials Characterization</i> , 2018, 136, 175-182.	4.4	42
2	Quantitative assessment of second phase particles characteristics and its role on the deformation response of a Mg-8Al-0.5Zn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 759, 368-379.	5.6	35
3	Influence of pre-deformation on the precipitation characteristics of aged non-equiatomic Co _{1.5} CrFeNi _{1.5} high entropy alloys with Ti and Al additions. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157521.	5.5	29
4	Dissolution Kinetics of Mg ₁₇ Al ₁₂ Eutectic Phase and Its Effect on Corrosion Behavior of As-Cast AZ80 Magnesium Alloy. <i>Jom</i> , 2019, 71, 2209-2218.	1.9	28
5	Mechanical property evaluation of second phase particles in a Mg-8Al-0.5Zn alloy using micropillar compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 775, 138973.	5.6	19
6	Revealing the Precipitation Sequence with Aging Temperature in a Non-equiatomic AlCoCrFeNi High Entropy Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 314-321.	2.2	15
7	Study of static recrystallization and grain growth of Mg-8Al-0.5Zn alloy during solutionizing in AZ91 alloy. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159836.	5.5	14
8	Enhanced age hardening effects in FCC based Co _{1.5} CrFeNi _{1.5} high entropy alloys with varying Ti and Al contents. <i>Materialia</i> , 2020, 13, 100823.	2.7	14
9	Effect of crystal orientation on indentation-induced deformation behavior of zinc. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 776, 139064.	5.6	9
10	2D and 3D characteristics of intermetallic particles and their role in fracture response of AZ91 magnesium alloy. <i>Materials Characterization</i> , 2021, 171, 110733.	4.4	9
11	In-situ studies on deformation and fracture characteristics of AZ91 Mg alloy. <i>Materialia</i> , 2021, 18, 101177.	2.7	8
12	Study of Static Recrystallization Behavior of a Mg-6Al-3Sn Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 3468-3477.	2.5	7
13	A novel approach to refine surface grains in pure zinc using indentation scratch. <i>Materials Letters</i> , 2019, 247, 151-154.	2.6	6
14	Aging temperature role on precipitation hardening in a non-equiatomic AlCoCrFeNiTi high-entropy alloy. <i>Materials Science and Technology</i> , 2021, 37, 1270-1279.	1.6	6
15	Bioresorbable magnesium-based alloys containing strontium doped nanohydroxyapatite promotes bone healing in critical sized bone defect in rat femur shaft. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 270-286.	11.9	6
16	Effect of Grain Orientation on Indentation Induced Creep in Pure Zinc. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2019, 141, .	1.4	2
17	An Innovative Process for Synthesizing Mg-Al Alloy-Based Composites. <i>Metallography, Microstructure, and Analysis</i> , 0, , .	1.0	2
18	Role of Second-Phase Particles on In Situ Deformation of an AZ80 Mg Alloy. <i>Springer Proceedings in Materials</i> , 2021, , 55-64.	0.3	0