

Feng Jiang

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29
papers

500
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32
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617
ext. citations

3.4
avg, IF

3.62
L-index

#	Paper	IF	Citations
29	Effect of minor Sc and Zr on the microstructure and mechanical properties of AlMg based alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 280, 151-155	5.3	182
28	Comparative investigation of tungsten inert gas and friction stir welding characteristics of AlMgSc alloy plates. <i>Materials & Design</i> , 2010 , 31, 306-311		63
27	Effect of homogenization treatment on microstructure and mechanical properties of DC cast 7X50 aluminum alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 1027-1034	3.3	37
26	Communication Lithium Difluorophosphate as an Electrolyte Additive to Improve the High Voltage Performance of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ /Graphite Cell. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A368-A370	3.9	29
25	Hot deformation behavior and microstructural evolution of as-homogenized AlMg _{0.4} Mn _{0.25} Sc _{0.1} Zr alloy during compression at elevated temperature. <i>Journal of Alloys and Compounds</i> , 2015 , 644, 862-872	5.7	26
24	Coarsening of Al ₃ Sc precipitates in Al-Mg-Sc alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 781, 209-215	5.7	23
23	Precipitation characteristics and morphological transitions of Al ₃ Sc precipitates. <i>Journal of Alloys and Compounds</i> , 2019 , 790, 509-516	5.7	18
22	Effects of Al ₃ (Sc,Zr) and Shear Band Formation on the Tensile Properties and Fracture Behavior of Al-Mg-Sc-Zr Alloy. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 4244-4252	1.6	15
21	Precipitation, Recrystallization, and Evolution of Annealing Twins in a Cu-Cr-Zr Alloy. <i>Metals</i> , 2018 , 8, 227	2.3	13
20	Al ₃ (Sc, Zr) precipitation in deformed Al-Mg-Mn-Sc-Zr alloy: Effect of annealing temperature and dislocation density. <i>Journal of Alloys and Compounds</i> , 2020 , 831, 154856	5.7	13
19	Structure and orientation relationship of new precipitates in a CuCrZr alloy. <i>Materials Science and Technology</i> , 2018 , 34, 282-288	1.5	10
18	Recrystallization behavior of Al-Mg-Mn-Sc-Zr alloy based on two different deformation ways. <i>Materials Letters</i> , 2020 , 265, 127455	3.3	8
17	Microstructure and Mechanical Properties of Al-Mg-Sc-Zr Alloy Variable Polarity Plasma Arc Welding Joint. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 4783-4790	1.6	8
16	Effects of annealing under fixed temperature and cyclic temperature on strength and microstructure of AlMgMn-Sc-Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 764, 138275	5.3	7
15	1, 3, 5-Pentanetricarbonitrile additive for improving high voltage stability of lithium cobalt oxide cells. <i>Electrochimica Acta</i> , 2018 , 286, 86-91	6.7	7
14	Effect of homogenization treatment on microstructure and properties of Al-Mg-Mn-Sc-Zr alloy. <i>Central South University</i> , 2007 , 14, 452-455		7
13	Recovery of Gallium from Corundum Flue Dust by Two-Stage Alkali Leaching, Carbonation, Acid Leaching and Solvent Extraction Process. <i>Metals</i> , 2018 , 8, 545	2.3	6

12	Effect of continuity of annealing time on the recrystallization behavior of Al-Mg-Mn-Sc-Zr alloy. <i>Materials Letters</i> , 2020 , 275, 128208	3-3	5
11	Synthesis of High-Performance Cycling $\text{LiNi}_x\text{Mn}_2\text{O}_4$ ($x \approx 0.10$) as Cathode Material for Lithium Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 9182-9185	1-3	5
10	Existing form and action mechanism of minor scandium and zirconium in Al-Cu-Mg alloy. <i>Central South University</i> , 2010 , 17, 19-23		5
9	High cycle fatigue characteristics of 2124-T851 aluminum alloy. <i>Frontiers of Materials Science in China</i> , 2007 , 1, 168-172		4
8	Effect of SiC addition in electrolyte on the microstructure and tribological properties of micro-arc oxidation coatings on Al-Mg-Sc alloy. <i>Surface Topography: Metrology and Properties</i> , 2021 , 9, 035043	1-5	3
7	Investigation on microstructure, mechanical properties and corrosion behavior of VPPA welded Al-Mg-Mn-Sc-Zr alloy. <i>Materials Today Communications</i> , 2020 , 25, 101480	2-5	2
6	Microstructure and properties of Al-Mg-(Sc, Zr) welded joint. <i>Central South University</i> , 2005 , 12, 23-27		1
5	Study on rheological behavior and microstructural evolution of Al-6Mg-0.4Mn-0.15Sc-0.1Zr alloy by isothermal compression. <i>Materials Research Express</i> , 2020 , 7, 056517	1-7	1
4	TiO ₂ Nanosheet-Redox Graphene Oxide/Sulphur Cathode for High-Performance Lithium-Sulphur Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 1715-1722	1-3	1
3	The recrystallization behavior of shear band in room temperature ECAPed Al-Mg-Mn-Sc-Zr alloy. <i>Materials Characterization</i> , 2021 , 175, 111081	3-9	1
2	Study on oxidation behavior of Al-Mg-Sc alloy. <i>Materials Letters</i> , 2022 , 313, 131723	3-3	0
1	Investigation of alloying element Mg in the near surface layer of micro-arc oxidation coating on Al-Mg-Sc alloy. <i>Vacuum</i> , 2022 , 197, 110823	3-7	0