Feng Jiang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Effect of minor Sc and Zr on the microstructure and mechanical properties of Al–Mg based alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 280, 151-155.	5.6	219
2	Comparative investigation of tungsten inert gas and friction stir welding characteristics of Al–Mg–Sc alloy plates. Materials & Design, 2010, 31, 306-311.	5.1	79
3	Effect of homogenization treatment on microstructure and mechanical properties of DC cast 7X50 aluminum alloy. Transactions of Nonferrous Metals Society of China, 2015, 25, 1027-1034.	4.2	45
4	Coarsening of Al3Sc precipitates in Al-Mg-Sc alloys. Journal of Alloys and Compounds, 2019, 781, 209-215.	5.5	43
5	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. Journal of the Electrochemical Society, 2018, 165, A368-A370.	2.9	40
6	Hot deformation behavior and microstructural evolution of as-homogenized Al–6Mg–0.4Mn–0.25Sc–0.1Zr alloy during compression at elevated temperature. Journal of Alloys and Compounds, 2015, 644, 862-872.	5.5	39
7	Al3(Sc, Zr) precipitation in deformed Al-Mg-Mn-Sc-Zr alloy: Effect of annealing temperature and dislocation density. Journal of Alloys and Compounds, 2020, 831, 154856.	5.5	33
8	Precipitation characteristics and morphological transitions of Al3Sc precipitates. Journal of Alloys and Compounds, 2019, 790, 509-516.	5.5	28
9	Effects of Al3(Sc,Zr) and Shear Band Formation on the Tensile Properties and Fracture Behavior of Al-Mg-Sc-Zr Alloy. Journal of Materials Engineering and Performance, 2015, 24, 4244-4252.	2.5	24
10	Precipitation, Recrystallization, and Evolution of Annealing Twins in a Cu-Cr-Zr Alloy. Metals, 2018, 8, 227.	2.3	21
11	Recovery of Gallium from Corundum Flue Dust by Two-Stage Alkali Leaching, Carbonation, Acid Leaching and Solvent Extraction Process. Metals, 2018, 8, 545.	2.3	15
12	Recrystallization behavior of Al-Mg-Mn-Sc-Zr alloy based on two different deformation ways. Materials Letters, 2020, 265, 127455.	2.6	15
13	Structure and orientation relationship of new precipitates in a Cu–Cr–Zr alloy. Materials Science and Technology, 2018, 34, 282-288.	1.6	14
14	1, 3, 5-Pentanetricarbonitrile additive for improving high voltage stability of lithium cobalt oxide cells. Electrochimica Acta, 2018, 286, 86-91.	5.2	14
15	Microstructure and Mechanical Properties of Al-Mg-Sc-Zr Alloy Variable Polarity Plasma Arc Welding Joint. Journal of Materials Engineering and Performance, 2018, 27, 4783-4790.	2.5	14
16	Effect of homogenization treatment on microstructure and properties of Al-Mg-Mn-Sc-Zr alloy. Central South University, 2007, 14, 452-455.	0.5	9
17	Effects of annealing under fixed temperature and cyclic temperature on strength and microstructure of Al–Mg–Mn-Sc-Zr alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138275.	5.6	9
18	Investigation of alloying element Mg in the near surface layer of micro-arc oxidation coating on Al–Mg-Sc alloy. Vacuum, 2022, 197, 110823.	3.5	9

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19	Study on oxidation behavior of Al-Mg-Sc alloy. Materials Letters, 2022, 313, 131723.	2.6	9
20	Synthesis of High-Performance Cycling LiNixMn2â^'xO4 (x ≤0.10) as Cathode Material for Lithium Batteries. Journal of Nanoscience and Nanotechnology, 2017, 17, 9182-9185.	0.9	7
21	Effect of SiC addition in electrolyte on the microstructure and tribological properties of micro-arc oxidation coatings on Al-Mg-Sc alloy. Surface Topography: Metrology and Properties, 2021, 9, 035043.	1.6	7
22	Effect of temperature on composition evolution of oxide film on Al–Mg–Sc alloy. Vacuum, 2022, 203, 111285.	3.5	7
23	Existing form and action mechanism of minor scandium and zirconium in Al-Cu-Mg alloy. Central South University, 2010, 17, 19-23.	0.5	6
24	Effect of continuity of annealing time on the recrystallization behavior of Al-Mg-Mn-Sc-Zr alloy. Materials Letters, 2020, 275, 128208.	2.6	6
25	The recrystallization behavior of shear band in room temperature ECAPed Al-Mg-Mn-Sc-Zr alloy. Materials Characterization, 2021, 175, 111081.	4.4	6
26	Investigation on microstructure, mechanical properties and corrosion behavior of VPPA welded Al–Mg–Mn–Sc–Zr alloy. Materials Today Communications, 2020, 25, 101480.	1.9	5
27	High cycle fatigue characteristics of 2124-T851 aluminum alloy. Frontiers of Materials Science in China, 2007, 1, 168-172.	0.5	4
28	Microstructure, mechanical property and thermo-stability of traditionally and severely deformed Al–Mg–Sc–Zr alloy. Journal of Materials Research and Technology, 2022, 18, 4130-4144.	5.8	4
29	Microstructure and properties of Al-Mg-(Sc, Zr) welded joint. Central South University, 2005, 12, 23-27.	0.5	2
30	Effect of oxidation treatment on the structure and composition of oxide film on Al-Mg-Sc alloy surface and microstructure of Al substrate near interface. Materials Letters, 2022, 325, 132819.	2.6	2
31	TiO2 Nanosheet-Redox Graphene Oxide/Sulphur Cathode for High-Performance Lithium-Sulphur Batteries. Journal of Nanoscience and Nanotechnology, 2020, 20, 1715-1722.	0.9	1
32	Study on rheological behavior and microstructural evolution of Al-6Mg-0.4Mn-0.15Sc-0.1Zr alloy by isothermal compression. Materials Research Express, 2020, 7, 056517.	1.6	1