

Feng Jiang

List of Publications by Year in descending order

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papers

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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. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 280, 151-155.	2.6	219
2	Comparative investigation of tungsten inert gas and friction stir welding characteristics of Al-Mg-Sc alloy plates. <i>Materials & Design</i> , 2010, 31, 306-311.	5.1	79
3	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.	1.7	45
4	Coarsening of Al ₃ Sc precipitates in Al-Mg-Sc alloys. <i>Journal of Alloys and Compounds</i> , 2019, 781, 209-215.	2.8	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. <i>Journal of the Electrochemical Society</i> , 2018, 165, A368-A370.	1.3	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. <i>Journal of Alloys and Compounds</i> , 2015, 644, 862-872.	2.8	39
7	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.	2.8	33
8	Precipitation characteristics and morphological transitions of Al ₃ Sc precipitates. <i>Journal of Alloys and Compounds</i> , 2019, 790, 509-516.	2.8	28
9	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.	1.2	24
10	Precipitation, Recrystallization, and Evolution of Annealing Twins in a Cu-Cr-Zr Alloy. <i>Metals</i> , 2018, 8, 227.	1.0	21
11	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.	1.0	15
12	Recrystallization behavior of Al-Mg-Mn-Sc-Zr alloy based on two different deformation ways. <i>Materials Letters</i> , 2020, 265, 127455.	1.3	15
13	Structure and orientation relationship of new precipitates in a Cu-Cr-Zr alloy. <i>Materials Science and Technology</i> , 2018, 34, 282-288.	0.8	14
14	1, 3, 5-Pentanetricarbonitrile additive for improving high voltage stability of lithium cobalt oxide cells. <i>Electrochimica Acta</i> , 2018, 286, 86-91.	2.6	14
15	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.	1.2	14
16	Effect of homogenization treatment on microstructure and properties of Al-Mg-Mn-Sc-Zr alloy. <i>Central South University</i> , 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. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 764, 138275.	2.6	9
18	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.	1.6	9

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19	Study on oxidation behavior of Al-Mg-Sc alloy. <i>Materials Letters</i> , 2022, 313, 131723.	1.3	9
20	Synthesis of High-Performance Cycling $\text{LiNi}_x\text{Mn}_{2-x}\text{O}_4$ ($x \approx 0.10$) as Cathode Material for Lithium Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 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. <i>Surface Topography: Metrology and Properties</i> , 2021, 9, 035043.	0.9	7
22	Effect of temperature on composition evolution of oxide film on Al-Mg-Sc alloy. <i>Vacuum</i> , 2022, 203, 111285.	1.6	7
23	Existing form and action mechanism of minor scandium and zirconium in Al-Cu-Mg alloy. <i>Central South University</i> , 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. <i>Materials Letters</i> , 2020, 275, 128208.	1.3	6
25	The recrystallization behavior of shear band in room temperature ECAPed Al-Mg-Mn-Sc-Zr alloy. <i>Materials Characterization</i> , 2021, 175, 111081.	1.9	6
26	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.	0.9	5
27	High cycle fatigue characteristics of 2124-T851 aluminum alloy. <i>Frontiers of Materials Science in China</i> , 2007, 1, 168-172.	0.5	4
28	Microstructure, mechanical property and thermo-stability of traditionally and severely deformed Al-Mg-Sc-Zr alloy. <i>Journal of Materials Research and Technology</i> , 2022, 18, 4130-4144.	2.6	4
29	Microstructure and properties of Al-Mg-(Sc, Zr) welded joint. <i>Central South University</i> , 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. <i>Materials Letters</i> , 2022, 325, 132819.	1.3	2
31	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.	0.9	1
32	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.	0.8	1