

Shengping Wen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of Er and Zr additions and aging treatment on grain refinement of aluminum alloy fabricated by laser powder bed fusion. <i>Journal of Alloys and Compounds</i> , 2022, 912, 165237.	2.8	27
2	The Phase Stability of Al ₃ Er Studied by the First-Principles Calculations and Experimental Analysis. <i>Metals</i> , 2021, 11, 759.	1.0	4
3	Hardness and Young's modulus of Al ₃ Yb single crystal studied by nano indentation. <i>Intermetallics</i> , 2020, 127, 106980.	1.8	5
4	High corrosion resistance and strain hardening of high Mg Al-alloy with Er and Zr by using a new reverse stabilization process. <i>Scripta Materialia</i> , 2019, 171, 26-30.	2.6	10
5	Nucleation and evolution of β phase and corresponding intergranular corrosion transition at 100–230 °C in 5083 alloy containing Er and Zr. <i>Materials and Design</i> , 2019, 174, 107778.	3.3	25
6	The recrystallization behavior of Al-6Mg-0.4Mn-0.15Zr-xSc (x=0.04–0.10 wt%) alloys. <i>Materials Characterization</i> , 2019, 147, 262-270.	1.9	12
7	Study on Stabilization Treatment of Al-Mg Alloy 5E83-H112. <i>Springer Proceedings in Physics</i> , 2019, , 29-39.	0.1	0
8	Optimization of Cold-Rolling-Stabilization Process for High Mg-Containing Al Alloy. <i>Springer Proceedings in Physics</i> , 2019, , 93-104.	0.1	0
9	Effect of Al-Er-Zr Master Alloy on Grain Refinement After Heat Treatment. <i>Springer Proceedings in Physics</i> , 2019, , 231-240.	0.1	0
10	Microstructure Characterization of Microalloyed 5xxx Aluminum Alloys with Er and Zr using Analytical Transmission Electron Microscopy and Synchrotron X-ray Fluorescence Microscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 760-761.	0.2	1
11	Geometric and Chemical Composition Effects on Healing Kinetics of Voids in Mg-bearing Al Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 2410-2420.	1.1	6
12	Determination of Er and Yb solvuses and trialuminide nucleation in Al-Er and Al-Yb alloys. <i>Journal of Alloys and Compounds</i> , 2014, 590, 526-534.	2.8	39
13	The study on the coarsening process and precipitation strengthening of Al ₃ Er precipitate in Al-Er binary alloy. <i>Journal of Alloys and Compounds</i> , 2014, 610, 27-34.	2.8	84
14	VALENCE ELECTRON STRUCTURE ANALYSIS OF EQUILIBRIUM AND METASTABLE PHASES OF Al ₃ (Zr, Hf) (Al ₃ (Ti, Zr, Hf)). <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2013, 48, 492-501.	0.3	2
15	EVOLUTION OF NANOSCALE Al ₃ (Zr, Hf) (Al ₃ (Ti, Zr, Hf)) PRECIPITATES IN Al-6Mg-0.7Mn-0.1Zr-0.3Er ALLOY DURING ANNEALING. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2010, 46, 850-856.	0.3	3
16	Creep rate sensitivities of materials by a depth-sensing indentation technique. <i>International Journal of Minerals, Metallurgy, and Materials</i> , 2006, 13, 308-312.	0.2	2
17	Magnetic Transition and Structural Evolution in NiCo/Ag Multilayers. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 4035-4039.	0.8	0
18	The effect of various RRA treatments on the strength and corrosion behavior of a new type of Al-Zn-Mg-Er-Zr alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 0, , .	0.8	1