Chen Ruirun

List of Publications by Year
in descending order

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Version: 2024-02-01

17 papers	121 citations	1477746 6 h-index	1281420 11 g-index
17 all docs	17 docs citations	17 times ranked	120 citing authors

#	Article	IF	Citations
1	Effects of ultrasonic vibration on the microstructure and mechanical properties of high alloying TiAl. Scientific Reports, 2017, 7, 41463.	1.6	52
2	Effect of cyclic heat treatment on microstructures and mechanical properties of directionally solidified Tiâ€“46Alâ€“6Nb alloy. Transactions of Nonferrous Metals Society of China, 2015, 25, 1872-1880.	1.7	13
3	Improving microstructure and mechanical properties of Ti43Al5Nb0.1B alloy by addition of Fe. Rare Metals, 2019, 38, 1024-1032.	3.6	11
4	Microstructure and mechanical properties of Ti44Al6Nb alloys with different cerium contents. Rare Metals, 2020, 39, 402-407.	3.6	11
5	Effect of growth rate and diameter on microstructure and hardness of directionally solidified Tiâ€“46Alâ€“8Nb alloy. Transactions of Nonferrous Metals Society of China, 2014, 24, 4044-4052.	1.7	6
6	Microstructure and room temperature tensile property of as-cast Ti44Al6Nb1.0Cr2.0V alloy. Transactions of Nonferrous Metals Society of China, 2015, 25, 1097-1105.	1.7	6
7	Microstructure and microhardness of Ti-48Al alloy prepared by rapid solidification. China Foundry, 2020, 17, 429-434.	0.5	5
8	Characteristics of array holes with large aspect ratio in aluminum-based cast alloy. Materials and Manufacturing Processes, 2018, 33, 367-370.	2.7	4
9	A high-Nb TiAl alloy with highly refined microstructure and excellent mechanical properties fabricated by electromagnetic continuous casting. China Foundry, 2016, 13, 342-345.	0.5	3
10	Preparation of U-shaped curved holes by a casting method. International Journal of Advanced Manufacturing Technology, 2016, 86, 129-132.	1.5	3
11	Microstructure and mechanical properties of Ti43Al6Nb alloys with different zirconium contents. Rare Metals, 2018, , 1.	3.6	3
12	Coupling Effects of Melt Treatment and Ultrasonic Treatment on Solidifying Microstructure and Mechanical Performance of Ti44Al6Nb1Cr Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 537-549.	1.1	2
13	Dependency of microstructure and microhardness on withdrawal rate of Ti-43Al-2Cr-2Nb alloy prepared by electromagnetic cold crucible directional solidification. China Foundry, 2016, 13, 289-293.	0.5	1
14	Microstructure and mechanical properties of Ti44Al6Nb1Cr2V alloy after gaseous hydrogen charging at 1373â€“1693ÂK. Rare Metals, 2023, 42, 664-671.	3.6	1
15	Continuous Casting of TiAlNb Alloys with Different Velocities by Mixing Binary TiAl Ingot and Nb Wire. Advanced Engineering Materials, 2017, 19, 1700058.	1.6	0
16	Microstructure and mechanical properties of Ni3Al intermetallics prepared by directional solidification electromagnetic cold crucible technique. China Foundry, 2017, 14, 169-175.	0.5	0
17	High-temperature deformation resistance and creep resistance of a TiAl-based alloy fabricated by cold crucible directional solidification technology. China Foundry, 2020, 17, 378-383.	0.5	0