Wenli Gao

List of Publications by Year
in descending order

Version: 2024-02-01

16 papers	292 citations	1307594 7 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	191 citing authors

#	Article	IF	Citations
1	Optimization of Stirring Parameters Through Numerical Simulation for the Preparation of Aluminum Matrix Composite by Stir Casting Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2010, 132, .	2.2	62
2	The varied mechanisms of yttrium (Y) modifying a hypoeutectic Alâ€“Si alloy under conditions of different cooling rates. Journal of Alloys and Compounds, 2019, 806, 909-916.	5.5	60
3	The effect of temperature on microstructure and mechanical properties of Al/Mg lap joints manufactured by magnetic pulse welding. Journal of Materials Research and Technology, 2019, 8, 3270-3280.	5.8	43
4	Hot deformation characterization of as-homogenized Al-Cu-Li X2A66 alloy through processing maps and microstructural evolution. Journal of Materials Science and Technology, 2019, 35, 2409-2421.	10.7	37
5	The poisoning effect of Sc or Zr in grain refinement of Al-Si-Mg alloy with Al-Ti-B. Materials Letters, 2021, 302, 130428.	2.6	21
6	The effects of Y on primary Î±-Al and precipitation of hypoeutectic Al-Si alloy. Materials Letters, 2020, 271, 127795.	2.6	15
7	Microstructure characteristics and constitutive modeling for elevated temperature flow behavior of Alâ€“Cuâ€“Li X2A66 alloy. Journal of Materials Research, 2018, 33, 912-922.	2.6	10
8	Microstructure characteristics and mechanical properties of a 2A66 Alâ€“Li alloy processed by continuous repetitive upsetting and extrusion. Journal of Materials Research, 2016, 31, 2506-2515.	2.6	9
9	Interfacial microstructure characterization of aluminum/aluminum-lithium joints fabricated by magnetic pulse welding. Materials Characterization, 2020, 167, 110530.	4.4	9
10	Effect of Sb Addition on the Alâ€“Si Eutectic of Hypoeutectic Alâ€“Si Casting Alloys under Different Cooling Rates. Materials Transactions, 2020, 61, 181-187.	1.2	5
11	The Effect of Applied Load and Rotation Speed on Wear Characteristics of Al-Cu-Li Alloy. Journal of Materials Engineering and Performance, 2022, 31, 5875-5885.	2.5	5
12	The role of yttrium modifying A357 alloy with sand casting. Materials Science and Technology, 2019, 35, 1815-1821.	1.6	4
13	Effect of Zn or Znâ€‰+â€‰Cu Addition on the Precipitation in Alâ€“Mgâ€“Si Alloys: A Review. Transactions of the Indian Institute of Metals, 2021, 74, 2925-2938.	1.5	4
14	The effects of copper (Cu) or zinc (Zn) on fluidity of A357 alloy. Materials Letters, 2021, 304, 130733.	2.6	4
15	Effect of Trace Silver on Precipitation Behavior of Strengthening Phases and Mechanical Properties of Aluminum-Copper Alloys. Jom, 2020, 72, 2957-2964.	1.9	2
16	Thermal Stability of Precipitates in Al-2.8Âwt%Cu-1.4Âwt%Li Alloy. Metals and Materials International, 2022, 28, 2898-2906.	3.4	2