

Bin Hu

List of Publications by Year in descending order

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15
papers

632
citations

949033

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1051228

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18
times ranked

448
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding grain refining and anti Si-poisoning effect in Al-10Si/Al-5Nb-B system. Journal of Materials Science and Technology, 2021, 65, 190-201.	5.6	106
2	Analysis and Perspective on Heat Pump for Industrial Steam Generation. Advanced Energy and Sustainability Research, 2021, 2, 2000108.	2.8	6
3	Microstructural evolution of Mg-Al-Re alloy reinforced with alumina fibers. Journal of Magnesium and Alloys, 2020, 8, 565-577.	5.5	11
4	Airâ€Source Heat Pump for Distributed Steam Generation: A New and Sustainable Solution to Replace Coalâ€Fired Boilers in China. Advanced Sustainable Systems, 2020, 4, 2000118.	2.7	20
5	Novel Al-Ti-Nb-B grain refiners with superior efficiency for Al-Si alloys. Scripta Materialia, 2020, 187, 262-267.	2.6	73
6	Insight into Si poisoning on grain refinement of Al-Si/Al-5Ti-B system. Acta Materialia, 2020, 187, 51-65.	3.8	195
7	Experimental study on a small-scale pumpless organic Rankine cycle with R1233zd(E) as working fluid at low temperature heat source. International Journal of Energy Research, 2019, 43, 1203-1216.	2.2	10
8	Achievement in grain-refining hypoeutectic Al-Si alloys with Nb. Scripta Materialia, 2019, 160, 75-80.	2.6	68
9	Microstructure and Mechanical Properties of Mg-7Al-2Sn Alloy Processed by Super Vacuum Die-Casting. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4788-4799.	1.1	28
10	Study on microstructure of squeeze casting AZ91D alloy. Materials Science and Technology, 2011, 27, 189-193.	0.8	14
11	Effect of solidification conditions on microstructure, mechanical and wear properties of Mgâ€5Alâ€3Caâ€0.12Sr magnesium alloy. Materials & Design, 2010, 31, 3901-3907.	5.1	12
12	Interfacial and fracture behavior of short-fibers reinforced AE44 based magnesium matrix composites. Journal of Alloys and Compounds, 2010, 504, 527-534.	2.8	38
13	Identification of NdH ₂ particles in solution-treated Mgâ€2.5%Nd (wt.%) alloy. Journal of Alloys and Compounds, 2009, 485, 245-248.	2.8	37
14	Effects of Process Parameters on the Macrostructure of a Squeeze-Cast Mg-2.5 mass%Nd Alloy. Materials Transactions, 2009, 50, 2820-2825.	0.4	7
15	Mechanical Properties, Aging Behavior and Microstructure Evolution of Mg-Nd-Zn-Zr Based Magnesium Matrix Composite Reinforced with Alumina Fibers. Materials Science Forum, 0, 706-709, 687-692.	0.3	0