

Chun Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

352
citations

11
h-index

18
g-index

29
ext. papers

434
ext. citations

4.2
avg, IF

3.56
L-index

#	Paper	IF	Citations
29	Precipitation behavior and properties of Al ₁₀₀ Si _{0.5} X (X = Sc, La, Nb) alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 7380-7395	2.1	
28	Microstructure and properties of Al-Si/Al-SiCp bilayer composite for electronic packaging. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 7811-7823	2.1	
27	Achieving high strength and high conductivity synergy through hierarchical precipitation stimulated structural heterogeneities in a Cu-Ag-Zr alloy. <i>Materials and Design</i> , 2022 , 110777	8.1	0
26	Microstructure, properties, and corrosion resistance of as-cast Al-12Si-1.0Mn-0.6 Mg-xSc alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 13279-13290	2.1	
25	Low-temperature annealing behavior and tensile properties of the rapidly solidified Cu ₃ Ag _{0.5} Zr _{0.4} Cr _{0.35} Nb alloy reinforced by cold rolling. <i>Journal of Alloys and Compounds</i> , 2020 , 828, 154371	5.7	
24	Ultrafine grained Cu ₃ Ag-xZr (x = 0.5, 1.0 wt%) alloys with high strength and good ductility fabricated through rapid solidification and cryorolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 778, 139095	5.3	3
23	Microstructure stability and tensile properties of Cu-3Ag-1Zr alloy fabricated by rapid solidification and cold rolling. <i>Materials Characterization</i> , 2020 , 160, 110091	3.9	3
22	Effect of bimodal microstructure on the tensile properties of selective laser melt Al-Mg-Sc-Zr alloy. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152422	5.7	29
21	Influence of hot isostatic pressing and forging on the microstructure and mechanical properties of Cu-3Ag-1Zr alloys. <i>Materials and Design</i> , 2019 , 168, 107676	8.1	10
20	Influence of titanium coating on the microstructure and thermal behavior of Dia./Cu composites. <i>Diamond and Related Materials</i> , 2019 , 97, 107449	3.5	7
19	Microstructures and elevated temperature properties of rapidly solidified Cu-3Ag-0.5Zr and Cu-3Ag-0.5Zr-0.4Cr-0.35Nb alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 803, 1037-1044	5.7	6
18	Effect of minor scandium addition on the microstructure and properties of Al ₁₀₀ Si alloys for electronic packaging. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 20770-20777	2.1	4
17	Study on Novel Heterogeneous Packaging Material and Housing Design for Spaceborne T/R Module. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 677, 022092	0.4	0
16	Effects of annealing on microstructure and mechanical properties of rapidly solidified Cu-3 wt% Ag-1 wt% Zr. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 739, 357-366	5.3	17
15	Microstructure and thermal behavior of diamond/Cu composites: Effects of surface modification. <i>Diamond and Related Materials</i> , 2018 , 86, 98-108	3.5	16
14	Microstructure, mechanical and thermo-physical properties of Al ₁₀₀ Si _{0.5} Mg alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 730, 57-65	5.3	10
13	Enhancing densification capacity and properties of Al/diamond composites by partial liquid hot pressing. <i>Surface and Coatings Technology</i> , 2017 , 313, 347-354	4.4	5

12	Effect of copper content on microstructure and mechanical properties of Al/Sip composites consolidated by liquid phase hot pressing. <i>Materials and Design</i> , 2016 , 110, 10-17	8.1	14
11	Microstructure and thermal properties of Al/W-coated diamond composites prepared by powder metallurgy. <i>Materials and Design</i> , 2016 , 95, 39-47	8.1	28
10	Effect of solidification rate on the coarsening behavior of precipitate in rapidly solidified Al-Si alloy. <i>Progress in Natural Science: Materials International</i> , 2016 , 26, 391-397	3.6	12
9	Low-temperature densification of diamond/Cu composite prepared from dual-layer coated diamond particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 185-190	2.1	20
8	Effects of dual-layer coatings on microstructure and thermal conductivity of diamond/Cu composites prepared by vacuum hot pressing. <i>Surface and Coatings Technology</i> , 2015 , 277, 299-307	4.4	61
7	Microstructure and properties of Al/Sip composites for thermal management applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 4234-4240	2.1	16
6	Thermal cycling reliability of Al/50Sip composite for thermal management in electronic packaging. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 4894-4901	2.1	9
5	Effect of Particle Size on Microstructure and Cold Compaction of Gas-Atomized Hypereutectic Al-Si Alloy Powder. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015 , 46, 824-830	2.5	9
4	Preparation of AlBi alloys by a rapid solidification and powder metallurgy route. <i>Materials and Design</i> , 2015 , 87, 996-1002	8.1	53
3	Inhibited cold compactibility of rapidly solidified AlBi alloy powder with large solidification rate. <i>Advanced Powder Technology</i> , 2015 , 26, 1458-1464	4.6	3
2	Effects of Mn and Sn on microstructure of Al ₇ Si ₃ Mg alloy modified by Sr and Al ₃ Ti ₂ B. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 3546-3552	3.3	11
1	Polynomial regression and interpolation of thermodynamic data in AlBiMgBe system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2015 , 48, 175-183	1.9	6