Chun Zhang

List of Publications by Year
in descending order

29 papers	518 citations	686830 13 h-index	676716 22 g-index
29 all docs	29 docs citations	29 times ranked	362 citing authors

#	Article	IF	Citations
1	Effects of dual-layer coatings on microstructure and thermal conductivity of diamond/Cu composites prepared by vacuum hot pressing. Surface and Coatings Technology, 2015, 277, 299-307.	2.2	85
2	Preparation of Alâ€“Si alloys by a rapid solidification and powder metallurgy route. Materials and Design, 2015, 87, 996-1002.	3.3	73
3	Effect of bimodal microstructure on the tensile properties of selective laser melt Al-Mg-Sc-Zr alloy. Journal of Alloys and Compounds, 2020, 815, 152422.	2.8	50
4	Microstructure and thermal properties of Al/W-coated diamond composites prepared by powder metallurgy. Materials and Design, 2016, 95, 39-47.	3.3	41
5	Microstructure and thermal behavior of diamond/Cu composites: Effects of surface modification. Diamond and Related Materials, 2018, 86, 98-108.	1.8	28
6	Low-temperature densification of diamond/Cu composite prepared from dual-layer coated diamond particles. Journal of Materials Science: Materials in Electronics, 2015, 26, 185-190.	1.1	25
7	Effects of annealing on microstructure and mechanical properties of rapidly solidified Cu-3â€¯wt% Ag-1â€¯wt% Zr. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 739, 357-366.	2.6	23
8	Microstructure and properties of Al/Sip composites for thermal management applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 4234-4240.	1.1	21
9	Effect of solidification rate on the coarsening behavior of precipitate in rapidly solidified Al-Si alloy. Progress in Natural Science: Materials International, 2016, 26, 391-397.	1.8	21
10	Effect of copper content on microstructure and mechanical properties of Al/Sip composites consolidated by liquid phase hot pressing. Materials and Design, 2016, 110, 10-17.	3.3	19
11	Microstructure, mechanical and thermo-physical properties of Alâ€“50Siâ€“xMg alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 730, 57-65.	2.6	18
12	Effects of Mn and Sn on microstructure of Alâ€“7Siâ€“Mg alloy modified by Sr and Alâ€“5Tiâ€“B. Transactions of Nonferrous Metals Society of China, 2015, 25, 3546-3552.	1.7	16
13	Influence of hot isostatic pressing and forging on the microstructure and mechanical properties of Cu-3Ag-1Zr alloys. Materials and Design, 2019, 168, 107676.	3.3	13
14	Thermal cycling reliability of Al/50Sip composite for thermal management in electronic packaging. Journal of Materials Science: Materials in Electronics, 2015, 26, 4894-4901.	1.1	10
15	Effect of Particle Size on Microstructure and Cold Compaction of Gas-Atomized Hypereutectic Al-Si Alloy Powder. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 824-830.	1.0	9
16	Microstructures and elevated temperature properties of rapidly solidified Cu-3Ag-0.5Zr and Cu-3Ag-0.5Zr-0.4Cr-0.35Nb alloys. Journal of Alloys and Compounds, 2019, 803, 1037-1044.	2.8	9
17	Effect of minor scandium addition on the microstructure and properties of Alâ€“50Si alloys for electronic packaging. Journal of Materials Science: Materials in Electronics, 2019, 30, 20770-20777.	1.1	9
18	Enhancing densification capacity and properties of Al/diamond composites by partial liquid hot pressing. Surface and Coatings Technology, 2017, 313, 347-354.	2.2	8

#	Article	IF	Citations
19	Influence of titanium coating on the microstructure and thermal behavior of Dia./Cu composites. Diamond and Related Materials, 2019, 97, 107449.	1.8	8
20	Ultrafine grained Cuâ€“3Ag-xZr (x = 0.5, 1.0Âwt%) alloys with high strength and good ductility fabricated through rapid solidification and cryorolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 778, 139095.	2.6	8
21	Polynomial regression and interpolation of thermodynamic data in Alâ€“Siâ€“Mgâ€“Fe system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2015, 48, 175-183.	0.7	7
22	Microstructure stability and tensile properties of Cu-3Ag-1Zr alloy fabricated by rapid solidification and cold rolling. Materials Characterization, 2020, 160, 110091.	1.9	5
23	Precipitation behavior and properties of Alâ€“50Siâ€“0.5X (Xâ€‰=â€‰Sc, La, Nb) alloys. Journal of Materials Science: Materials in Electronics, 2022, 33, 7380-7395.	1.1	4
24	Achieving high strength and high conductivity synergy through hierarchical precipitation stimulated structural heterogeneities in a Cu-Ag-Zr alloy. Materials and Design, 2022, 219, 110777.	3.3	4
25	Inhibited cold compactibility of rapidly solidified Alâ€“Si alloy powder with large solidification rate. Advanced Powder Technology, 2015, 26, 1458-1464.	2.0	3
26	Study on Novel Heterogeneous Packaging Material and Housing Design for Spaceborne T/R Module. IOP Conference Series: Materials Science and Engineering, 2019, 677, 022092.	0.3	1
27	Low-temperature annealing behavior and tensile properties of the rapidly solidified Cu3Ag0.5Zr0.4Cr0.35Nb alloy reinforced by cold rolling. Journal of Alloys and Compounds, 2020, 828, 154371.	2.8	0
28	Microstructure, properties, and corrosion resistance of as-cast Al-12Si-1.0Mn-0.6ÂMg-xSc alloys. Journal of Materials Science: Materials in Electronics, 2021, 32, 13279-13290.	1.1	0
29	Microstructure and properties of Al-Si/Al-SiCp bilayer composite for electronic packaging. Journal of Materials Science: Materials in Electronics, 2022, 33, 7811-7823.	1.1	0