Zhaolong

List of Publications by Year
in descending order

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21	589	566801 15	752256 20
papers	citations	h-index	g-index

21	21	21	419
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of novel low-density refractory high entropy alloys for high-temperature applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 755, 318-322.	2.6	73
2	Microstructures and mechanical properties of HfNbTaTiZrW and HfNbTaTiZrMoW refractory high-entropy alloys. Journal of Alloys and Compounds, 2019, 803, 778-785.	2.8	69
3	Effects of cobalt on the nucleation and grain refinement of Sn-3Ag-0.5Cu solders. Journal of Alloys and Compounds, 2016, 682, 326-337.	2.8	66
4	Nucleation of tin on the Cu6Sn5 layer in electronic interconnections. Acta Materialia, 2017, 123, 404-415.	3.8	56
5	Harnessing heterogeneous nucleation to control tin orientations in electronic interconnections. Nature Communications, 2017, 8, 1916.	5.8	50
6	Nucleation, grain orientations, and microstructure of Sn-3Ag-0.5Cu soldered on cobalt substrates. Journal of Alloys and Compounds, 2017, 706, 596-608.	2.8	36
7	Nucleation and twinning in tin droplet solidification on single crystal intermetallic compounds. Acta Materialia, 2018, 150, 281-294.	3.8	36
8	Grain refinement of electronic solders: The potential of combining solute with nucleant particles. Journal of Alloys and Compounds, 2017, 715, 471-485.	2.8	33
9	Sn addition on the tensile properties of high temperature Znâ€“4Alâ€“3Mg solder alloys. Microelectronics Reliability, 2012, 52, 579-584.	0.9	22
10	Microstructural and mechanical properties of in-situ micro-laminated TiC/Ti composite synthesised. Materials Letters, 2018, 228, 1-4.	1.3	21
11	Microstructures and mechanical properties of CoCrFeNiHfx high-entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 792, 139820.	2.6	21
12	Effects of Si additions on microstructures and mechanical properties of VNbTiTaSi refractory high-entropy alloys. Journal of Alloys and Compounds, 2022, 900, 163517.	2.8	19
13	Static and dynamic mechanical properties of Yttrium Aluminum Garnet (YAG). Ceramics International, 2019, 45, 12256-12263.	2.3	18
14	Mechanisms of beta-Sn nucleation and microstructure evolution in Sn-Ag-Cu solders containing titanium. Journal of Alloys and Compounds, 2019, 777, 1357-1366.	2.8	18
15	Influence of tantalum on mechanical, ferroelectric and dielectric properties of Bi-excess Bi3.25La0.75Ti3O12 thin film. Applied Surface Science, 2019, 463, 1141-1147.	3.1	17
16	Effects of Ti foil thickness on microstructures and mechanical properties of in situ synthesized micro-laminated TiC/Ti composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 767, 138296.	2.6	11
17	Controlling Î²Sn grain orientations in electronic interconnects with single-crystal Cobalt substrates. Acta Materialia, 2020, 194, 422-436.	3.8	9
18	Characterization of highly (117)-oriented Bi 3.25 La 0.75 Ti 3 O 12 thin films prepared by rf-magnetron sputtering technique. Solid State Communications, 2018, 278, 31-35.	0.9	6

#	Article	IF	Citations
19	Effect of thickness and crystalline morphology on electrical properties of rf-magnetron sputtering deposited Bi4Ti3O12 thin films. Ceramics International, 2018, 44, 20465-20471.	2.3	5
20	Crystallization evolution and ferroelectric behavior of Bi3.25La0.75Ti3O12-based thin films prepared by rf-magnetron sputtering. Journal of Materials Science: Materials in Electronics, 2019, 30, 8974-8979.	1.1	2
21	Solidification of Sn-3Ag-0.5Cu and Sn-0.7Cu-0.05Ni Solders. Materials Science Forum, 0, 857, 44-48.	0.3	1