

Mohammed S Gumaan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1429695/publications.pdf>

Version: 2024-02-01

10
papers

154
citations

1307594

7
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

84
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural and mechanical characterization of melt spun process Sn-3.5Ag and Sn-3.5Ag-xCu lead-free solders for low cost electronic assembly. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 690, 446-452.	5.6	39
2	Design and Properties of New Lead-Free Solder Joints Using Sn-3.5Ag-Cu Solder. <i>Silicon</i> , 2018, 10, 1861-1871.	3.3	32
3	Copper effects in mechanical, thermal and electrical properties of rapidly solidified eutectic Sn-Ag alloy. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8886-8894.	2.2	23
4	Nickel effects on the structural and some physical properties of the eutectic Sn-Ag lead-free solder alloy. <i>Soldering and Surface Mount Technology</i> , 2019, 31, 40-51.	1.5	19
5	Chromium improvements on the mechanical performance of a rapidly solidified eutectic Sn-Ag alloy. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10731-10737.	2.2	15
6	Reliable Sn-Ag-Cu lead-free melt-spun material required for high-performance applications. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019, 234, 757-767.	0.8	10
7	Chromium effects on the microstructural, mechanical and thermal properties of a rapidly solidified eutectic Sn-Ag alloy. <i>Soldering and Surface Mount Technology</i> , 2019, 32, 137-145.	1.5	8
8	Effect of TiO ₂ nanoparticles on the microstructure, mechanical and thermal properties of rapid quenching SAC355 lead-free solder alloy. <i>Soldering and Surface Mount Technology</i> , 2023, 35, 18-27.	1.5	6
9	A note on Topological indices and coindices of disjunction and symmetric difference of graphs. <i>Discrete Applied Mathematics</i> , 2021, 304, 230-235.	0.9	2
10	ZnO nanoparticles and compositional dependence of structural, thermal, mechanical, and electrical properties for eutectic SAC355 lead-free solder alloys. <i>Results in Materials</i> , 2022, , 100285.	1.8	0