

Siwei Tang

List of Publications by Year in descending order

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14
papers

162
citations

1307594

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1125743

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15
all docs

15
docs citations

15
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of parameters in laser powder deposition AlSi10Mg alloy using Taguchi method. Optics and Laser Technology, 2019, 111, 470-480.	4.6	76
2	Growth of skyrmionic MnSi nanowires on Si: Critical importance of the SiO ₂ layer. Nano Research, 2014, 7, 1788-1796.	10.4	11
3	Effect of annealing treatment on the microstructure and mechanical properties of hot compression Au ₈₀ Sn ₂₀ alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 722, 69-75.	5.6	11
4	Formation of nano-phase Co ₃ Fe ₇ intermetallic and its strengthening in Au ₈₀ Sn ₂₀ /CrMnFeCoNi solder interface. Journal of Alloys and Compounds, 2020, 843, 155924.	5.5	11
5	Dimensionality Effects in FeGe ₂ Nanowires: Enhanced Anisotropic Magnetization and Anomalous Electrical Transport. Scientific Reports, 2017, 7, 7126.	3.3	9
6	Effects of cooling rate and magnetic field on solidification characteristics of Au ₈₀ Sn ₂₀ eutectic solder. Journal of Materials Science: Materials in Electronics, 2018, 29, 436-445.	2.2	9
7	A novel interface strengthening layer: Nanoscale AuCu super-structure formed during Au ₈₀ Sn ₂₀ /Cu rapid solidification soldering process. Materials Characterization, 2018, 135, 214-220.	4.4	9
8	Tuning the electrical resistivity of conductive silver paste prepared by blending multi-morphologies and micro-nanometers silver powder. Journal of Materials Science: Materials in Electronics, 2021, 32, 13777-13786.	2.2	8
9	Morphology Evolution of Mn-Si Composition Gradient Micro/Nanomaterials Prepared by Oxygen Assisted Chemical Vapor Deposition. Journal of Nanomaterials, 2018, 2018, 1-7.	2.7	4
10	Tuning the microstructure and enhancing the mechanical properties of Au-20Sn/Au/Ni(P)/Kovar joint by ultrasonic-assisted soldering method. Journal of Materials Research and Technology, 2021, 14, 703-718.	5.8	4
11	New method for preparing micron porous aluminium via powder metallurgy. Materials Science and Technology, 2018, 34, 1295-1302.	1.6	3
12	Growth of the nano-phase intermetallic compounds and its effect on mechanical behavior of Au ₈₀ Sn ₂₀ /CrMnFeCoNi solder joints during isothermal aging. Journal of Alloys and Compounds, 2021, 859, 157823.	5.5	3
13	Transitions of complex spin spiral magnetic structure in FeGe ₂ nanowires based on the magnetism comparison with FeGe ₂ films and unique transport properties. AIP Advances, 2018, 8, 065220.	1.3	2
14	Effect of suction casting process on microstructure and mechanical properties of Au ₈₀ Sn ₂₀ alloy flake. Materials Research Express, 2019, 6, 076561.	1.6	1