

# Siwei Tang

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

162  
citations

1307594

7  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of the nano-phase intermetallic compounds and its effect on mechanical behavior of Au80Sn20/CrMnFeCoNi solder joints during isothermal aging. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157823.	5.5	3
2	Tuning the electrical resistivity of conductive silver paste prepared by blending multi-morphologies and micro-nanometers silver powder. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13777-13786.	2.2	8
3	Tuning the microstructure and enhancing the mechanical properties of Au-20Sn/Au/Ni(P)/Kovar joint by ultrasonic-assisted soldering method. <i>Journal of Materials Research and Technology</i> , 2021, 14, 703-718.	5.8	4
4	Formation of nano-phase Co3Fe7 intermetallic and its strengthening in Au80Sn20/CrMnFeCoNi solder interface. <i>Journal of Alloys and Compounds</i> , 2020, 843, 155924.	5.5	11
5	Effect of suction casting process on microstructure and mechanical properties of Au80Sn20 alloy flake. <i>Materials Research Express</i> , 2019, 6, 076561.	1.6	1
6	Optimization of parameters in laser powder deposition AlSi10Mg alloy using Taguchi method. <i>Optics and Laser Technology</i> , 2019, 111, 470-480.	4.6	76
7	Effect of annealing treatment on the microstructure and mechanical properties of hot compression Au80Sn20 alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 722, 69-75.	5.6	11
8	New method for preparing micron porous aluminium via powder metallurgy. <i>Materials Science and Technology</i> , 2018, 34, 1295-1302.	1.6	3
9	Effects of cooling rate and magnetic field on solidification characteristics of Au80Sn20 eutectic solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 436-445.	2.2	9
10	A novel interface strengthening layer: Nanoscale AuCu super-structure formed during Au80Sn20/Cu rapid solidification soldering process. <i>Materials Characterization</i> , 2018, 135, 214-220.	4.4	9
11	Transitions of complex spin spiral magnetic structure in FeGe2 nanowires based on the magnetism comparison with FeGe2 films and unique transport properties. <i>AIP Advances</i> , 2018, 8, 065220.	1.3	2
12	Morphology Evolution of Mn-Si Composition Gradient Micro/Nanomaterials Prepared by Oxygen Assisted Chemical Vapor Deposition. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-7.	2.7	4
13	Dimensionality Effects in FeGe2 Nanowires: Enhanced Anisotropic Magnetization and Anomalous Electrical Transport. <i>Scientific Reports</i> , 2017, 7, 7126.	3.3	9
14	Growth of skyrmionic MnSi nanowires on Si: Critical importance of the SiO2 layer. <i>Nano Research</i> , 2014, 7, 1788-1796.	10.4	11