

# Jianglei Fan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2632720/publications.pdf>

Version: 2024-02-01

22  
papers

358  
citations

840776

11  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

197  
citing authors

#	ARTICLE	IF	CITATIONS
1	The microstructure parameters and microhardness of directionally solidified Ti-43Al-3Si alloy. <i>Journal of Alloys and Compounds</i> , 2010, 506, 593-599.	5.5	50
2	Dependency of microhardness on solidification processing parameters and microstructure characteristics in the directionally solidified Ti-46Al-0.5W-0.5Si alloy. <i>Journal of Alloys and Compounds</i> , 2010, 504, 60-64.	5.5	49
3	Effect of growth rate on microstructure parameters and microhardness in directionally solidified Ti-49Al alloy. <i>Materials &amp; Design</i> , 2012, 34, 552-558.	5.1	39
4	Dependency of microstructure parameters and microhardness on the temperature gradient for directionally solidified Ti-49Al alloy. <i>Materials Chemistry and Physics</i> , 2011, 130, 1232-1238.	4.0	27
5	Lamellar orientation and growth direction of $\beta$ phase in directionally solidified Ti-46Al-0.5W-0.5Si alloy. <i>Intermetallics</i> , 2012, 27, 38-45.	3.9	25
6	Effect of solidification parameters on microstructural characteristics and mechanical properties of directionally solidified binary TiAl alloy. <i>Journal of Alloys and Compounds</i> , 2015, 650, 8-14.	5.5	20
7	Effect of Cr-Fe on friction and wear properties of Cu-based friction material. <i>Materials Science and Technology</i> , 2018, 34, 869-875.	1.6	18
8	Microstructure evolution of directionally solidified Ti-46Al-0.5W-0.5Si alloy. <i>Journal of Crystal Growth</i> , 2011, 337, 52-59.	1.5	17
9	Synthesis and Magnetic Properties of Soft Magnetic Composites Based on Silicone Resin-Coated Iron Powders. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 587-595.	1.8	17
10	Directional solidification of Ti-49 at.%Al alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 239-248.	2.3	16
11	Effect of Co content on the microstructure, spreadability, conductivity and corrosion resistance of Sn-0.7Cu alloy. <i>Microelectronics Reliability</i> , 2020, 107, 113615.	1.7	13
12	Effects of solidification parameters on the growth direction of $\beta$ phase in directionally solidified Ti-49Al alloy. <i>Intermetallics</i> , 2017, 90, 113-118.	3.9	11
13	Effect of carbon-fibre powder on friction and wear properties of copper-matrix composites. <i>Materials Science and Technology</i> , 2020, 36, 92-99.	1.6	11
14	Recent research and development of mould materials for casting TiAl alloys. <i>Materials Science and Technology</i> , 2019, 35, 891-899.	1.6	8
15	Microstructure Evolution, Thermal and Mechanical Property of Co Alloyed Sn-0.7Cu Lead-Free Solder. <i>Journal of Electronic Materials</i> , 2020, 49, 2660-2668.	2.2	8
16	Microstructure formation and interface characteristics of directionally solidified TiAl-Si alloys in alumina crucibles with a new Y <sub>2</sub> O <sub>3</sub> skull-aided technology. <i>Scientific Reports</i> , 2017, 7, 45198.	3.3	6
17	Effect of Ni Content on the Microstructure Formation and Properties of Sn-0.7Cu-xNi Solder Alloys. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4934-4943.	2.5	6
18	Effect of the Coke/Flake Graphite Ratio on the Microstructure and Properties of Cu-Based Powder Metallurgy Friction Materials. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 10378-10392.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Lamellae Orientation Control and Mechanical Properties of Directionally Solidified Binary Ti-49Al Alloy in Oxide Ceramics Crucible. <i>International Journal of Metalcasting</i> , 2022, 16, 622-633.	1.9	4
20	Effect of NiO addition on the high-temperature oxidation and corrosion behaviors of Fe-Ni alloy as inert anode material for aluminum electrolysis. <i>Journal of Materials Science</i> , 2020, 55, 4065-4072.	3.7	3
21	Effect of lamellae orientation on tensile properties of directionally solidified Ti-46Al-0.5W-0.5Si alloy. <i>Materials Science and Technology</i> , 2021, 37, 772-784.	1.6	3
22	Effect of Compaction Parameters on the Magnetic and Corrosive Properties of Soft Magnetic Composites with Parylene Insulation. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 4033-4041.	1.8	1