

# Li-Jing Zheng

## List of Publications by Year in descending order

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31  
papers

451  
citations

687363

13  
h-index

752698

20  
g-index

32  
all docs

32  
docs citations

32  
times ranked

376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective laser melting of Al <sub>8.5</sub> Fe <sub>1.3</sub> V <sub>1.7</sub> Si alloy: Investigation on the resultant microstructure and hardness. Chinese Journal of Aeronautics, 2015, 28, 564-569.	5.3	56
2	Improvement of the corrosion and tribological properties of CSS-42L aerospace bearing steel using carbon ion implantation. Applied Surface Science, 2017, 392, 305-311.	6.1	39
3	Selective Laser Melting of an Al-Fe-V-Si Alloy: Microstructural Evolution and Thermal Stability. Journal of Materials Science and Technology, 2017, 33, 389-396.	10.7	38
4	Effects of Nb additions on the precipitate morphology and hardening behavior of Ni-rich Ni55Ti45 alloys. Journal of Alloys and Compounds, 2018, 735, 2453-2461.	5.5	34
5	Structure and corrosion properties of Cr coating deposited on aerospace bearing steel. Applied Surface Science, 2017, 423, 695-703.	6.1	33
6	Characterization of Al-Fe-V-Si heat-resistant aluminum alloy components fabricated by selective laser melting. Journal of Materials Research, 2015, 30, 1661-1669.	2.6	28
7	Selective laser melting of Al-Fe-V-Si heat-resistant aluminum alloy powder: modeling and experiments. International Journal of Advanced Manufacturing Technology, 2015, 80, 1787-1797.	3.0	28
8	Microstructure and mechanical properties of Al-Fe-V-Si aluminum alloy produced by electron beam melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 659, 207-214.	5.6	26
9	Corrosion resistance of carbon ion-implanted M50NiL aerospace bearing steel. Progress in Natural Science: Materials International, 2017, 27, 615-621.	4.4	26
10	Corrosion properties of carbon ions implanted chromium coating prepared on CSS-42L aerospace bearing steel. Surface and Coatings Technology, 2018, 349, 392-399.	4.8	20
11	Effect of Ni content and Hf addition on the unlubricated wear performance of Ni-rich NiTi alloys. Intermetallics, 2019, 112, 106548.	3.9	20
12	Evolution of carbides on surface of carburized M50NiL bearing steel. Journal of Iron and Steel Research International, 2018, 25, 1198-1211.	2.8	16
13	Corrosion and mechanical properties for Cr-coated CSS-42L bearing steel after Ti and C ions co-implantation. Applied Surface Science, 2020, 509, 145293.	6.1	16
14	Microstructure, cracking behavior and control of Al-Fe-V-Si alloy produced by selective laser melting. Rare Metals, 2023, 42, 1353-1362.	7.1	11
15	High temperature tensile properties of directionally solidified Ni-43Ti-4Al-2Nb-2Hf alloy. Rare Metals, 2012, 31, 328-331.	7.1	9
16	Effect of casting temperature on microstructure in a directionally solidified Ni-44Ti-5Al-2Nb-1Mo alloy. Rare Metals, 2011, 30, 349-353.	7.1	7
17	Effects of Hf additions on the microstructures and mechanical properties of Ni-rich Ni55Ti45 alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 815, 141263.	5.6	7
18	Microstructural characteristics of directionally solidified Ni-43Ti-4Al-2Nb-2Hf alloy. Rare Metals, 2011, 30, 340-344.	7.1	6

#	ARTICLE	IF	CITATIONS
19	Microstructure evolution of Ti-47Al-2Cr-2Nb alloy in the liquid-metal-cooling (LMC) directional-solidification process. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 197-201.	1.0	6
20	Corrosion behavior of Mg <sub>65</sub> Cu <sub>25</sub> ~x Zn x Gd <sub>10</sub> (x=0, 5) metallic glass. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 678-682.	1.0	4
21	Microstructural evolution of a PM TiAl alloy during heat treatment in $\hat{1}\pm\hat{1}^3$ phase field. Rare Metals, 2012, 31, 424-429.	7.1	4
22	Microstructure evolution of directionally solidified Ni $\hat{e}$ 43Ti $\hat{e}$ 7Al alloy during heat treatment. Journal of Materials Science, 2013, 48, 2176-2187.	3.7	4
23	Microstructural characterization in 7 at% Al-containing NiTi-based alloys. Rare Metals, 2014, 33, 534-540.	7.1	4
24	Microstructure and Corrosion Characterization of Cr Film on Carburized CSS-42L Aerospace Bearing Steel by Filtered Cathodic Vacuum Arc Deposition. Coatings, 2018, 8, 313.	2.6	3
25	Microstructural refinement and enhanced mechanical properties of suction-cast NiTi-Al alloy for structural use. Rare Metals, 2015, , 1.	7.1	2
26	Microstructural evolution of Ti $\hat{e}$ 47Al $\hat{e}$ 2Cr $\hat{e}$ 2Nb $\hat{e}$ 0.8B alloy prepared by semi-solid process. Rare Metals, 2020, 39, 1262-1266.	7.1	2
27	Structure relaxation of Mg <sub>65</sub> Cu <sub>25</sub> Gd <sub>10</sub> metallic glass and its effect on strength. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 210-213.	1.0	1
28	Grain orientation dependence of $\hat{r}$ % phase precipitation in ordered body-centered cubic NiTi based alloys. Intermetallics, 2019, 108, 77-80.	3.9	1
29	EXAFS studies on local atomic structure in the amorphous Mg <sub>65</sub> Cu <sub>25</sub> Gd <sub>10</sub> alloy. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 98-101.	1.0	0
30	Effect of Heat Treatments on Phase Transformation and Tensile Properties in Cast Ti-47Al-2Cr-2Nb Alloy. High Temperature Materials and Processes, 2012, 31, .	1.4	0
31	Growth Directions of Primary Phases in Directionally Solidified Ti-45Al-7Nb Alloys. High Temperature Materials and Processes, 2013, 32, 69-75.	1.4	0