

# Libo Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

486  
citations

840776

11  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective laser melting of pure tantalum: Densification, microstructure and mechanical behaviors. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 707, 443-451.	5.6	95
2	Anisotropic mechanical behavior of biomedical Ti-13Nb-13Zr alloy manufactured by selective laser melting. <i>Journal of Alloys and Compounds</i> , 2018, 762, 289-300.	5.5	75
3	Mechanical and corrosion behavior of titanium alloys additively manufactured by selective laser melting " A comparison between nearly $\beta^2$ titanium, $\beta^1$ titanium and $\beta^1 + \beta^2$ titanium. <i>Optics and Laser Technology</i> , 2019, 119, 105625.	4.6	73
4	Microstructure and mechanical properties of selective laser melted biomaterial Ti-13Nb-13Zr compared to hot-forging. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 725, 329-340.	5.6	48
5	Densification, microstructure evolution and fatigue behavior of Ti-13Nb-13Zr alloy processed by selective laser melting. <i>Powder Technology</i> , 2019, 342, 11-23.	4.2	39
6	Microstructures and mechanical property of AlMgScZrMn - A comparison between selective laser melting, spark plasma sintering and cast. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 756, 354-364.	5.6	31
7	Microstructure tailoring to enhance strength and ductility in pure tantalum processed by selective laser melting. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 785, 139352.	5.6	25
8	Microstructure and mechanical performance tailoring of Ti-13Nb-13Zr alloy fabricated by selective laser melting after post heat treatment. <i>Journal of Alloys and Compounds</i> , 2019, 775, 1164-1176.	5.5	21
9	Texture evolution, phase transformation and mechanical properties of selective laser melted Ti-13Nb-13Zr. <i>Materials Characterization</i> , 2018, 145, 185-195.	4.4	20
10	Effects of Ta content on phase transformation in selective laser melting processed Ti-13Nb-13Zr alloy and its correlation with elastic properties. <i>Vacuum</i> , 2021, 183, 109798.	3.5	20
11	Microstructure tailoring of Ti-15Mo alloy fabricated by selective laser melting with high strength and ductility. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 826, 141962.	5.6	17
12	The anisotropic of corrosion and tribocorrosion behaviors of Ti 15Mo alloy fabricated by selective laser melting. <i>Materials Characterization</i> , 2022, 190, 112000.	4.4	11
13	Effects of tantalum addition on microstructure and properties of titanium alloy fabricated by laser powder bed fusion. <i>Journal of Central South University</i> , 2021, 28, 1111-1128.	3.0	7
14	A new insight into the $\beta^1$ phase precipitation in $\beta^2$ titanium alloy. <i>Vacuum</i> , 2021, 189, 110272.	3.5	4