Qiang Zhang

List of Publications by Year
in descending order

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22	764	566801 15	676716 22
papers	citations	h-index	g-index

22	22	22	522
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of Î± phase evolution and tensile fracture behavior of Ti5Al2Sn2Zr4Mo4Cr alloy fabricated by directed energy deposition. Journal of Alloys and Compounds, 2022, 900, 163497.	2.8	2
2	Refined microstructure and enhanced wear resistance of titanium matrix composites produced by selective laser melting. Optics and Laser Technology, 2021, 134, 106644.	2.2	39
3	Grain refinement and improved tensile properties of Ti5Al2Sn2Zr4Mo4Cr titanium alloy fabricated by laser solid forming. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 800, 140388.	2.6	14
4	On the role of energy input in the surface morphology and microstructure during selective laser melting of Inconel 718 alloy. Journal of Materials Research and Technology, 2021, 11, 392-403.	2.6	22
5	Evolution of Heterogeneous Microstructure and its Effects on Tensile Properties of Selective Laser Melted AlSi10Mg Alloy. Journal of Materials Engineering and Performance, 2021, 30, 4341-4355.	1.2	9
6	Influence of heat treatments on the microstructure and mechanical properties of Inconel 625 fabricated by directed energy deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 817, 141309.	2.6	33
7	The select of internal architecture for porous Ti alloy scaffold: A compromise between mechanical properties and permeability. Materials and Design, 2020, 192, 108754.	3.3	89
8	Effects of Powder Feed Rate on Formation of Fully Equiaxed Î² Grains in Titanium Alloys Fabricated by Directed Energy Deposition. Metals, 2020, 10, 521.	1.0	6
9	A novel method for the molten pool and porosity formation modelling in selective laser melting. International Journal of Heat and Mass Transfer, 2019, 140, 1091-1105.	2.5	87
10	Effect of Heat Treatment on Microstructure Evolution and Mechanical Properties of Selective Laser Melted Inconel 718 Alloy. Journal of Materials Engineering and Performance, 2019, 28, 5376-5386.	1.2	7
11	Microstructure, mechanical properties and corrosion behaviors of biomedical Ti-Zr-Mo-xMn alloys for dental application. Corrosion Science, 2019, 161, 108195.	3.0	65
12	Surface morphology evolution during pulsed selective laser melting: Numerical and experimental investigations. Applied Surface Science, 2019, 496, 143649.	3.1	32
13	A Processing Route for Achieving Isotropic Tensile Properties in Laser Solid Formed Î±+Î² Titanium Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 3651-3662.	1.1	19
14	Microstructure and mechanical properties of laser additive repaired Ti17 titanium alloy. Transactions of Nonferrous Metals Society of China, 2017, 27, 2613-2621.	1.7	27
15	Influence of solution treatment on microstructure evolution of TC21 titanium alloy with near equiaxed Î² grains fabricated by laser additive manufacture. Journal of Alloys and Compounds, 2016, 666, 380-386.	2.8	25
16	Microstructure evolution and mechanical properties of laser additive manufactured Tiâ€“5Alâ€“2Snâ€“2Zrâ€“4Moâ€“4Cr alloy. Transactions of Nonferrous Metals Society of China, 2016, 26, 2058-2066.	1.7	36
17	Microstructure and anisotropic tensile behavior of laser additive manufactured TC21 titanium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 673, 204-212.	2.6	71
18	Grain morphology control and texture characterization of laser solid formed Ti6Al2Sn2Zr3Mo1.5Cr2Nb titanium alloy. Journal of Materials Processing Technology, 2016, 238, 202-211.	3.1	75

#	Article	IF	Citations
19	Solidification Microstructure of Laser Additive Manufactured Ti6Al2Zr2Sn3Mo1.5Cr2Nb Titanium Alloy. Journal of Materials Science and Technology, 2016, 32, 381-386.	5.6	34
20	Texture and microstructure characterization in laser additive manufactured Tiâ€“6Alâ€“2Zrâ€“2Snâ€“3Moâ€“1.5Crâ€“2Nb titanium alloy. Materials and Design, 2015, 88, 550-557.	3.3	56
21	Relationship among Microstructure, Defects and Performance of Ti60 Titanium Alloy Fabricated by Laser Solid Forming. Rare Metal Materials and Engineering, 2014, 43, 548-552.	0.8	15
22	Microstructure characteristics of laser forming repaired Ti60 alloy. Chinese Optics Letters, 2011, 9, 071402-71405.	1.3	1