Ali Keshavarzkermani

List of Publications by Year
in descending order

16	659	840776 11	996975 15
papers	citations	h-index	g-index

16	16	16	511
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the effect of thin-wall thickness on melt pool dimensions in laser powder-bed fusion of Hastelloy X: Numerical modeling and experimental validation. Journal of Manufacturing Processes, 2022, 75, 435-449.	5.9	17
2	Fatigue Characterization and Modeling of Additively Manufactured Hastelloy-X Superalloy. Journal of Materials Engineering and Performance, 2022, 31, 6234-6245.	2.5	3
3	Effect of Microsegregation on Highâ€Temperature Microstructure Evolution in Rapid Solidification Processed Nbâ€Rich Ni Superalloys. Advanced Engineering Materials, 2021, 23, 2001396.	3.5	4
4	On the effect of laser powder-bed fusion process parameters on quasi-static and fatigue behaviour of Hastelloy X: A microstructure/defect interaction study. Additive Manufacturing, 2021, 38, 101805.	3.0	17
5	Static recrystallization impact on grain structure and mechanical properties of heat-treated Hastelloy X produced via laser powder-bed fusion. Materials Characterization, 2021, 173, 110969.	4.4	40
6	Columnar-to-equiaxed grain transition in powder bed fusion via mimicking casting solidification and promoting in situ recrystallization. Additive Manufacturing, 2021, 46, 102086.	3.0	7
7	Influence of Pore Formation and Its Role on the Tensile Properties of 17-4 PH Stainless Steel Fabricated by Laser Powder Bed Fusion. Minerals, Metals and Materials Series, 2021, , 131-141.	0.4	0
8	Customizing mechanical properties of additively manufactured Hastelloy X parts by adjusting laser scanning speed. Journal of Alloys and Compounds, 2020, 812, 152097.	5.5	62
9	Heat source model calibration for thermal analysis of laser powder-bed fusion. International Journal of Advanced Manufacturing Technology, 2020, 106, 3367-3379.	3.0	34
10	Enhancing fatigue life of additive manufactured parts with electrospark deposition post-processing. Additive Manufacturing, 2020, 36, 101526.	3.0	8
11	On the measurement of effective powder layer thickness in laserÂpowder-bed fusion additive manufacturing of metals. Progress in Additive Manufacturing, 2019, 4, 109-116.	4.8	33
12	Controlling mechanical properties of additively manufactured hastelloy X by altering solidification pattern during laser powder-bed fusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 762, 138081.	5.6	96
13	An investigation into the effect of process parameters on melt pool geometry, cell spacing, and grain refinement during laser powder bed fusion. Optics and Laser Technology, 2019, 116, 83-91.	4.6	102
14	Identification and characterization of spatter particles and their effect on surface roughness, density and mechanical response of 17-4â€PH stainless steel laser powder-bed fusion parts. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 756, 98-107.	5.6	81
15	On the effect of spatter particles distribution on the quality of Hastelloy X parts made by laser powder-bed fusion additive manufacturing. Journal of Manufacturing Processes, 2019, 37, 11-20.	5.9	84
16	Direct metal laser melting of Inconel 718: Process impact on grain formation and orientation. Journal of Alloys and Compounds, 2018, 736, 297-305.	5.5	71