

Ali Keshavarzkermani

List of Publications by Year in descending order

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16
papers

659
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

511
citing authors

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