

Jun Song

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

481
citations

1163117

8
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

336
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical behaviours and mass transport properties of bone-mimicking scaffolds consisted of gyroid structures manufactured using selective laser melting. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 93, 158-169.	3.1	141
2	Manufacturability, Mechanical Properties, Mass-Transport Properties and Biocompatibility of Triply Periodic Minimal Surface (TPMS) Porous Scaffolds Fabricated by Selective Laser Melting. <i>Materials and Design</i> , 2020, 195, 109034.	7.0	101
3	Effect of heat treatment on microstructure and mechanical behaviours of 18Ni-300 maraging steel manufactured by selective laser melting. <i>Optics and Laser Technology</i> , 2019, 120, 105725.	4.6	81
4	Design, mechanical properties and energy absorption capability of graded-thickness triply periodic minimal surface structures fabricated by selective laser melting. <i>International Journal of Mechanical Sciences</i> , 2021, 204, 106586.	6.7	79
5	Effect of remelting processes on the microstructure and mechanical behaviours of 18Ni-300 maraging steel manufactured by selective laser melting. <i>Materials Characterization</i> , 2022, 184, 111648.	4.4	21
6	Investigation on the mechanical properties of TPMS porous structures fabricated by laser powder bed fusion. <i>Journal of Manufacturing Processes</i> , 2022, 76, 559-574.	5.9	19
7	Numerical investigation of the mechanism of interfacial dynamics of the melt pool and defects during laser powder bed fusion. <i>Optics and Laser Technology</i> , 2021, 143, 107289.	4.6	17
8	Investigation on the modelling approach for variable-density lattice structures fabricated using selective laser melting. <i>Materials and Design</i> , 2021, 212, 110236.	7.0	11
9	The relationship between the macro- and microstructure and the mechanical properties of selective-laser-melted Ti6Al4V samples under low energy inputs: Simulation and experiment. <i>Optics and Laser Technology</i> , 2022, 148, 107713.	4.6	7
10	Finite Element Analysis on Mechanical Properties of Selective Laser Melting-Produced Stainless Steel 316L Lattice Structures under Impact Loading. <i>Journal of Materials Engineering and Performance</i> , 2023, 32, 438-449.	2.5	3