

3D printing of Aluminium alloys: Additive Manufacturing selective laser melting

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Deep Look at Metal Additive Manufacturing Recycling and Use Tools for Sustainability Performance. Sustainability, 2019, 11, 5494.	1.6	33
2	Structural and atomic displacement evaluations of Aluminium nanoparticle in thermal annealing treatment: an insight through molecular dynamic simulations. Materials Research Express, 2019, 6, 1250b9.	0.8	5
3	Influence of as-built surfaces on the fatigue behavior of AlSi10Mg parts obtained by laser powder bed fusion. Procedia Structural Integrity, 2019, 24, 381-389.	0.3	2
4	On the Effectiveness of Different Surface Finishing Techniques on A357.0 Parts Produced by Laser-Based Powder Bed Fusion: Surface Roughness and Fatigue Strength. Metals, 2019, 9, 1284.	1.0	21
5	Influence of aging and HIP treatment on the structure and properties of NiAl-based turbine blades manufactured by laser powder bed fusion. Additive Manufacturing, 2020, 31, 100999.	1.7	13
6	The Effects of Feature Sizes in Selectively Laser Melted Ti-6Al-4V Parts on the Validity of Optimised Process Parameters. Materials, 2020, 13, 117.	1.3	41
7	Microstructure and Mechanical Properties of Al-12Si Alloys Fabricated by Ultrasonic-Assisted Laser Metal Deposition. Materials, 2020, 13, 126.	1.3	22
8	Correlation between forming quality and spatter dynamics in laser powder bed fusion. Additive Manufacturing, 2020, 31, 100958.	1.7	40
9	Influence on microstructure, strength and ductility of build platform temperature during laser powder bed fusion of AlSi10Mg. Acta Materialia, 2020, 201, 231-243.	3.8	111
10	On Additive Manufactured AlSi10Mg to Wrought AA6060-T6: Characterisation of Optimal- and High-Energy Magnetic Pulse Welding Conditions. Metals, 2020, 10, 1235.	1.0	6
11	Challenges and proposed solutions for aluminium in laser powder bed fusion. Procedia CIRP, 2020, 93, 114-119.	1.0	8
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18	Modeling and numerical studies of selective laser melting: Multiphase flow, solidification and heat transfer. Materials and Design, 2020, 196, 109115.	3.3	36

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20	Synthesis of precipitation-strengthened Al-Sc, Al-Zr and Al-Sc-Zr alloys via selective laser melting of elemental powder blends. <i>Additive Manufacturing</i> , 2020, 36, 101461.	1.7	15
21	Manufacturability analysis of metal laser-based powder bed fusion additive manufacturing—a survey. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 57-78.	1.5	21
22	Formation of multiple intermetallic phases in a hypereutectic Al-Fe binary alloy additively manufactured by laser powder bed fusion. <i>Intermetallics</i> , 2020, 125, 106892.	1.8	36
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#	ARTICLE	IF	CITATIONS
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