Florian Huber

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Laser beam melting and heat-treatment of 1.2343 (AISI H11) tool steel – microstructure and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 742, 109-115.	5.6	51
2	Processing of AISI H11 Tool Steel Powder Modified with Carbon Black Nanoparticles for the Additive Manufacturing of Forging Tools with Tailored Mechanical Properties by Means of Laser Metal Deposition (LMD). Metals, 2018, 8, 659.	2.3	22
3	In Situ Formation of a Metastable β-Ti Alloy by Laser Powder Bed Fusion (L-PBF) of Vanadium and Iron Modified Ti-6Al-4V. Metals, 2018, 8, 1067.	2.3	18
4	Customized exposure strategies for manufacturing hybrid parts by combining laser beam melting and sheet metal forming. Journal of Laser Applications, 2019, 31, .	1.7	18
5	Laser Beam Melting of NdFeB for the production of rare-earth magnets. , 2016, , .		17
6	In-Situ Alloy Formation of a WMoTaNbV Refractory Metal High Entropy Alloy by Laser Powder Bed Fusion (PBF-LB/M). Materials, 2021, 14, 3095.	2.9	16
7	Laser Powder Bed Fusion (PBF-LB/M) Process Strategies for In-Situ Alloy Formation with High-Melting Elements. Metals, 2021, 11, 336.	2.3	15
8	Qualification of channels produced by laser powder bed fusion: Analysis of cleaning methods, flow rate and melt pool monitoring data. Additive Manufacturing, 2019, 25, 430-436.	3.0	14
9	Influences of process parameters on rare earth magnets produced by laser beam melting. , 2017, , .		12
10	Influence of a bending operation on the bonding strength for hybrid parts made of Ti-6Al-4V. Procedia CIRP, 2018, 74, 290-294.	1.9	12
11	In situ modification of case-hardening steel 16MnCr5 by C and WC addition by means of powder bed fusion with laser beam of metals (PBF-LB/M). International Journal of Advanced Manufacturing Technology, 2022, 120, 1729-1745.	3.0	7
12	Systematic exploration of the L-PBF processing behavior and resulting properties of Î ² -stabilized Ti-alloys prepared by in-situ alloy formation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 818, 141374.	5.6	6
13	Nanoparticle Additivation Effects on Laser Powder Bed Fusion of Metals and Polymers—A Theoretical Concept for an Inter-Laboratory Study Design All Along the Process Chain, Including Research Data Management. Materials, 2021, 14, 4892.	2.9	6