

# Florian Huber

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

214  
citations

1162367

8  
h-index

1281420

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser beam melting and heat-treatment of 1.2343 (AISI H11) tool steel – microstructure and mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 742, 109-115.	2.6	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). <i>Metals</i> , 2018, 8, 659.	1.0	22
3	In Situ Formation of a Metastable $\beta$ -Ti Alloy by Laser Powder Bed Fusion (L-PBF) of Vanadium and Iron Modified Ti-6Al-4V. <i>Metals</i> , 2018, 8, 1067.	1.0	18
4	Customized exposure strategies for manufacturing hybrid parts by combining laser beam melting and sheet metal forming. <i>Journal of Laser Applications</i> , 2019, 31, .	0.8	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). <i>Materials</i> , 2021, 14, 3095.	1.3	16
7	Laser Powder Bed Fusion (PBF-LB/M) Process Strategies for In-Situ Alloy Formation with High-Melting Elements. <i>Metals</i> , 2021, 11, 336.	1.0	15
8	Qualification of channels produced by laser powder bed fusion: Analysis of cleaning methods, flow rate and melt pool monitoring data. <i>Additive Manufacturing</i> , 2019, 25, 430-436.	1.7	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. <i>Procedia CIRP</i> , 2018, 74, 290-294.	1.0	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). <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 1729-1745.	1.5	7
12	Systematic exploration of the L-PBF processing behavior and resulting properties of $\beta$ -stabilized Ti-alloys prepared by in-situ alloy formation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 818, 141374.	2.6	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. <i>Materials</i> , 2021, 14, 4892.	1.3	6