Tomasz Kurzynowski

List of Publications by Year
in descending order

35 papers	1,802 citations	516215 16 h-index	414034 32 g-index
35 all docs	35 docs citations	35 times ranked	1913 citing authors

#	Article	IF	Citations
1	Effect of heat treatment on the microstructure and mechanical properties of Inconel 718 processed by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 647-655.	2.6	520
2	Correlation between process parameters, microstructure and properties of 316â€L stainless steel processed by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 718, 64-73.	2.6	337
3	Microstructure and mechanical behaviour of Tiâ€•6Alâ€•7Nb alloy produced by selective laser melting. Materials Characterization, 2011, 62, 488-495.	1.9	333
4	The potential of SLM technology for processing magnesium alloys in aerospace industry. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	1.9	75
5	Effect of Scanning and Support Strategies on Relative Density of SLM-ed H13 Steel in Relation to Specimen Size. Materials, 2019, 12, 239.	1.3	48
6	Wear and corrosion behaviour of Inconel 718 laser surface alloyed with rhenium. Materials and Design, 2017, 132, 349-359.	3.3	46
7	Laser powder bed fusion of AA7075 alloy: Influence of process parameters on porosity and hot cracking. Additive Manufacturing, 2020, 35, 101270.	1.7	46
8	Pamidronate Enhances Bacterial Adhesion to Bone Hydroxyapatite. Another Puzzle in the Pathology of Bisphosphonate-Related Osteonecrosis of the Jaw?. Journal of Oral and Maxillofacial Surgery, 2013, 71, 1010-1016.	0.5	44
9	Titanium alloyed with rhenium by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 620, 155-163.	2.6	43
10	Mechanical properties of Inconel 718 additively manufactured by laser powder bed fusion after industrial high-temperature heat treatment. Journal of Manufacturing Processes, 2022, 73, 642-659.	2.8	42
11	Parameters in selective laser melting for processing metallic powders. Proceedings of SPIE, 2012, , .	0.8	33
12	Evaluation of Inconel 718 Metallic Powder to Optimize the Reuse of Powder and to Improve the Performance and Sustainability of the Laser Powder Bed Fusion (LPBF) Process. Materials, 2021, 14, 1538.	1.3	30
13	Microstructure and mechanical properties of Tiâ€"Re alloys manufactured by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 765, 138290.	2.6	26
14	The Effect of EBM Process Parameters on Porosity and Microstructure of Ti-5Al-5Mo-5V-1Cr-1Fe Alloy. Scanning, 2019, 2019, 1-12.	0.7	26
15	Fatigue crack growth rate and tensile strength of Re modified Inconel 718 produced by means of selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 698, 289-301.	2.6	25
16	Selective laser melting of magnesium AZ31B alloy powder. Rapid Prototyping Journal, 2019, 26, 249-258.	1.6	25
17	The Effect of Rhenium Addition on Microstructure and Corrosion Resistance of Inconel 718 Processed by Selective Laser Melting. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 6479-6489.	1.1	14
18	Preparation and physical characteristics of graphene ceramics. Scientific Reports, 2020, 10, 11121.	1.6	13

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19	Hot Corrosion of Tiâ€“Re Alloys Fabricated by Selective Laser Melting. Oxidation of Metals, 2018, 90, 83-96.	1.0	12
20	X-ray Computed Tomography for the Development of Ballistic Composite. Materials, 2020, 13, 5566.	1.3	11
21	Phase Studies of Additively Manufactured Near Beta Titanium Alloy-Ti55511. Materials, 2020, 13, 1723.	1.3	11
22	Composite Laser-Clad Coating on Titanium Substrate Using Pure Hydroxyapatite Powder. Powder Metallurgy and Metal Ceramics, 2015, 54, 318-323.	0.4	7
23	Structural investigations of Fe-Zr-Si-Cu metallic glass with low glass-forming ability produced in laser powder bed fusion technology. Materials and Design, 2021, 210, 110112.	3.3	7
24	Effect of stress relief and inherent strain-based pre-deformation on the geometric accuracy of stator vanes additively manufactured from inconel 718 using laser powder bed fusion. Precision Engineering, 2022, 76, 360-376.	1.8	5
25	Fatigue Crack Growth Rates and Tensile Strength of Titanium Produced by Means of Selective Laser Melting. Key Engineering Materials, 0, 627, 305-308.	0.4	4
26	Material Extrusion-Based Additive Manufacturing of Poly(Lactic Acid) Antibacterial Filamentsâ€"A Case Study of Antimicrobial Properties. Polymers, 2021, 13, 4337.	2.0	4
27	Influence of bioactive metal fillers on microstructural homogeneity of PA12 composites produced by polymer Laser Sintering. Archives of Civil and Mechanical Engineering, 2022, 22, 1.	1.9	3
28	The Use of Selective Laser Melting as a Method of New Materials Development. Lecture Notes in Mechanical Engineering, 2019, , 403-410.	0.3	2
29	Possibility for Replicating Mechanoscopic Surface Marks in the Hybrid Vacuum-Pressure Casting Process. Polymers, 2021, 13, 874.	2.0	2
30	Investigation of porosity behavior in SLS polyamide-12 samples using <i>ex-situ</i> X-ray computed tomography. Materials Science-Poland, 2021, 39, 436-445.	0.4	2
31	Method of Medical Equipment Evaluation and Preparation for On-Demand Additive Manufacturing with the Conventional Supply Chain Being Broken: A Case Study of Mask Filter Adapter Production during COVID-19. Applied Sciences (Switzerland), 2021, 11, 12016.	1.3	2
32	Development of manufacturing method of the MAP21 magnesium alloy prepared by selective laser melting (SLM). Acta of Bioengineering and Biomechanics, 2019, 21, 157-168.	0.2	2
33	Influence of laser power on the penetration depth and geometry of scanning tracks in selective laser melting. , 2016, , .		1
34	Processing of Magnesium Alloy by Selective Laser Melting. Lecture Notes in Mechanical Engineering, 2019, , 411-418.	0.3	1
35	The process development of laser surface modification of commercially pure titanium (Grade 2) with rhenium. Proceedings of SPIE, 2016, , .	0.8	0