

# Tomasz Kurzynowski

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Mechanical properties of Inconel 718 additively manufactured by laser powder bed fusion after industrial high-temperature heat treatment. <i>Journal of Manufacturing Processes</i> , 2022, 73, 642-659.  | 2.8 | 42        |
| 2  | 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. <i>Precision Engineering</i> , 2022, 76, 360-376.                                 | 1.8 | 5         |
| 3  | Influence of bioactive metal fillers on microstructural homogeneity of PA12 composites produced by polymer Laser Sintering. <i>Archives of Civil and Mechanical Engineering</i> , 2022, 22, 1.  | 1.9 | 3         |
| 4  | 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. <i>Materials</i> , 2021, 14, 1538.   | 1.3 | 30        |
| 5  | Possibility for Replicating Mechanoscopic Surface Marks in the Hybrid Vacuum-Pressure Casting Process. <i>Polymers</i> , 2021, 13, 874.   | 2.0 | 2         |
| 6  | Structural investigations of Fe-Zr-Si-Cu metallic glass with low glass-forming ability produced in laser powder bed fusion technology. <i>Materials and Design</i> , 2021, 210, 110112.   | 3.3 | 7         |
| 7  | Investigation of porosity behavior in SLS polyamide-12 samples using <i>ex-situ</i> X-ray computed tomography. <i>Materials Science-Poland</i> , 2021, 39, 436-445.   | 0.4 | 2         |
| 8  | 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. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 12016. | 1.3 | 2         |
| 9  | Material Extrusion-Based Additive Manufacturing of Poly(Lactic Acid) Antibacterial Filaments – A Case Study of Antimicrobial Properties. <i>Polymers</i> , 2021, 13, 4337.  | 2.0 | 4         |
| 10 | X-ray Computed Tomography for the Development of Ballistic Composite. <i>Materials</i> , 2020, 13, 5566.  | 1.3 | 11        |
| 11 | Preparation and physical characteristics of graphene ceramics. <i>Scientific Reports</i> , 2020, 10, 11121.   | 1.6 | 13        |
| 12 | The potential of SLM technology for processing magnesium alloys in aerospace industry. <i>Archives of Civil and Mechanical Engineering</i> , 2020, 20, 1.   | 1.9 | 75        |
| 13 | Phase Studies of Additively Manufactured Near Beta Titanium Alloy-Ti55511. <i>Materials</i> , 2020, 13, 1723.   | 1.3 | 11        |
| 14 | Laser powder bed fusion of AA7075 alloy: Influence of process parameters on porosity and hot cracking. <i>Additive Manufacturing</i> , 2020, 35, 101270.  | 1.7 | 46        |
| 15 | Microstructure and mechanical properties of Ti-Re alloys manufactured by selective laser melting. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 765, 138290.                                  | 2.6 | 26        |
| 16 | The Effect of EBM Process Parameters on Porosity and Microstructure of Ti-5Al-5Mo-5V-1Cr-1Fe Alloy. <i>Scanning</i> , 2019, 2019, 1-12.   | 0.7 | 26        |
| 17 | Effect of Scanning and Support Strategies on Relative Density of SLM-ed H13 Steel in Relation to Specimen Size. <i>Materials</i> , 2019, 12, 239.   | 1.3 | 48        |
| 18 | The Use of Selective Laser Melting as a Method of New Materials Development. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 403-410.  | 0.3 | 2         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Processing of Magnesium Alloy by Selective Laser Melting. Lecture Notes in Mechanical Engineering, 2019, , 411-418.   | 0.3 | 1         |
| 20 | Selective laser melting of magnesium AZ31B alloy powder. Rapid Prototyping Journal, 2019, 26, 249-258.  | 1.6 | 25        |
| 21 | 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         |
| 22 | Correlation between process parameters, microstructure and properties of 316L stainless steel processed by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 718, 64-73. | 2.6 | 337       |
| 23 | Hot Corrosion of Ti-Re Alloys Fabricated by Selective Laser Melting. Oxidation of Metals, 2018, 90, 83-96.  | 1.0 | 12        |
| 24 | 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        |
| 25 | 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        |
| 26 | Wear and corrosion behaviour of Inconel 718 laser surface alloyed with rhenium. Materials and Design, 2017, 132, 349-359.   | 3.3 | 46        |
| 27 | Influence of laser power on the penetration depth and geometry of scanning tracks in selective laser melting. , 2016, , .   |     | 1         |
| 28 | The process development of laser surface modification of commercially pure titanium (Grade 2) with rhenium. Proceedings of SPIE, 2016, , .  | 0.8 | 0         |
| 29 | Composite Laser-Clad Coating on Titanium Substrate Using Pure Hydroxyapatite Powder. Powder Metallurgy and Metal Ceramics, 2015, 54, 318-323.   | 0.4 | 7         |
| 30 | 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       |
| 31 | 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        |
| 32 | 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        |
| 33 | Parameters in selective laser melting for processing metallic powders. Proceedings of SPIE, 2012, , .   | 0.8 | 33        |
| 34 | Microstructure and mechanical behaviour of Ti-6Al-7Nb alloy produced by selective laser melting. Materials Characterization, 2011, 62, 488-495.   | 1.9 | 333       |
| 35 | 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         |