

Simon Pauly

List of Publications by Year in descending order

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25
papers

1,054
citations

567281

15
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

905
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and properties of TiB ₂ -reinforced Ti-35Nb-7Zr-5Ta processed by laser-powder bed fusion. <i>Journal of Materials Research</i> , 2022, 37, 259-271.	2.6	8
2	Microstructural evolution and properties of a Ti-Nb-Ta-Zr-O prepared by high-pressure torsion. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158828.	5.5	11
3	3D printing of bulk metallic glasses. <i>Materials Science and Engineering Reports</i> , 2021, 145, 100625.	31.8	88
4	Structural evolution of a CuZr-based bulk metallic glass composite during cryogenic treatment observed by in-situ high-energy X-ray diffraction. <i>Journal of Alloys and Compounds</i> , 2021, 871, 159570.	5.5	13
5	CuZr-based bulk metallic glass and glass matrix composites fabricated by selective laser melting. <i>Journal of Materials Science and Technology</i> , 2021, 81, 139-150.	10.7	21
6	Influence of oxygen and plastic deformation on the microstructure and the hardness of a Ti-Nb-Ta-Zr-O Gum Metal. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 828, 142122.	5.6	3
7	Oligocrystalline microstructure in an additively manufactured biocompatible Ti-Nb-Zr-Ta alloy. <i>Materials Letters</i> , 2020, 262, 127149.	2.6	10
8	Long-term room-temperature aging treatment of a bulk metallic glass composite. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153165.	5.5	5
9	Effect of mechanically induced structural rejuvenation on the deformation behaviour of CuZr based bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 773, 138848.	5.6	19
10	Processing a biocompatible Ti-35Nb-7Zr-5Ta alloy by selective laser melting. <i>Journal of Materials Research</i> , 2020, 35, 1143-1153.	2.6	24
11	Influence of the deformation rate on phase stability and mechanical properties of a Ti-29Nb-13Ta-4.6Zr-O alloy analyzed by in situ high-energy X-ray diffraction during compression tests. <i>Journal of Materials Research</i> , 2020, 35, 1777-1789.	2.6	7
12	Enhanced tensile plasticity of a CuZr-based bulk metallic glass composite induced by ion irradiation. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2221-2226.	10.7	36
13	Quantitatively determining the martensitic transformation in a CuZr-based bulk metallic glass composite. <i>Journal of Alloys and Compounds</i> , 2019, 782, 961-966.	5.5	16
14	Selective laser melting of a Ti-based bulk metallic glass. <i>Materials Letters</i> , 2018, 212, 346-349.	2.6	101
15	Structural and mechanical characterization of heterogeneities in a CuZr-based bulk metallic glass processed by high pressure torsion. <i>Acta Materialia</i> , 2018, 160, 147-157.	7.9	45
16	Experimental determination of cooling rates in selectively laser-melted eutectic Al-33Cu. <i>Additive Manufacturing</i> , 2018, 22, 753-757.	3.0	76
17	Selective laser remelting of an additively manufactured Cu-Al-Ni-Mn shape-memory alloy. <i>Materials and Design</i> , 2018, 153, 129-138.	7.0	77
18	Microstructural Characterization of a Laser Surface Remelted Cu-Based Shape Memory Alloy. <i>Materials Research</i> , 2018, 21, .	1.3	0

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19	Laser surface remelting of a Cu-Al-Ni-Mn shape memory alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 661, 61-67.	5.6	41
20	Phase Formation, Thermal Stability and Mechanical Properties of a Cu-Al-Ni-Mn Shape Memory Alloy Prepared by Selective Laser Melting. <i>Materials Research</i> , 2015, 18, 35-38.	1.3	36
21	Processing metallic glasses by selective laser melting. <i>Materials Today</i> , 2013, 16, 37-41.	14.2	345
22	Influence of Superheat on Microstructure and Mechanical Properties of Ductile Cu _{47.5} Zr _{47.5} Al ₅ Bulk Metallic Glass-Matrix Composite. <i>Journal of Materials Engineering and Performance</i> , 2011, 20, 1196-1205.	2.5	6
23	Effect of Al and Ag addition on phase formation, thermal stability, and mechanical properties of Cu-Zr-based bulk metallic glasses. <i>Journal of Materials Research</i> , 2011, 26, 1702-1710.	2.6	9
24	Plastically deformable Cu-Zr intermetallics. <i>Scripta Materialia</i> , 2010, 63, 336-338.	5.2	37
25	Thermomechanical characterization of Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glass within the homogeneous flow regime. <i>Intermetallics</i> , 2009, 17, 65-71.	3.9	20