

H Davies

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

976
citations

759055

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713332

21
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24
docs citations

24
times ranked

1110
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation into the effect of process parameters on microstructural and physical properties of 316L stainless steel parts by selective laser melting. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 76, 869-879.	1.5	519
2	Effects of hot isostatic pressing on the elastic modulus and tensile properties of 316L parts made by powder bed laser fusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 693, 186-213.	2.6	122
3	Evolution of microstructure and properties in alpha-brass after iterative processing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002, 33, 1853-1857.	1.1	64
4	A comparison between three-dimensional and two-dimensional grain boundary plane analysis. <i>Ultramicroscopy</i> , 2002, 90, 153-162.	0.8	53
5	Sustainable injection moulding: The impact of materials selection and gate location on part warpage and injection pressure. <i>Sustainable Materials and Technologies</i> , 2015, 5, 1-8.	1.7	29
6	Triple junction distribution profiles as assessed by electron backscatter diffraction. <i>Journal of Materials Science</i> , 2002, 37, 4203-4209.	1.7	27
7	Grain boundary misorientation distributions. <i>Current Opinion in Solid State and Materials Science</i> , 2001, 5, 3-8.	5.6	22
8	Powder interlayer bonding of titanium alloys: Ti-6Al-2Sn-4Zr-6Mo and Ti-6Al-4V. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 441-452.	1.5	20
9	The effect of low strain and annealing iterations on the ductility of alpha-brass. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2001, 81, 2553-2564.	0.7	19
10	Particle swarm algorithm with adaptive constraint handling and integrated surrogate model for the management of petroleum fields. <i>Applied Soft Computing Journal</i> , 2015, 34, 463-484.	4.1	19
11	A review: Interlayer joining of nickel base alloys. <i>Journal of Advanced Joining Processes</i> , 2020, 2, 100030.	1.5	14
12	Computational modeling of creep-based fatigue as a means of selecting lead-free solder alloys. <i>Microelectronics Reliability</i> , 2014, 54, 1235-1242.	0.9	13
13	Single-section plane assessment in grain boundary engineered brass. <i>Journal of Microscopy</i> , 2002, 205, 253-258.	0.8	12
14	Effect of thermomechanical processing on grain boundary character distribution in α brass. <i>Materials Science and Technology</i> , 2000, 16, 1399-1402.	0.8	10
15	Microstructural Control of Fatigue Behaviour in a Novel α - β Titanium Alloy. <i>Metals</i> , 2019, 9, 1200.	1.0	9
16	The Effect of Processing Variables on Powder Interlayer Bonding in Nickel-Based Superalloys. <i>Materials</i> , 2020, 13, 601.	1.3	5
17	Powder Interlayer Bonding of Nickel-Based Superalloys with Dissimilar Chemistries. <i>Materials</i> , 2021, 14, 2029.	1.3	5
18	Optimizing gate location to reduce metal wastage: Co-Cr-W alloy filling simulation. <i>Journal of Materials Processing Technology</i> , 2017, 240, 249-254.	3.1	4

#	ARTICLE	IF	CITATIONS
19	Fatigue Performance of the Novel Titanium Alloy Timetal 407. MATEC Web of Conferences, 2018, 165, 04001.	0.1	4
20	Diffusion bonding of TiC or TiB reinforced Ti-6Al-4V matrix composites to conventional Ti-6Al-4V alloy. Science and Technology of Welding and Joining, 2020, 25, 518-524.	1.5	4
21	The fatigue performance of titanium alloys joined via the powder interlayer bonding method. International Journal of Advanced Manufacturing Technology, 2020, 109, 1553-1561.	1.5	2
22	Establishing a quantifiable tarnish timeline for comparison of anti-tarnish processes in metals. Materials and Corrosion - Werkstoffe Und Korrosion, 2015, 66, 1120-1124.	0.8	0
23	The Bonding of Additive Manufactured Ti-6Al-4V via the Powder Interlayer Bonding (PIB) Process. MATEC Web of Conferences, 2020, 321, 04022.	0.1	0
24	The Bonding of Additive Manufactured Ti-6Al-4V via the Powder Interlayer Bonding (PIB) Process. MATEC Web of Conferences, 2020, 321, 04041.	0.1	0