H Davies

List of Publications by Year
in descending order

24	976	759055 12	713332 21
papers	citations	h-index	g-index

24	24	24	1110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Powder Interlayer Bonding of Nickel-Based Superalloys with Dissimilar Chemistries. Materials, 2021, 14, 2029.	1.3	5
2	A review: Interlayer joining of nickel base alloys. Journal of Advanced Joining Processes, 2020, 2, 100030.	1.5	14
3	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
4	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
5	The Effect of Processing Variables on Powder Interlayer Bonding in Nickel-Based Superalloys. Materials, 2020, 13, 601.	1.3	5
6	Diffusion bonding of TiC or TiB reinforced Tiâ€“6Alâ€“4V matrix composites to conventional Tiâ€“6Alâ€“4V alloy. Science and Technology of Welding and Joining, 2020, 25, 518-524.	1.5	4
7	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
8	Powder interlayer bonding of titanium alloys: Ti-6Al-2Sn-4Zr-6Mo and Ti-6Al-4V. International Journal of Advanced Manufacturing Technology, 2019, 103, 441-452.	1.5	20
9	Microstructural Control of Fatigue Behaviour in a Novel ïµïˆïˆ«ïˆïˆ¢ Titanium Alloy. Metals, 2019, 9, 1200.	1.0	9
10	Fatigue Performance of the Novel Titanium Alloy Timetal 407. MATEC Web of Conferences, 2018, 165, 04001.	0.1	4
11	Effects of hot isostatic pressing on the elastic modulus and tensile properties of 316L parts made by powder bed laser fusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 693, 186-213.	2.6	122
12	Optimizing gate location to reduce metal wastage: Coâ€“Crâ€“W alloy filling simulation. Journal of Materials Processing Technology, 2017, 240, 249-254.	3.1	4
13	Establishing a quantifiable tarnish timeline for comparison of antiâ€tarnish processes in metals. Materials and Corrosion - Werkstoffe Und Korrosion, 2015, 66, 1120-1124.	0.8	0
14	Particle swarm algorithm with adaptive constraint handling and integrated surrogate model for the management of petroleum fields. Applied Soft Computing Journal, 2015, 34, 463-484.	4.1	19
15	Investigation into the effect of process parameters on microstructural and physical properties of 316L stainless steel parts by selective laser melting. International Journal of Advanced Manufacturing Technology, 2015, 76, 869-879.	1.5	519
16	Sustainable injection moulding: The impact of materials selection and gate location on part warpage and injection pressure. Sustainable Materials and Technologies, 2015, 5, 1-8.	1.7	29
17	Computational modeling of creep-based fatigue as a means of selecting lead-free solder alloys. Microelectronics Reliability, 2014, 54, 1235-1242.	0.9	13
18	Evolution of microstructure and properties in alpha-brass after iterative processing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2002, 33, 1853-1857.	1.1	64

#	Article	IF	Citations
19	Single-section plane assessment in grain boundary engineered brass. Journal of Microscopy, 2002, 205, 253-258.	0.8	12
20	A comparison between three-dimensional and two-dimensional grain boundary plane analysis. Ultramicroscopy, 2002, 90, 153-162.	0.8	53
21	Triple junction distribution profiles as assessed by electron backscatter diffraction. Journal of Materials Science, 2002, 37, 4203-4209.	1.7	27
22	Grain boundary misorientation distributions. Current Opinion in Solid State and Materials Science, 2001, 5, 3-8.	5.6	22
23	The effect of low strain and annealing iterations on the ductility of alpha-brass. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2001, 81, 2553-2564.	0.7	19
24	Effect of thermomechanical processing on grain boundary character distribution in îœ€ brass. Materials Science and Technology, 2000, 16, 1399-1402.	0.8	10