

Yuanbo Tang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7021665/publications.pdf>

Version: 2024-02-01

21
papers

762
citations

932766

10
h-index

887659

17
g-index

21
all docs

21
docs citations

21
times ranked

499
citing authors

#	ARTICLE	IF	CITATIONS
1	Alloys-by-design: Application to new superalloys for additive manufacturing. <i>Acta Materialia</i> , 2021, 202, 417-436.	3.8	231
2	Metal 3D printing as a disruptive technology for superalloys. <i>Nature Communications</i> , 2020, 11, 2327.	5.8	159
3	On the size and orientation effect in additive manufactured Ti-6Al-4V. <i>Materials and Design</i> , 2020, 186, 108235.	3.3	95
4	Grain Boundary Serration in Nickel-Based Superalloy Inconel 600: Generation and Effects on Mechanical Behavior. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 4324-4342.	1.1	53
5	Grain boundary serration in nickel alloy inconel 600: Quantification and mechanisms. <i>Acta Materialia</i> , 2019, 181, 352-366.	3.8	41
6	Alloys-by-design: A low-modulus titanium alloy for additively manufactured biomedical implants. <i>Acta Materialia</i> , 2022, 229, 117749.	3.8	39
7	On the Influence of Alloy Composition on the Additive Manufacturability of Ni-Based Superalloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 962-983.	1.1	30
8	A novel low-modulus titanium alloy for biomedical applications: A comparison between selective laser melting and metal injection moulding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 812, 141081.	2.6	26
9	Profilometry-based indentation plastometry to obtain stress-strain curves from anisotropic superalloy components made by additive manufacturing. <i>Materialia</i> , 2021, 15, 101017.	1.3	24
10	Ultra-high temperature deformation in a single crystal superalloy: Mesoscale process simulation and micromechanisms. <i>Acta Materialia</i> , 2021, 203, 116468.	3.8	19
11	The Effect of Heat Treatment on Tensile Yielding Response of the New Superalloy ABD-900AM for Additive Manufacturing. <i>Minerals, Metals and Materials Series</i> , 2020, , 1055-1065.	0.3	10
12	On the Influence of Alloy Chemistry and Processing Conditions on Additive Manufacturability of Ni-Based Superalloys. <i>Minerals, Metals and Materials Series</i> , 2020, , 153-162.	0.3	7
13	ϵ variant-sensitive deformation behaviour of Inconel 718 superalloy. <i>Journal of Materials Science and Technology</i> , 2022, 126, 169-181.	5.6	7
14	A new class of alumina-forming superalloy for 3D printing. <i>Additive Manufacturing</i> , 2022, 52, 102608.	1.7	5
15	On the solid-state dendritic growth of M_7C_3 carbide at interfaces in an austenitic system. <i>Scripta Materialia</i> , 2022, 218, 114585.	2.6	5
16	Overheating of Waspaloy: Effect of cooling rate on flow stress behavior. <i>Materials and Design</i> , 2022, 221, 110911.	3.3	5
17	Additive manufacturability of superalloys: Process-induced porosity, cooling rate and metal vapour. <i>Additive Manufacturing</i> , 2021, 47, 102339.	1.7	3
18	Use of Profilometry-Based Indentation Plastometry to Obtain Stress-Strain Curves from Small Superalloy Components Made by Additive Manufacturing. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
19	Additive Manufacturability of Nickel-Based Superalloys: Composition-Process Induced Vapourization. Minerals, Metals and Materials Series, 2020, , 1024-1032.	0.3	1
20	Use of Indentation Plastometry to Obtain Stress-Strain Curves from Small Superalloy Components Made by Additive Manufacturing. SSRN Electronic Journal, 0, , .	0.4	1
21	On Optimising Ring-Rolling Manufacturability of C&W Nickel Superalloys for Aero-engine Turbine Disc. Minerals, Metals and Materials Series, 2020, , 408-420.	0.3	0