

Mathieu Turner

List of Publications by Year in descending order

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papers

476
citations

759233

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20
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of heat treatments on microstructure evolution and mechanical properties of Inconel 625 processed by laser powder bed fusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 64-75.	5.6	171
2	Effects of heat treatment on the microstructure evolution and the high-temperature tensile properties of Haynes 282 superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 751, 311-322.	5.6	43
3	Partitioning of C into $\hat{\gamma}$ -carbides by Si addition and its effect on the initial deformation mechanism of Fe-Mn-Al-C lightweight steels. <i>Journal of Alloys and Compounds</i> , 2019, 775, 554-564.	5.5	43
4	Electron Beam Melting of High Niobium Containing TiAl Alloy: Feasibility Investigation. <i>Steel Research International</i> , 2012, 83, 943-949.	1.8	36
5	Heat treatments design for superior high-temperature tensile properties of Alloy 625 produced by selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 790, 139720.	5.6	25
6	Clear path to the directional solidification of Ni-based superalloy CMSX-10: A peritectic reaction. <i>Materials Characterization</i> , 2015, 105, 56-63.	4.4	16
7	Influence of inter/intra-granular $\hat{\gamma}$ -carbides on the deformation mechanism in lightweight Fe-20Mn-11.5Al-1.2C steel. <i>Materials Characterization</i> , 2020, 161, 110142.	4.4	16
8	Influence of Gas Metal Arc Welding Parameters on the Bead Properties in Automatic Cladding. <i>Journal of Welding and Joining</i> , 2017, 35, 16-25.	1.3	16
9	The Response Surface Methodology for Optimizing the Process Parameters of Selective Laser Melting. <i>Journal of Welding and Joining</i> , 2019, 37, 27-39.	1.3	16
10	Initial Oxidation Behavior in Air of TiAl-2Nb and TiAl-8Nb Alloys Produced by Electron Beam Melting. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 3982-3988.	2.5	15
11	A new observation of strain-induced grain boundary serration and its underlying mechanism in a Ni-20Cr binary model alloy. <i>Materials Characterization</i> , 2018, 135, 146-153.	4.4	13
12	Phase transitions assessment on $\hat{\gamma}$ -TiAl by Thermo Mechanical Analysis. <i>Intermetallics</i> , 2013, 37, 7-10.	3.9	12
13	Electron Backscattered Diffraction to Estimate Residual Stress Levels of a Superalloy Produced by Laser Powder Bed Fusion and Subsequent Heat Treatments. <i>Materials</i> , 2020, 13, 4643.	2.9	11
14	High temperature oxidation of NiCrAlY coated Alloy 625 manufactured by selective laser melting. <i>Surface and Coatings Technology</i> , 2020, 398, 126041.	4.8	11
15	A novel approach to the production of NiCrAlY bond coat onto IN625 superalloy by selective laser melting. <i>Additive Manufacturing</i> , 2020, 31, 100998.	3.0	10
16	The Current State, Outcome and Vision of Additive Manufacturing. <i>Journal of Welding and Joining</i> , 2015, 33, 1-5.	1.3	9
17	On the role of alloying elements in the formation of serrated grain boundaries in Ni-based alloys. <i>International Journal of Materials Research</i> , 2016, 107, 229-238.	0.3	7
18	First evidence of grain boundary serration in a specifically heat treated wrought Alloy 625 Ni-based superalloy. <i>International Journal of Materials Research</i> , 2018, 109, 803-810.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Thermal shock resistance of a NiCrAlY-coated Alloy 625 system produced by laser powder bed fusion. Surface and Coatings Technology, 2021, 417, 127217.	4.8	2
20	Innovative 3D-Manufacturing of Complex Ceramic Parts by Means of Commercial Digital Light Processing Apparatus. Journal of Welding and Joining, 2019, 37, 369-377.	1.3	2