

# Mathieu Turner

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

476  
citations

759233

12  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

439  
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Phase transitions assessment on $\hat{\text{I}}^3\text{-TiAl}$ by Thermo Mechanical Analysis. Intermetallics, 2013, 37, 7-10.	3.9	12
20	Electron Beam Melting of High Niobium Containing TiAl Alloy: Feasibility Investigation. Steel Research International, 2012, 83, 943-949.	1.8	36