

Mark Whittaker

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

419
citations

933264

10
h-index

839398

18
g-index

23
all docs

23
docs citations

23
times ranked

341
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of energy density and heat treatment on the microstructure and mechanical properties of laser additive manufactured Haynes 282. <i>Materials and Design</i> , 2021, 205, 109725.	3.3	20
2	Alloying effect on solidification behaviour and grain refinement in Ti45Al2Nb2Ta0.8B and Ti45Al2Nb2Hf0.8B. <i>Intermetallics</i> , 2020, 127, 106984.	1.8	3
3	Boride formation behaviour and their effect on tensile ductility in cast TiAl-based alloys. <i>Materials and Design</i> , 2020, 195, 109064.	3.3	20
4	The Effect of Phase Angle on the Thermo-Mechanical Fatigue Life of a Titanium Metal Matrix Composite. <i>Materials</i> , 2019, 12, 953.	1.3	2
5	The dislocation behaviour and GND development in a nickel based superalloy during creep. <i>International Journal of Plasticity</i> , 2019, 118, 252-268.	4.1	126
6	3D DDD modelling of dislocation-precipitate interaction in a nickel-based single crystal superalloy under cyclic deformation. <i>Philosophical Magazine</i> , 2018, 98, 1550-1575.	0.7	10
7	Advanced Methods for Creep in Engineering Design. , 2018, , .		0
8	Titanium Alloys 2017. <i>Metals</i> , 2018, 8, 319.	1.0	1
9	The influence of phase angle, strain range and peak cycle temperature on the TMF crack initiation behaviour and damage mechanisms of the nickel-based superalloy, RR1000. <i>International Journal of Fatigue</i> , 2017, 98, 279-285.	2.8	28
10	Microstructural characterisation of a nickel alloy processed via blown powder direct laser deposition (DLD). <i>Materials and Design</i> , 2017, 117, 47-57.	3.3	33
11	Creep Deformation by Dislocation Movement in Waspaloy. <i>Materials</i> , 2017, 10, 61.	1.3	30
12	International Conference on Fatigue Damage of Structural Materials. <i>International Journal of Fatigue</i> , 2016, 82, 119.	2.8	0
13	Development and Assessment of a New Empirical Model for Predicting Full Creep Curves. <i>Materials</i> , 2015, 8, 4582-4592.	1.3	12
14	Titanium Alloys. <i>Metals</i> , 2015, 5, 1437-1439.	1.0	6
15	A Model for Creep and Creep Damage in the β -Titanium Aluminide Ti-45Al-2Mn-2Nb. <i>Materials</i> , 2014, 7, 2194-2209.	1.3	23
16	A Critical Analysis of the Conventionally Employed Creep Lifting Methods. <i>Materials</i> , 2014, 7, 3371-3398.	1.3	49
17	Lifting the thermo-mechanical fatigue (TMF) behaviour of the polycrystalline nickel-based superalloy RR1000. <i>MATEC Web of Conferences</i> , 2014, 14, 19001.	0.1	2
18	An Empirical Approach to Correlating Thermo-Mechanical Fatigue Behaviour of a Polycrystalline Ni-Base Superalloy. <i>Materials</i> , 2013, 6, 5275-5290.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Recent Advances in Creep Modelling of the Nickel Base Superalloy, Alloy 720Li. Materials, 2013, 6, 1118-1137.	1.3	27
20	The effect of prestrain on low and high temperature creep in Ti834. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 6683-6689.	2.6	16
21	A Modern Philosophy for Creep Lfing in Engineering Alloys. , 0, , .		0
22	Ni-Based Superalloys. , 0, , .		4