

Zhiwu He

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

172
citations

1307594

7
h-index

1588992

8
g-index

8
all docs

8
docs citations

8
times ranked

110
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature effect on the low cycle fatigue behavior of a directionally solidified nickel-base superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 676, 246-252.	5.6	52
2	The effect of crystal orientation on fretting fatigue crack formation in Ni-based single-crystal superalloys: In-situ SEM observation and crystal plasticity finite element simulation. <i>Tribology International</i> , 2018, 125, 209-219.	5.9	38
3	High temperature in-situ SEM observation and crystal plasticity simulation on fretting fatigue of Ni-based single crystal superalloys. <i>International Journal of Plasticity</i> , 2020, 127, 102645.	8.8	27
4	Effects of secondary orientation on crack closure behavior of nickel-based single crystal superalloys. <i>International Journal of Fatigue</i> , 2016, 83, 335-343.	5.7	26
5	Effects of secondary orientation on fatigue crack initiation in a single crystal superalloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 935-948.	3.4	10
6	Subsurface crack formation and propagation of fretting fatigue in Ni-based single-crystal superalloys. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 2520-2532.	3.4	10
7	Parametric Study of Cyclic Plasticity Behavior in a Directionally Solidified Superalloy with Partial Recrystallization by Crystal Plasticity Finite Element Simulation. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 3332-3340.	2.5	7
8	<i>In-situ</i> ; high-temperature mechanical property measurement technology and its application in scanning electron microscope. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2018, 48, 094606.	0.4	2