

Zhen Zhang

List of Publications by Year in descending order

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12
papers

198
citations

1307594

7
h-index

1474206

9
g-index

12
all docs

12
docs citations

12
times ranked

144
citing authors

#	ARTICLE	IF	CITATIONS
1	Creep damage characteristics and evolution of HR3C austenitic steel during long term creep. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 832, 142432.	5.6	15
2	Preparation, characterization, and tribological properties of silica-nanoparticle-reinforced B-N-co-doped reduced graphene oxide as a multifunctional additive for enhanced lubrication. <i>Friction</i> , 2021, 9, 239-249.	6.4	22
3	Nanoindentation creep behaviour and microstructural evolution of long-term crept HR3C austenitic steel. <i>Materials at High Temperatures</i> , 2021, 38, 403-416.	1.0	7
4	Synthesis, characterization and tribological performance of two novel borate esters containing nitrogen as a multifunctional additive in synthetic ester base oil. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1540-1548.	2.4	3
5	Effects of chloride on electrochemical and stress corrosion cracking behavior of 9Cr ferritic-martensitic steel. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 719-731.	2.8	5
6	Experimental and numerical investigation of low-cycle fatigue behavior of 9Cr ferritic-martensitic steel at room temperature. <i>Material Design and Processing Communications</i> , 2020, 2, e130.	0.9	0
7	Correlation between Microstructure and Failure Mechanism of <i>Hyriopsis cumingii</i> Shell Structure. <i>Journal of Bionic Engineering</i> , 2019, 16, 869-881.	5.0	8
8	Low cycle fatigue properties and microstructure of P92 ferritic-martensitic steel at room temperature and 873 K. <i>Materials Characterization</i> , 2019, 157, 109923.	4.4	32
9	Investigation the effect of precipitating characteristics on the creep behavior of HR3C austenitic steel at 650 °C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 742, 451-463.	5.6	25
10	Microstructure evolution in HR3C austenitic steel during long-term creep at 650 °C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 681, 74-84.	5.6	80
11	Finite Element Analysis and Life Prediction of Pre-stressed Composed Dies in Cold Extrusion Process. <i>Journal of Multiscale Modeling</i> , 0, , 2142001.	1.1	1
12	Effect of Hydrogen on Microstructure and Mechanical Behavior of High-Strength Bainitic Steel in Marine Application. <i>Journal of Materials Engineering and Performance</i> , 0, , 1.	2.5	0