

Hong-Yu Qi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High-temperature oxidation behavior of DZ125 Ni-based superalloy under tensile stress. <i>Rare Metals</i> , 2022, 41, 4188-4193.	7.1	4
2	Microstructural evolution and restoration of creep property for a damaged K403 alloy after rejuvenation heat treatments. <i>Rare Metals</i> , 2021, 40, 1865-1871.	7.1	4
3	Stress analysis and lifetime prediction for TiAl ₄ V welding joint under fatigue loading. <i>Materials Science and Technology</i> , 2021, 37, 969-978.	1.6	0
4	Low-cycle fatigue of MCrAlY-coated superalloys: A fracture mechanics-based analysis. <i>Materials Science and Technology</i> , 2021, 37, 151-161.	1.6	5
5	High-temperature hot-corrosion effects on the creep-fatigue behavior of a directionally solidified nickel-based superalloy: Mechanism and lifetime prediction. <i>International Journal of Damage Mechanics</i> , 2020, 29, 798-809.	4.2	6
6	Effect of interface diffusion on low-cycle fatigue behaviors of MCrAlY coated single crystal superalloys. <i>International Journal of Fatigue</i> , 2020, 137, 105660.	5.7	16
7	Effect of bond-coat surface roughness on failure mechanism and lifetime of air plasma spraying thermal barrier coatings. <i>Science China Technological Sciences</i> , 2019, 62, 989-995.	4.0	7
8	Numerical study on the competitive cracking behavior in TC and interface for thermal barrier coatings under thermal cycle fatigue loading. <i>Surface and Coatings Technology</i> , 2019, 358, 850-857.	4.8	36
9	Low-cycle fatigue behavior of a directionally solidified Ni-based superalloy subjected to gas hot corrosion pre-exposure. <i>Rare Metals</i> , 2019, 38, 227-232.	7.1	9
10	Fatigue behavior of uncoated and MCrAlY-coated DS nickel-based superalloys pre-exposed in hot corrosion condition. <i>Rare Metals</i> , 2018, 37, 936-941.	7.1	5
11	Oxidation-induced damage of an uncoated and coated nickel-based superalloy under simulated gas environment. <i>Rare Metals</i> , 2018, 37, 204-209.	7.1	9
12	Experimental study and numerical modeling of the damage evolution of thermal barrier coating systems under tension. <i>Science China Technological Sciences</i> , 2018, 61, 1882-1888.	4.0	6
13	The effect of off-axis angles on the mesoscale deformation response and failure behavior of an orthotropic textile carbon-epoxy composite. <i>Composite Structures</i> , 2018, 206, 952-959.	5.8	13
14	Contribution of bone micromechanical behavior beyond lamellar length scale to the macroscopic bone quality of hind limb unloading rats. <i>Acta Astronautica</i> , 2018, 152, 468-473.	3.2	1
15	Numerical investigation on the cracking behaviors of thermal barrier coating system under different thermal cycle loading waveforms. <i>Surface and Coatings Technology</i> , 2018, 349, 166-176.	4.8	37
16	The effect of thermal loading waveform on the failure mechanism of atmospheric-plasma-sprayed thermal barrier coating system. <i>Science China Technological Sciences</i> , 2018, 61, 1679-1687.	4.0	1
17	Low-cycle fatigue behavior of DZ125 superalloy under prior exposure conditions. <i>Rare Metals</i> , 2017, , 1.	7.1	0
18	Effect of high temperature on compression property and deformation recovery of ceramic fiber reinforced silica aerogel composites. <i>Science China Technological Sciences</i> , 2017, 60, 1681-1691.	4.0	14

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19	Influence of MCrAlY coating on low-cycle fatigue behavior of a directionally solidified nickel-based superalloy in hot corrosive environment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 678, 57-64.	5.6	15
20	The bioresponse of osteocytes and its regulation on osteoblasts under vibration. <i>Cell Biology International</i> , 2016, 40, 397-406.	3.0	19
21	Tensile properties and failure analysis of Ti-6Al-4V joints by electron beam welding. <i>Rare Metals</i> , 2016, 35, 450-455.	7.1	3
22	Influence of the different salt deposits on the fatigue behavior of a directionally solidified nickel-based superalloy. <i>International Journal of Fatigue</i> , 2016, 84, 91-96.	5.7	14
23	Low-cycle fatigue lifetime estimation of Ti-6Al-4V welded joints by a continuum damage mechanics model. <i>Rare Metals</i> , 2016, 35, 299-302.	7.1	5
24	Low cyclic fatigue behavior of electron-beam-welded Ti-6Al-4V titanium joint. <i>Rare Metals</i> , 2016, 35, 230-234.	7.1	2
25	Effect of MCrAlY coating on the low-cycle fatigue behavior of a directionally solidified nickel-base superalloy at different temperatures. <i>International Journal of Fatigue</i> , 2015, 75, 126-134.	5.7	23
26	Effect of high-temperature hot corrosion on the low cycle fatigue behavior of a directionally solidified nickel-base superalloy. <i>International Journal of Fatigue</i> , 2015, 70, 106-113.	5.7	41
27	Ti-6Al-4V welded joints via electron beam welding: Microstructure, fatigue properties, and fracture behavior. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 597, 225-231.	5.6	30
28	Fatigue crack growth of titanium alloy joints by electron beam welding. <i>Rare Metals</i> , 2014, 33, 516-521.	7.1	4
29	Experimental investigation on low cycle fatigue and creep-fatigue interaction of DZ125 in different dwell time at elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 528, 233-238.	5.6	40
30	Evaluation of properties and thermal stress field for thermal barrier coatings. <i>Central South University</i> , 2008, 15, 367-371.	0.5	1
31	In-situ measurement of elastic modulus for ceramic top-coat at high temperature. <i>Central South University</i> , 2008, 15, 372-376.	0.5	2
32	Measurement of Young's Modulus and Poisson's Ratio of Thermal Barrier Coatings. <i>Chinese Journal of Aeronautics</i> , 2005, 18, 180-184.	5.3	19