Shao-Lin Li

List of Publications by Year
in descending order

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45 papers	643 citations	623734 14 h-index	642732 23 g-index
45 all docs	45 docs citations	45 times ranked	386 citing authors

#	Article	IF	Citations
1	High-temperature oxidation behavior of DZ125 Ni-based superalloy under tensile stress. Rare Metals, 2022, 41, 4188-4193.	7.1	4
2	Modeling of the fatigue crack growth of nickel-based superalloy using a constraint-based approach considering thickness. Engineering Fracture Mechanics, 2022, 259, 108174.	4.3	3
3	Microstructural evolution and restoration of creep property for a damaged K403 alloy after rejuvenation heat treatments. Rare Metals, 2021, 40, 1865-1871.	7.1	4
4	A diffusion-coupled cohesive element model for cracking analysis of thermal barrier coatings. Engineering Fracture Mechanics, 2021, 246, 107625.	4.3	6
5	Stress analysis and lifetime prediction for Tiâ€“6Alâ€“4V welding joint under fatigue loading. Materials Science and Technology, 2021, 37, 969-978.	1.6	0
6	Effects of tensile load hold time on the fatigue and corrosion-fatigue behavior of turbine blade materials. International Journal of Fatigue, 2021, 152, 106448.	5.7	13
7	The framework of hot corrosion fatigue life estimation of a PM superalloy using notch fatigue methodology combined with pit evolution. International Journal of Fatigue, 2021, 153, 106483.	5.7	9
8	Low-cycle fatigue of MCrAlY-coated superalloys: A fracture mechanics-based analysis. Materials Science and Technology, 2021, 37, 151-161.	1.6	5
9	A numerical approach to simulate 3D crack propagation in turbine blades. International Journal of Mechanical Sciences, 2020, 171, 105408.	6.7	19
10	High-temperature hot-corrosion effects on the creepâ€“fatigue behavior of a directionally solidified nickel-based superalloy: Mechanism and lifetime prediction. International Journal of Damage Mechanics, 2020, 29, 798-809.	4.2	6
11	The effect of inclusion factors on fatigue life and fracture-mechanics-based life method for a P/M superalloy at elevated temperature. International Journal of Fatigue, 2020, 131, 105365.	5.7	21
12	Experimental investigation on creepâ€fatigue behaviours of asâ€received and serviceâ€exposed turbine blades: Mechanism and life evaluation. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 2892-2906.	3.4	7
13	Effect of interface diffusion on low-cycle fatigue behaviors of MCrAlY coated single crystal superalloys. International Journal of Fatigue, 2020, 137, 105660.	5.7	16
14	A Study on Establishing a Microstructure-Related Hardness Model with Precipitate Segmentation Using Deep Learning Method. Materials, 2020, 13, 1256.	2.9	10
15	Modeling fatigue crack growth for a through thickness crack: An out-of-plane constraint-based approach considering thickness effect. International Journal of Mechanical Sciences, 2020, 178, 105625.	6.7	12
16	Residual fatigue life prediction based on a novel damage accumulation model considering loading history. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 1005-1021.	3.4	14
17	A novel fatigue life model considering surface-damage induced performance degradation. Engineering Fracture Mechanics, 2020, 228, 106899.	4.3	3
18	Evaluation of service-induced microstructural damage for directionally solidified turbine blade of aircraft engine. Rare Metals, 2019, 38, 157-164.	7.1	24

#	Article	IF	Citations
19	Mechanical properties deterioration and its relationship with microstructural variation using small coupons sampled from serviced turbine blades. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 757, 134-145.	5.6	11
20	Cracking behaviors of EB-PVD thermal barrier coating under temperature gradient. Ceramics International, 2019, 45, 18518-18528.	4.8	11
21	Effect of non-uniform growth of TGO layer on cracking behaviors in thermal barrier coatings: A numerical study. Surface and Coatings Technology, 2019, 370, 113-124.	4.8	54
22	The influence of temperature and orientation on fatigue crack growth behavior of a directional solidification nickel-based superalloy: Experimental investigation and modelling. International Journal of Fatigue, 2019, 125, 505-519.	5.7	10
23	A systematical weight function modified critical distance method to estimate the creep-fatigue life of geometrically different structures. International Journal of Fatigue, 2019, 126, 6-19.	5.7	24
24	Effect of bond-coat surface roughness on failure mechanism and lifetime of air plasma spraying thermal barrier coatings. Science China Technological Sciences, 2019, 62, 989-995.	4.0	7
25	Numerical study on the competitive cracking behavior in TC and interface for thermal barrier coatings under thermal cycle fatigue loading. Surface and Coatings Technology, 2019, 358, 850-857.	4.8	36
26	A physically based model for correlating the microstructural degradation and residual creep lifetime of a polycrystalline Ni-based superalloy. Journal of Alloys and Compounds, 2019, 783, 565-573.	5.5	16
27	Low-cycle fatigue behavior of a directionally solidified Ni-based superalloy subjected to gas hot corrosion pre-exposure. Rare Metals, 2019, 38, 227-232.	7.1	9
28	Fatigue behavior of uncoated and MCrAlY-coated DS nickel-based superalloys pre-exposed in hot corrosion condition. Rare Metals, 2018, 37, 936-941.	7.1	5
29	Oxidation-induced damage of an uncoated and coated nickel-based superalloy under simulated gas environment. Rare Metals, 2018, 37, 204-209.	7.1	9
30	Experimental study and numerical modeling of the damage evolution of thermal barrier coating systems under tension. Science China Technological Sciences, 2018, 61, 1882-1888.	4.0	6
31	Experimental investigation and modelling of microstructure degradation in a DS Ni-based superalloy using a quantitative cross-correlation analysis method. Journal of Alloys and Compounds, 2018, 762, 488-499.	5.5	30
32	Numerical investigation on the cracking behaviors of thermal barrier coating system under different thermal cycle loading waveforms. Surface and Coatings Technology, 2018, 349, 166-176.	4.8	37
33	Low-temperature hot corrosion effects on the low-cycle fatigue lifetime and cracking behaviors of a powder metallurgy Ni-based superalloy. International Journal of Fatigue, 2018, 116, 334-343.	5.7	13
34	The effect of thermal loading waveform on the failure mechanism of atmospheric-plasma-sprayed thermal barrier coating system. Science China Technological Sciences, 2018, 61, 1679-1687.	4.0	1
35	Failure assessment of the first stage highâ€pressure turbine blades in an aeroâ€engine turbine. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 2092-2106.	3.4	5
36	Low-cycle fatigue behavior of DZ125 superalloy under prior exposure conditions. Rare Metals, 2017, , 1.	7.1	0

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37	Effect of high temperature on compression property and deformation recovery of ceramic fiber reinforced silica aerogel composites. Science China Technological Sciences, 2017, 60, 1681-1691.	4.0	14
38	Influence of MCrAlY coating on low-cycle fatigue behavior of a directionally solidified nickel-based superalloy in hot corrosive environment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 678, 57-64.	5.6	15
39	Tensile properties and failure analysis of Tiâ€“6Alâ€“4V joints by electron beam welding. Rare Metals, 2016, 35, 450-455.	7.1	3
40	Influence of the different salt deposits on the fatigue behavior of a directionally solidified nickel-based superalloy. International Journal of Fatigue, 2016, 84, 91-96.	5.7	14
41	Low cyclic fatigue behavior of electron-beam-welded Tiâ€“6Alâ€“4V titanium joint. Rare Metals, 2016, 35, 230-234.	7.1	2
42	Effect of MCrAlY coating on the low-cycle fatigue behavior of a directionally solidified nickel-base superalloy at different temperatures. International Journal of Fatigue, 2015, 75, 126-134.	5.7	23
43	Effect of high-temperature hot corrosion on the low cycle fatigue behavior of a directionally solidified nickel-base superalloy. International Journal of Fatigue, 2015, 70, 106-113.	5.7	41
44	The glycoproteinÂIbÎ±â€“von Willebrand factor interaction induces platelet apoptosis. Journal of Thrombosis and Haemostasis, 2010, 8, 341-350.	3.8	65
45	Hypergravity results in human platelet hyperactivity. Journal of Physiology and Biochemistry, 2009, 65, 147-156.	3.0	6