

Shao-Lin Li

List of Publications by Year in descending order

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papers

643
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623734

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#	ARTICLE	IF	CITATIONS
1	The glycoprotein von Willebrand factor interaction induces platelet apoptosis. <i>Journal of Thrombosis and Haemostasis</i> , 2010, 8, 341-350.	3.8	65
2	Effect of non-uniform growth of TGO layer on cracking behaviors in thermal barrier coatings: A numerical study. <i>Surface and Coatings Technology</i> , 2019, 370, 113-124.	4.8	54
3	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
4	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
5	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
6	Experimental investigation and modelling of microstructure degradation in a DS Ni-based superalloy using a quantitative cross-correlation analysis method. <i>Journal of Alloys and Compounds</i> , 2018, 762, 488-499.	5.5	30
7	Evaluation of service-induced microstructural damage for directionally solidified turbine blade of aircraft engine. <i>Rare Metals</i> , 2019, 38, 157-164.	7.1	24
8	A systematical weight function modified critical distance method to estimate the creep-fatigue life of geometrically different structures. <i>International Journal of Fatigue</i> , 2019, 126, 6-19.	5.7	24
9	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
10	The effect of inclusion factors on fatigue life and fracture-mechanics-based life method for a P/M superalloy at elevated temperature. <i>International Journal of Fatigue</i> , 2020, 131, 105365.	5.7	21
11	A numerical approach to simulate 3D crack propagation in turbine blades. <i>International Journal of Mechanical Sciences</i> , 2020, 171, 105408.	6.7	19
12	A physically based model for correlating the microstructural degradation and residual creep lifetime of a polycrystalline Ni-based superalloy. <i>Journal of Alloys and Compounds</i> , 2019, 783, 565-573.	5.5	16
13	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
14	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
15	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
16	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
17	Residual fatigue life prediction based on a novel damage accumulation model considering loading history. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 1005-1021.	3.4	14
18	Low-temperature hot corrosion effects on the low-cycle fatigue lifetime and cracking behaviors of a powder metallurgy Ni-based superalloy. <i>International Journal of Fatigue</i> , 2018, 116, 334-343.	5.7	13

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19	Effects of tensile load hold time on the fatigue and corrosion-fatigue behavior of turbine blade materials. <i>International Journal of Fatigue</i> , 2021, 152, 106448.	5.7	13
20	Modeling fatigue crack growth for a through thickness crack: An out-of-plane constraint-based approach considering thickness effect. <i>International Journal of Mechanical Sciences</i> , 2020, 178, 105625.	6.7	12
21	Mechanical properties deterioration and its relationship with microstructural variation using small coupons sampled from serviced turbine blades. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 757, 134-145.	5.6	11
22	Cracking behaviors of EB-PVD thermal barrier coating under temperature gradient. <i>Ceramics International</i> , 2019, 45, 18518-18528.	4.8	11
23	The influence of temperature and orientation on fatigue crack growth behavior of a directional solidification nickel-based superalloy: Experimental investigation and modelling. <i>International Journal of Fatigue</i> , 2019, 125, 505-519.	5.7	10
24	A Study on Establishing a Microstructure-Related Hardness Model with Precipitate Segmentation Using Deep Learning Method. <i>Materials</i> , 2020, 13, 1256.	2.9	10
25	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
26	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
27	The framework of hot corrosion fatigue life estimation of a PM superalloy using notch fatigue methodology combined with pit evolution. <i>International Journal of Fatigue</i> , 2021, 153, 106483.	5.7	9
28	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
29	Experimental investigation on creep-fatigue behaviours of as-received and service-exposed turbine blades: Mechanism and life evaluation. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 2892-2906.	3.4	7
30	Hypergravity results in human platelet hyperactivity. <i>Journal of Physiology and Biochemistry</i> , 2009, 65, 147-156.	3.0	6
31	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
32	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
33	A diffusion-coupled cohesive element model for cracking analysis of thermal barrier coatings. <i>Engineering Fracture Mechanics</i> , 2021, 246, 107625.	4.3	6
34	Failure assessment of the first stage high-pressure turbine blades in an aero-engine turbine. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 2092-2106.	3.4	5
35	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
36	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

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37	High-temperature oxidation behavior of DZ125 Ni-based superalloy under tensile stress. Rare Metals, 2022, 41, 4188-4193.	7.1	4
38	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
39	Tensile properties and failure analysis of Ti-6Al-4V joints by electron beam welding. Rare Metals, 2016, 35, 450-455.	7.1	3
40	A novel fatigue life model considering surface-damage induced performance degradation. Engineering Fracture Mechanics, 2020, 228, 106899.	4.3	3
41	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
42	Low cyclic fatigue behavior of electron-beam-welded Ti-6Al-4V titanium joint. Rare Metals, 2016, 35, 230-234.	7.1	2
43	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
44	Low-cycle fatigue behavior of DZ125 superalloy under prior exposure conditions. Rare Metals, 2017, , 1.	7.1	0
45	Stress analysis and lifetime prediction for Ti-6Al-4V welding joint under fatigue loading. Materials Science and Technology, 2021, 37, 969-978.	1.6	0