

Jian-Feng Wen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

568
citations

759233

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all docs

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24
times ranked

383
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-axial creep-damage model for creep crack growth considering cavity growth and microcrack interaction. <i>Engineering Fracture Mechanics</i> , 2014, 123, 197-210.	4.3	107
2	Simulations of creep crack growth in 316 stainless steel using a novel creep-damage model. <i>Engineering Fracture Mechanics</i> , 2013, 98, 169-184.	4.3	85
3	Effects of Stress Level and Stress State on Creep Ductility: Evaluation of Different Models. <i>Journal of Materials Science and Technology</i> , 2016, 32, 695-704.	10.7	73
4	Multi-axial creep-fatigue life prediction considering history-dependent damage evolution: A new numerical procedure and experimental validation. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 131, 313-336.	4.8	51
5	A study on the thermal cyclic behavior of thermal barrier coatings with different MCrAlY roughness. <i>Vacuum</i> , 2017, 137, 72-80.	3.5	37
6	Creep crack growth by grain boundary cavitation under monotonic and cyclic loading. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 108, 68-84.	4.8	27
7	Environmentally enhanced creep crack growth by grain boundary cavitation under cyclic loading. <i>Acta Materialia</i> , 2018, 153, 136-146.	7.9	25
8	Creep fracture mechanics parameters for internal axial surface cracks in pressurized cylinders and creep crack growth analysis. <i>International Journal of Pressure Vessels and Piping</i> , 2011, 88, 452-464.	2.6	24
9	New model for creep damage analysis and its application to creep crack growth simulations. <i>Materials Science and Technology</i> , 2014, 30, 32-37.	1.6	24
10	Effects of the stress state on plastic deformation and ductile failure: Experiment and numerical simulation using a newly designed tension-shear specimen. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 2079-2092.	3.4	24
11	Simulation of creep and damage in the bonded compliant seal of planar solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17941-17951.	7.1	14
12	Using short-time creep relaxation effect to decrease the residual stress in the bonded compliant seal of planar solid oxide fuel cell – A finite element simulation. <i>Journal of Power Sources</i> , 2014, 255, 108-115.	7.8	13
13	Autofrettage and shakedown analyses of an internally pressurized thick-walled spherical shell based on two strain gradient plasticity solutions. <i>Acta Mechanica</i> , 2017, 228, 89-105.	2.1	13
14	Elastic strain energy control of the precipitate free zone around primary carbides in nickel base alloy 725. <i>Acta Materialia</i> , 2016, 120, 138-149.	7.9	12
15	Ductile tearing analyses of cracked TP304 pipes using the multi-axial fracture strain energy model and the Gurson-Tvergaard-Needleman model. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 2402-2415.	3.4	11
16	A study of ultra-low cycle fatigue failure based on a fracture strain energy model. <i>International Journal of Fatigue</i> , 2021, 146, 106149.	5.7	8
17	Ductile failure of flat plates containing two through-wall cracks: Experimental investigation and numerical modeling. <i>International Journal of Pressure Vessels and Piping</i> , 2021, 191, 104377.	2.6	6
18	Effects of defect size and location on high cycle fatigue life of a maraging stainless steel at ambient and cryogenic temperatures. <i>International Journal of Fatigue</i> , 2022, 161, 106906.	5.7	5

#	ARTICLE	IF	CITATIONS
19	A combination rule for multiple surface cracks based on fatigue crack growth life. AIMS Materials Science, 2016, 3, 1649-1664.	1.4	4
20	Creep-Fatigue Crack Initiation Simulation of a Modified 12% Cr Steel Based on Grain Boundary Cavitation and Plastic Slip Accumulation. Materials, 2021, 14, 6565.	2.9	2
21	Numerical Analyses of Interaction Behavior of Multiple Surface Cracks Using a Modified Creep-Damage Model and Fracture Mechanics Approach. , 2013, , .		1
22	Study on the Local Mechanical Behavior and Forming Safety of the Clad Steel Plate Used in the Accumulator Tank of Nuclear Plant. Procedia Engineering, 2015, 130, 1524-1534.	1.2	1
23	Compression behavior of ceramic powders by inductive plasma sphero process. Ceramics International, 2021, 47, 28566-28574.	4.8	1
24	High-Temperature Defect Assessment for a P91 Reheat Elbow Using FAD and TDFAD Methods. Procedia Engineering, 2015, 130, 1371-1384.	1.2	0