

Yun Luo

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

478
citations

14
h-index

19
g-index

55
ext. papers

598
ext. citations

3.5
avg, IF

3.94
L-index

#	Paper	IF	Citations
50	Experimental to study the effect of multiple weld-repairs on microstructure, hardness and residual stress for a stainless steel clad plate. <i>Materials & Design</i> , 2013 , 51, 1052-1059		44
49	A model to predict the relaxation of weld residual stress by cyclic load: Experimental and finite element modeling. <i>International Journal of Fatigue</i> , 2017 , 95, 293-301	5	43
48	Evaluation of Through-Thickness Residual Stresses by Neutron Diffraction and Finite-Element Method in Thick Weld Plates. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2017 , 139,	1.2	28
47	Notch effect on creep damage for Hastelloy C276-BNi2 brazing joint. <i>Materials and Design</i> , 2015 , 84, 212-222	8.1	22
46	The microstructure, mechanical properties and fracture behavior of hastelloy C276-BNi2 brazed joint. <i>Materials and Design</i> , 2017 , 115, 458-466	8.1	21
45	Neutron Diffraction Measurement and Numerical Simulation to Study the Effect of Repair Depth on Residual Stress in 316L Stainless Steel Repair Weld. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2015 , 137,	1.2	21
44	Evolution of thermal stress and failure probability during reduction and re-oxidation of solid oxide fuel cell. <i>Journal of Power Sources</i> , 2017 , 371, 65-76	8.9	20
43	Effect of Impact Pressure on Reducing the Weld Residual Stress by Water Jet Peening in Repair Weld to 304 Stainless Steel Clad Plate. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2015 , 137,	1.2	20
42	Residual stress reduction in the penetration nozzle weld joint by overlay welding. <i>Materials & Design</i> , 2014 , 60, 443-450		19
41	Effects of anode porosity on thermal stress and failure probability of planar solid oxide fuel cell with bonded compliant seal. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 7464-7474	6.7	18
40	Effect of helix angle on residual stress in the spiral welded oil pipelines: Experimental and finite element modeling. <i>International Journal of Pressure Vessels and Piping</i> , 2018 , 168, 233-245	2.4	15
39	Residual Stress Distribution in a Dissimilar Weld Joint by Experimental and Simulation Study. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2017 , 139,	1.2	14
38	Creep damage and crack initiation in P92BNi2 brazed joint. <i>Materials & Design</i> , 2015 , 72, 63-71		14
37	Effect of notch position on creep damage for brazed joint. <i>Advances in Engineering Software</i> , 2016 , 100, 72-81	3.6	14
36	Creep analysis of solid oxide fuel cell with bonded compliant seal design. <i>Journal of Power Sources</i> , 2013 , 243, 913-918	8.9	14
35	Effect of Temperature Fluctuation on Creep and Failure Probability for Planar Solid Oxide Fuel Cell. <i>Journal of Fuel Cell Science and Technology</i> , 2015 , 12,		14
34	A new damage evolution model to estimate the creep fracture behavior of brazed joint under multiaxial stress. <i>International Journal of Mechanical Sciences</i> , 2018 , 149, 178-189	5.5	14

33	A study of the effective elastic modulus of a lattice truss panel structure by experimental and theoretical analysis. <i>Composite Structures</i> , 2017 , 165, 130-137	5.3	10
32	Creep failure prediction of brazing joints with double notches. <i>Materials and Design</i> , 2016 , 100, 271-279	8.1	10
31	Effect of tube radius on creep for an anode supported tubular solid oxide fuel cell: Experimental and finite element simulation. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 23198-23206	6.7	9
30	Creep rupture behavior of Hastelloy C276-BNi2 brazed joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 711, 223-232	5.3	9
29	Effective elastic constants of wire mesh material studied by theoretical and finite element methods. <i>Composite Structures</i> , 2018 , 184, 474-483	5.3	8
28	A more appropriate FE model to predict the creep crack initiation and growth behavior of brazed joint. <i>Engineering Fracture Mechanics</i> , 2018 , 204, 72-86	4.2	7
27	A Study on Microstructure, Residual Stresses and Stress Corrosion Cracking of Repair Welding on 304 Stainless Steel: Part I-Effects of Heat Input. <i>Materials</i> , 2020 , 13,	3.5	6
26	An analytical model to predict the equivalent creep strain rate of a lattice truss panel structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 661, 152-159	5.3	6
25	A Study on Microstructure, Residual Stresses and Stress Corrosion Cracking of Repair Welding on 304 Stainless Steel: Part II-Effects of Reinforcement Height. <i>Materials</i> , 2020 , 13,	3.5	5
24	Bending and twisting springback prediction in the punching of the core for a lattice truss sandwich structure. <i>Acta Metallurgica Sinica (English Letters)</i> , 2013 , 26, 241-246	2.5	5
23	Using X-Ray Diffraction and Finite Element Method to Analyze Residual Stress of Tube-to-Tubesheet Welded Joints in a Shell and Tube Heat Exchanger. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2017 , 139,	1.2	5
22	Experimental and Numerical Study on the Reduction of Residual Stress in the Fillet Weld by Overlay Welding and Cutting Method. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2016 , 138,	1.2	5
21	Effect of inhomogeneous oxidation on the mechanical degradation of anode supported solid oxide fuel cell. <i>Journal of Power Sources</i> , 2020 , 450, 227663	8.9	4
20	Characterization of creep constraint effect for brazed joint specimens at crack tip by new constraint parameter A_s . <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 109, 102707	3.7	4
19	A rigid-flexible coordinated method to control weld residual stress and deformation during local PWHT for ultra-large pressure vessels. <i>International Journal of Pressure Vessels and Piping</i> , 2021 , 191, 104323	2.4	4
18	Determination of Repair Weld Residual Stress in a Tube to Tube-Sheet Joint by Neutron Diffraction and the Finite Element Method. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2018 , 140,	1.2	3
17	Reduction of welding residual stress in the head-cylinder joint of a large rectifying tower by finite element method and experimental study. <i>International Journal of Pressure Vessels and Piping</i> , 2021 , 191, 104311	2.4	3
16	Residual stresses evolution during strip clad welding, post welding heat treatment and repair welding for a large pressure vessel. <i>International Journal of Pressure Vessels and Piping</i> , 2021 , 189, 104259 ⁴	2.4	3

15	Creep Damage Analysis of a Lattice Truss Panel Structure. <i>High Temperature Materials and Processes</i> , 2017 , 36, 89-96	0.9	2
14	Failure analysis on cracking of backing plate of lifting lug for air preheater. <i>Engineering Failure Analysis</i> , 2020 , 109, 104395	3.2	2
13	Using reinforce plate to control the residual stresses and deformation during local post-welding heat treatment for ultra-large pressure vessels. <i>International Journal of Pressure Vessels and Piping</i> , 2021 , 191, 104332	2.4	2
12	Optimization Study of Post-Weld Heat Treatment for 12Cr1MoV Pipe Welded Joint. <i>Metals</i> , 2021 , 11, 127	2.3	2
11	Stresses measurement and failure prevention of on-line natural gas transmission pipelines for compressor station on collapsible loess area in northwest China. <i>Engineering Failure Analysis</i> , 2021 , 126, 105467	3.2	2
10	Comparison of Brazed Residual Stress and Thermal Deformation between X-Type and Pyramidal Lattice Truss Sandwich Structure: Neutron Diffraction Measurement and Simulation Study. <i>High Temperature Materials and Processes</i> , 2016 , 35, 567-574	0.9	1
9	Fatigue crack simulation of the 316L brazed joint using the virtual crack closure technique. <i>International Journal of Pressure Vessels and Piping</i> , 2019 , 173, 20-25	2.4	1
8	A study of effective elastic constants of glass-fibre reinforced thermoplastic pipes by theoretical method and simulation. <i>International Journal of Pressure Vessels and Piping</i> , 2019 , 172, 100-106	2.4	1
7	Effects of Inner Defects on Creep Damage and Crack Initiation for a Brazed Joint. <i>High Temperature Materials and Processes</i> , 2018 , 37, 863-872	0.9	1
6	Effect of Helix Angle on Hydrogen Diffusion of Spiral Weld Pipe. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2017 , 140, 011009	1.8	1
5	Mismatch effect of material creep strength on creep damage and failure probability of planar solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2021 , 47, 2673-2673	6.7	1
4	Failure analysis of cracking in S30408 weld joint between cylinder and flange of pure steam sterilization pot. <i>Engineering Failure Analysis</i> , 2021 , 129, 105684	3.2	1
3	Modelling of the effect of interface morphology on hydrogen diffusion in a clad plate. <i>International Journal of Modelling, Identification and Control</i> , 2018 , 29, 144	0.6	0
2	A new calculation formula to describe the dynamic pressure of water jet peening with elliptical nozzle for high-efficiency treatment. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 095440622110586	1.3	0
1	Effects of dual-cracks on the creep crack growth behaviour of HastelloyC276-BNi2 brazed joints. <i>Materials at High Temperatures</i> , 2020 , 37, 230-242	1.1	