Pingsha Dong

List of Publications by Year
in descending order

192 papers	4,441 citations	117619 34 h-index	144002 57 g-index
192 all docs	192 docs citations	192 times ranked	1264 citing authors

#	Article	IF	Citations
1	A structural stress definition and numerical implementation for fatigue analysis of welded joints. International Journal of Fatigue, 2001, 23, 865-876.	5.7	448
2	Welding Residual Stresses and Effects on Fracture in Pressure Vessel and Piping Components: A Millennium Review and Beyond. Journal of Pressure Vessel Technology, Transactions of the ASME, 2000, 122, 329-338.	0.6	165
3	Analysis of residual stress relief mechanisms in post-weld heat treatment. International Journal of Pressure Vessels and Piping, 2014, 122, 6-14.	2.6	124
4	On formation of Al O C bonds at aluminum/polyamide joint interface. Applied Surface Science, 2019, 466, 202-209.	6.1	118
5	Residual Stress Analyses of a Multi-Pass Girth Weld: 3-D Special Shell Versus Axisymmetric Models. Journal of Pressure Vessel Technology, Transactions of the ASME, 2001, 123, 207-213.	0.6	104
6	Residual stresses and distortions in welded structures: a perspective for engineering applications. Science and Technology of Welding and Joining, 2005, 10, 389-398.	3.1	96
7	Analysis of residual stresses at weld repairs. International Journal of Pressure Vessels and Piping, 2005, 82, 258-269.	2.6	94
8	A path-dependent cycle counting method for variable-amplitude multi-axial loading. International Journal of Fatigue, 2010, 32, 720-734.	5.7	88
9	Equilibrium-equivalent structural stress approach to fatigue analysis of a rectangular hollow section joint. International Journal of Fatigue, 2005, 27, 85-94.	5.7	77
10	Stresses and stress intensities at notches: ?anomalous crack growth? revisited. International Journal of Fatigue, 2003, 25, 811-825.	5.7	73
11	Fatigue analysis of spot welds using a mesh-insensitive structural stress approach. International Journal of Fatigue, 2007, 29, 1546-1553.	5.7	71
12	A Robust Structural Stress Method for Fatigue Analysis of Offshore/Marine Structures. Journal of Offshore Mechanics and Arctic Engineering, 2005, 127, 68-74.	1.2	70
13	A structural strain method for low-cycle fatigue evaluation of welded components. International Journal of Pressure Vessels and Piping, 2014, 119, 39-51.	2.6	70
14	Analysis of the effects of vibration modes on fatigue damage in high-speed train bogie frames. Engineering Failure Analysis, 2018, 89, 222-241.	4.0	70
15	Coupled thermomechanical analysis of friction stir welding process using simplified models. Science and Technology of Welding and Joining, 2001, 6, 281-287.	3.1	68
16	Traction structural stress analysis of fatigue behaviors of rib-to-deck joints in orthotropic bridge deck. International Journal of Fatigue, 2019, 125, 11-22.	5.7	68
17	A structural strain parameter for a unified treatment of fatigue behaviors of welded components. International Journal of Fatigue, 2019, 124, 444-460.	5.7	65
18	Buckling Distortions and Mitigation Techniques for Thin-Section Structures. Journal of Materials Engineering and Performance, 2012, 21, 153-160.	2.5	60

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19	Analysis of fatigue failure mode transition in load-carrying fillet-welded connections. Marine Structures, 2016, 46, 102-126.	3.8	58
20	Analysis of Recent Fatigue Data Using the Structural Stress Procedure in ASME Div 2 Rewrite. Journal of Pressure Vessel Technology, Transactions of the ASME, 2007, 129, 355-362.	0.6	57
21	An analytically formulated structural strain method for fatigue evaluation of welded components incorporating nonlinear hardening effects. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 239-255.	3.4	56
22	The Master S-N Curve Approach to Fatigue of Piping and Vessel Welds. Welding in the World, Le Soudage Dans Le Monde, 2004, 48, 28-36.	2.5	54
23	A quantitative weld sizing criterion for fatigue design of load-carrying fillet-welded connections. International Journal of Fatigue, 2017, 101, 448-458.	5.7	53
24	A full-field residual stress estimation scheme for fitness-for-service assessment of pipe girth welds: Part I â€“ Identification of key parameters. International Journal of Pressure Vessels and Piping, 2015, 126-127, 58-70.	2.6	52
25	A new path-dependent fatigue damage model for non-proportional multi-axial loading. International Journal of Fatigue, 2016, 90, 210-221.	5.7	52
26	Length scale of secondary stresses in fracture and fatigue. International Journal of Pressure Vessels and Piping, 2008, 85, 128-143.	2.6	49
27	Residual stresses in strength-mismatched welds and implications on fracture behavior. Engineering Fracture Mechanics, 1999, 64, 485-505.	4.3	47
28	An equivalent stress parameter for multi-axial fatigue evaluation of welded components including non-proportional loading effects. International Journal of Fatigue, 2017, 101, 297-311.	5.7	47
29	Effects of Repair Weld Length on Residual Stress Distribution. Journal of Pressure Vessel Technology, Transactions of the ASME, 2002, 124, 74-80.	0.6	43
30	On the Mechanics of Residual Stresses in Girth Welds. Journal of Pressure Vessel Technology, Transactions of the ASME, 2007, 129, 345-354.	0.6	43
31	Multiaxial fatigue life assessment of welded structures. Engineering Fracture Mechanics, 2010, 77, 3011-3021.	4.3	40
32	Residual stresses at weld repairs and effects of repair geometry. Science and Technology of Welding and Joining, 2017, 22, 265-277.	3.1	38
33	A full-field residual stress estimation scheme for fitness-for-service assessment of pipe girth welds: Part II â€“ A shell theory based implementation. International Journal of Pressure Vessels and Piping, 2015, 128, 8-17.	2.6	37
34	From thick intermetallic to nanoscale amorphous phase at Al-Fe joint interface: roles of friction stir welding conditions. Scripta Materialia, 2021, 191, 167-172.	5.2	37
35	A multi-axial vibration fatigue evaluation procedure for welded structures in frequency domain. Mechanical Systems and Signal Processing, 2022, 167, 108516.	8.0	37
36	Fabrication and Engineering Technology for Lightweight Ship Structures, Part 1: Distortions and Residual Stresses in Panel Fabrication. Journal of Ship Production, 2004, 20, 43-59.	0.2	36

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37	Modeling of weld residual stresses in core shroud structures. Nuclear Engineering and Design, 2000, 195, 171-187.	1.7	35
38	On residual stress prescriptions for fitness for service assessment of pipe girth welds. International Journal of Pressure Vessels and Piping, 2014, 123-124, 19-29.	2.6	35
39	The Master S-N Curve Approach to Fatigue Evaluation of Offshore and Marine Structures. , 2004, , 847.		34
40	The Design Master S-N Curve in ASME Div 2 Rewrite and its Validations. Welding in the World, Le Soudage Dans Le Monde, 2007, 51, 53-63.	2.5	34
41	A simplified structural strain method for low-cycle fatigue evaluation of girth-welded pipe components. International Journal of Fatigue, 2020, 139, 105732.	5.7	34
42	A Robust Structural Stress Parameter for Evaluation of Multiaxial Fatigue of Weldments. Journal of ASTM International, 2006, 3, 100348.	0.2	34
43	Elastic-plastic analysis of cracks in pressure-sensitive materials. International Journal of Solids and Structures, 1991, 28, 1113-1127.	2.7	33
44	Residual Stresses in Welded Moment Frames and Implications for Structural Performance. Journal of Structural Engineering, 2000, 126, 306-315.	3.4	33
45	Plane-strain mixed-mode near-tip fields in elastic perfectly plastic solids under small-scale yielding conditions. International Journal of Fracture, 1990, 45, 243-262.	2.2	32
46	Effects of Repair Weld Residual Stresses on Wide-Panel Specimens Loaded in Tension. Journal of Pressure Vessel Technology, Transactions of the ASME, 1998, 120, 122-128.	0.6	31
47	A traction stress based shear strength definition for fillet welds. Journal of Strain Analysis for Engineering Design, 2012, 47, 562-575.	1.8	31
48	An analytical SCF solution method for joint misalignments and application in fatigue test data interpretation. Marine Structures, 2016, 50, 143-161.	3.8	31
49	An IIW residual stress profile estimation scheme for girth welds in pressure vessel and piping components. Welding in the World, Le Soudage Dans Le Monde, 2016, 60, 283-298.	2.5	31
50	The fatigue limit prediction of notched components â€“ A critical review and modified stress gradient based approach. International Journal of Fatigue, 2020, 135, 105531.	5.7	31
51	A high-speed metal-to-polymer direct joining technique and underlying bonding mechanisms. Journal of Materials Processing Technology, 2020, 280, 116610.	6.3	31
52	Strength analysis of fillet welds under longitudinal and transverse shear conditions. Marine Structures, 2015, 43, 87-106.	3.8	30
53	Current research on environmentally assisted cracking in light water reactor environments. Nuclear Engineering and Design, 1999, 194, 205-223.	1.7	27
54	Modeling of path-dependent multi-axial fatigue damage in aluminum alloys. International Journal of Fatigue, 2017, 95, 252-263.	5.7	27

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55	A framework for estimating residual stress profile in seam-welded pipe and vessel components part I: Weld region. International Journal of Pressure Vessels and Piping, 2016, 146, 74-86.	2.6	26
56	An experimental investigation into fatigue behaviors of single- and double-sided U rib welds in orthotropic bridge decks. International Journal of Fatigue, 2022, 159, 106827.	5.7	25
57	Modeling of GMA Weld Pools With Consideration of Droplet Impact. Journal of Engineering Materials and Technology, Transactions of the ASME, 1998, 120, 313-320.	1.4	24
58	A selectively-coupled shear localization model for friction stir welding process window estimation. International Journal of Machine Tools and Manufacture, 2017, 123, 89-104.	13.4	23
59	DIC-based structural strain approach for low-cycle fatigue assessment of AA 5083 welded joints. Theoretical and Applied Fracture Mechanics, 2021, 116, 103090.	4.7	23
60	A framework for estimating residual stress profile in seam welded pipe and vessel components Part II: Outside of weld region. International Journal of Pressure Vessels and Piping, 2016, 146, 65-73.	2.6	21
61	Fatigue of titanium weldments: S-N testing and analysis for data transferability among different joint types. Marine Structures, 2017, 53, 1-19.	3.8	21
62	On repair weld residual stresses and significance to structural integrity. Welding in the World, Le Soudage Dans Le Monde, 2018, 62, 351-362.	2.5	21
63	Finite element analysis of electrode wear mechanisms: Face extrusion and pitting effects. Science and Technology of Welding and Joining, 1998, 3, 59-64.	3.1	20
64	Assessment of Asmeâ€™s Fsrf Rules for Vessel and Piping Welds using a New Structural Stress Method. Welding in the World, Le Soudage Dans Le Monde, 2003, 47, 31-43.	2.5	20
65	Evaluation of magnesium weldment fatigue data using traction and notch stress methods. International Journal of Fatigue, 2020, 138, 105695.	5.7	20
66	A rapid pathâ€length searching procedure for multiâ€axial fatigue cycle counting. Fatigue and Fracture of Engineering Materials and Structures, 2012, 35, 556-571.	3.4	19
67	A generalized cycle counting criterion for arbitrary multi-axial fatigue loading conditions. Journal of Strain Analysis for Engineering Design, 2014, 49, 325-341.	1.8	19
68	Large area friction stir additive manufacturing of intermetallic-free aluminum-steel bimetallic components through interfacial amorphization. Journal of Manufacturing Processes, 2022, 73, 725-735.	5.9	19
69	A hybrid polygonal element method for fracture mechanics analysis of resistance spot welds containing porosity. Engineering Fracture Mechanics, 1998, 59, 815-825.	4.3	18
70	Fracture Mechanics Treatment of Residual Stresses in Defect Assessment. Welding in the World, Le Soudage Dans Le Monde, 2004, 48, 19-27.	2.5	18
71	Fatigue of Tubular Joints: Hot Spot Stress Method Revisited. Journal of Offshore Mechanics and Arctic Engineering, 2012, 134, .	1.2	18
72	Analysis of weld root fatigue cracking in load-carrying high-strength aluminum alloy cruciform joints. International Journal of Fatigue, 2020, 139, 105735.	5.7	18

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73	CAE Weld Durability Prediction: A Robust Single Damage Parameter Approach. , 0, , .		17
74	On the Residual Stress Profiles in New API 579/ASME FFS-1 Appendix E. Welding in the World, Le Soudage Dans Le Monde, 2007, 51, 119-127.	2.5	17
75	A universal approach to ratcheting problems of bree type incorporating arbitrary loading and material nonlinearity conditions. International Journal of Pressure Vessels and Piping, 2020, 185, 104137.	2.6	17
76	The effects of kinematic hardening on thermal ratcheting and Bree diagram boundaries. Thin-Walled Structures, 2021, 159, 107235.	5.3	17
77	Data-driven modeling of multiaxial fatigue in frequency domain. Marine Structures, 2022, 84, 103201.	3.8	17
78	Evaluation of Stress Intensity Factor-Based Predictive Technique for Fatigue Life of Resistance Spot Welds. , 0, , .		16
79	A Robust Structural Stress Procedure for Characterizing Fatigue Behavior of Welded Joints. , 2001, , .		16
80	Fatigue assessment of welded joints in API 579-1/ASME FFS-1 2016 - existing methods and new developments. Procedia Engineering, 2018, 213, 497-538.	1.2	16
81	Model for estimating electrode face diameter during resistance spot welding. Science and Technology of Welding and Joining, 1999, 4, 285-289.	3.1	15
82	Analysis of IIW X/XV RSDP Phase I Round-Robin Residual Stress Results. Welding in the World, Le Soudage Dans Le Monde, 2002, 46, 24-31.	2.5	15
83	Analysis of fatigue test conditions for reproducing weld toe cracking into U-rib wall in orthotropic bridge decks. International Journal of Fatigue, 2022, 162, 106976.	5.7	15
84	Investigation of Residual Stresses Distribution in Titanium Weldments. Materials Science Forum, 2014, 777, 171-175.	0.3	14
85	Fatigue resistance characterization of frictions stir welds between complex aluminum extrusions: An experimental and finite element study. International Journal of Fatigue, 2020, 141, 105861.	5.7	14
86	Asymptotic Crack-Tip Fields for Perfectly Plastic Solids Under Plane-Stress and Mixed-Mode Loading Conditions. Journal of Applied Mechanics, Transactions ASME, 1990, 57, 635-638.	2.2	13
87	Plane-stress mixed-mode near-tip fields in elastic perfectly plastic solids. Engineering Fracture Mechanics, 1990, 37, 43-57.	4.3	13
88	Numerical and experimental analysis of hydroelastic responses of a high-speed trimaran in oblique irregular waves. International Journal of Naval Architecture and Ocean Engineering, 2019, 11, 409-421.	2.3	13
89	Analysis of fatigue behavior of welded joints in orthotropic bridge deck using traction structural stress. Advances in Mechanical Engineering, 2019, 11, 168781401989021.	1.6	13
90	Fatigue Performance of Different Rib-To-Deck Connections Using Traction Structural Stress Method. Applied Sciences (Switzerland), 2020, 10, 1239.	2.5	12

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91	An overview and comparative assessment of approaches to multi-axial fatigue of welded components in codes and standards. International Journal of Fatigue, 2021, 146, 106144.	5.7	12
92	An Analytical Interpretation of Welding Linear Heat Input for 2D Residual Stress Models. , 2015, , .		11
93	A 2ndâ˜order SCF solution for modeling distortion effects on fatigue of lightweight structures. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 1695-1705.	2.5	11
94	Quantitative Weld Quality Acceptance Criteria: An Enabler for Structural Lightweighting and Additive Manufacturing. Welding Journal, 2020, 99, 39s-51s.	1.7	11
95	Low cycle fatigue evaluation of welded structures with arbitrary stress-strain curve considering stress triaxiality effect. International Journal of Fatigue, 2022, 162, 106969.	5.7	11
96	Amorphous interfacial microstructure and high bonding strength in Al-Fe bimetallic components enabled by a large-area solid-state additive manufacturing technique. Journal of Materials Processing Technology, 2022, 308, 117721.	6.3	11
97	Shear localisation modelling of friction stir weld formation process. Science and Technology of Welding and Joining, 2014, 19, 416-426.	3.1	10
98	Rankine source method analysis for nonlinear hydroelastic responses of a container ship in regular oblique waves. Ocean Engineering, 2019, 187, 106168.	4.3	10
99	A spectral fatigue method incorporating non-proportional multiaxial loading. International Journal of Fatigue, 2020, 131, 105300.	5.7	10
100	Residual stresses in narrow-groove girth welds and applications for fitness-for-service assessment. International Journal of Pressure Vessels and Piping, 2020, 188, 104238.	2.6	10
101	Quality detection and classification for ultrasonic welding of carbon fiber composites using time-series data and neural network methods. Journal of Manufacturing Systems, 2021, 61, 562-575.	13.9	10
102	Fatigue Analysis of Steel MIG Welds in Automotive Structures. , 2004, , .		9
103	High strength welding of Ti to stainless steel by spot impact: microstructure and weld performance. International Journal of Advanced Manufacturing Technology, 2020, 108, 1447-1461.	3.0	9
104	Engineering and Production Technology for Lightweight Ship Structures, Part II: Distortion Mitigation Technique and Implementation. Journal of Ship Production, 2007, 23, 82-93.	0.2	9
105	Modeling and Analysis of Microstructure Development in Resistance Spot Welds of High Strength Steels. , 0, , .		8
106	Fatigue of Piping and Vessel Welds: ASMEâ€™s FSRF Rules Revisited. , 2002, , 171.		8
107	Analysis of Hot Spot Stress and Alternative Structural Stress Methods. , 2003, , 213.		8
108	Low-Cycle Fatigue Evaluation Using the Weld Master S-N Curve. , 2006, , 237.		8

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109	Fatigue Life Assessment of Welded Structures with the Linear Traction Stress Analysis Approach. SAE International Journal of Materials and Manufacturing, 2012, 5, 183-194.	0.3	8
110	Modeling of banded structure in friction stir weld in strain rateâ€“hardening materials of Zenerâ€“Hollomon type. Journal of Strain Analysis for Engineering Design, 2015, 50, 175-189.	1.8	8
111	A Study of Fatigue Crack Propagation Paths at U-Rib Welds in Orthotropic Bridge Decks using a Phased-Array Imaging Technique. Theoretical and Applied Fracture Mechanics, 2022, 119, 103310.	4.7	8
112	Fatigue behaviors of aluminum alloy butt joints with backing plates: Experimental testing and traction stress modeling. International Journal of Fatigue, 2022, 163, 107040.	5.7	8
113	A Robust Structural Stress Method for Fatigue Analysis of Ship Structures. , 2003, , 199.		7
114	A path-dependent fatigue crack propagation model under non-proportional modes I and III loading conditions. Engineering Fracture Mechanics, 2017, 182, 202-214.	4.3	7
115	An Analytical-Based Structural Strain Method for Low Cycle Fatigue Evaluation of Girth-Welded Pipes. , 2017, , .		7
116	Analysis of the dynamic response and fatigue reliability of a full-scale carbody of a high-speed train. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 2006-2023.	2.0	7
117	Alloy amorphization through nanoscale shear localization at Al-Fe interface. Materials Today Physics, 2020, 15, 100252.	6.0	7
118	Transient Thermal Tensioning and Numerical Modeling of Thin Steel Ship Panel Structures. Journal of Ship Production, 2008, 24, 37-49.	0.2	7
119	A Structural Stress Approach Accounting for Notch Effects on Fatigue Propagation Life: Part I Theory. International Journal of Fatigue, 2022, 159, 106793.	5.7	7
120	Modeling of non-proportional multiaxial fatigue under synchronous and asynchronous sinusoidal loading conditions. International Journal of Fatigue, 2022, 163, 107000.	5.7	7
121	A Framework for Modeling Spot Welds in Finite Element Analysis of Auto-Body Structures. , 1999, , .		6
122	On the Mechanics of Residual Stresses in Girth Welds. , 2004, , 119.		6
123	A Full-Field Residual Stress Profile Estimation Scheme for Pipe Girth Welds. , 2012, , .		6
124	Comparison of Verity and Volvo Methods for Fatigue Life Assessment of Welded Structures. , 2013, , .		6
125	Reduction of Overwelding and Distortion for Naval Surface Combatants, Part 1: Optimized Weld Sizing for Lightweight Ship Structures. Journal of Ship Production and Design, 2014, 30, 184-193.	0.4	6
126	Finite element analysis of electrode wear mechanisms: face extrusion and pitting effects. Science and Technology of Welding and Joining, 1998, 3, 59-64.	3.1	6

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127	Modeling of fatigue failure mode in Uâ€rib to deck jointsÂin orthotropic bridge structures. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2721-2733.	3.4	6
128	Consistent Treatment of Weld Residual Stresses in Fracture Assessment. , 2002, , 89.		5
129	Analysis of Recent Fatigue Data Using the Structural Stress Procedure in ASME Div. 2 Rewrite. , 2005, , 253.		5
130	Computational Simulation of Line-Pipe Fabrication Processes. , 2006, , 603.		5
131	Stress Relaxation Behavior in PWHT of Welded Components. , 2011, , .		5
132	A Thermal Stress Mitigation Technique for Local Postweld Heat Treatment of Welds in Pressure Vessels. Journal of Pressure Vessel Technology, Transactions of the ASME, 2015, 137, .	0.6	5
133	An improved friction stir shear localization model and applications in understanding weld formation process in alloy Ti-6-4. International Journal of Advanced Manufacturing Technology, 2018, 95, 3549-3562.	3.0	5
134	An analytical method for interpreting distortion effects on fatigue test results of thin plate panel specimens. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 1707-1714.	2.5	5
135	Promising High-Speed Welding Techniques for Joining Polymers to Metals and Underlying Joining Mechanisms. Minerals, Metals and Materials Series, 2019, , 13-22.	0.4	5
136	Nonlinear time-domain hydroelastic analysis for a container ship in regular and irregular head waves by the Rankine panel method. Ships and Offshore Structures, 2019, 14, 631-645.	1.9	5
137	Analytical treatment of distortion effects on fatigue behaviors of lightweight shipboard structures. International Journal of Fatigue, 2020, 130, 105286.	5.7	5
138	Weld Process Modeling and It's Importance in a Manufacturing Environment. , 0, , .		4
139	Modeling of Resistance Spot Welds:From Process to Performance. , 0, , .		4
140	Residual Stresses in Weld Repairs and Mitigation by Design. , 2014, , .		4
141	A Structural Strain Method for Fatigue Evaluation of Welded Components. , 2014, , .		4
142	An Analytical Method for Estimating Welding-Induced Plastic Zone Size for Residual Stress Profile Development. , 2015, , .		4
143	Analysis methods of the dynamic structural stress in a full-scale welded carbody for high-speed trains. Advances in Mechanical Engineering, 2018, 10, 168781401880591.	1.6	4
144	An Analytical Shear Strength Model for Load-Carrying Fillet-Welded Connections Incorporating Nonlinear Effects. Journal of Structural Engineering, 2020, 146, 04019224.	3.4	4

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145	Reduction of Overwelding and Distortion for Naval Surface Combatants. Part 2: Weld Sizing Effects on Shear and Fatigue Performance. Journal of Ship Production and Design, 2016, 32, 21-36.	0.4	4
146	Reduction of Overwelding and Distortion for Naval Surface Combatants, Part 1: Optimized Weld Sizing for Lightweight Ship Structures. Journal of Ship Production and Design, 2014, 30, 184-193.	0.4	4
147	A Quantitative Weld Sizing Criterion and Applications in Load Capacity Evaluation of Hollow Structural Section Joints. Journal of Constructional Steel Research, 2022, 189, 107062.	3.9	4
148	An analytical method for consistent treatment of axial and angular misalignments in fatigue evaluation of welded joints. Thin-Walled Structures, 2022, 173, 109003.	5.3	4
149	A Coarse-Mesh hybrid structural stress method for fatigue evaluation of Spot-Welded structures. International Journal of Fatigue, 2022, 164, 107109.	5.7	4
150	Advanced Weld Modeling Techniques and Applications in Design and Manufacture of Automotive Structures. , 1998, , .		3
151	Effects of Welding Procedures on Formability: A Finite Element Study. , 0, , .		3
152	Computational Simulation from Hydroforming to Welding Assembly for Rapid Virtual Proto-Typing. , 1999, , .		3
153	Residual Stresses in Welded Moment Frames and Implications for Structural Performance. Journal of Structural Engineering, 2001, 127, 848-849.	3.4	3
154	Crack Growth Behavior in a Residual Stress Field for Vessel Type Structures. , 2003, , 43.		3
155	A Two-Stage Crack Growth Model Incorporating Environmental Effects. , 2004, , 105.		3
156	The Mechanics Basis of Residual Stress Profiles in Proposed API 579 Appendix E. , 2006, , 831.		3
157	A Robust Structural Stress Parameter for Evaluation of Multiaxial Fatigue of Weldments. , 0, , 206-206-17.		3
158	Effect of Welding Induced Residual Stresses on the Fatigue Behavior of T-joints. , 1998, , .		2
159	Important Residual Stress Features in Reactor Nozzle Dissimilar Metal Welds. , 2011, , .		2
160	Nodal Force Based Finite Element Method and its Application in Durability Analysis. , 2012, , .		2
161	Extreme Value Distribution Theory and its Application in Durability Analysis. , 2012, , .		2
162	The use of effective full penetration of T-butt welds in welded moment connections. Welding in the World, Le Soudage Dans Le Monde, 2020, 64, 1503-1519.	2.5	2

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163	Low-cycle fatigue evaluation for girth-welded pipes based on the structural strain method considering cyclic material behavior. International Journal of Naval Architecture and Ocean Engineering, 2020, 12, 868-880.	2.3	2
164	Analysis of Nonproportional Multiaxial Fatigue Test Data of Various Aluminum Alloys Using a New Damage Parameter. , 2017, , 278-298.		2
165	Reduction of Overwelding and Distortion for Naval Surface Combatants. Part 2: Weld Sizing Effects on Shear and Fatigue Performance. Journal of Ship Production and Design, 2016, 32, 21-36.	0.4	2
166	Characterization of Nugget Development under Electrode Wear Conditions in Resistance Spot Welding. , 0, , .		1
167	Closure to â€œResidual Stresses in Welded Moment Frames and Implications for Structural Performanceâ€•by J. Zhang and P. Dong. Journal of Structural Engineering, 2001, 127, 848-849.	3.4	1
168	Residual Stress Relief in Post-Weld Heat Treatment. , 2008, , .		1
169	A Master S-N Curve Representation of Subsea Umbilical Tube Weld Fatigue Data. , 2010, , .		1
170	A Rapid Convex Hull Algorithm for Implementing Path-Dependent Multi-Axial Fatigue. , 2010, , .		1
171	Analysis of Multi-Axial Fatigue Test Data Using a Path-Dependent Effective Stress/Strain Definition. , 2013, , .		1
172	Assessment of Residual Stress Profiles for Fitness for Service Assessment of Pipe Girth Welds. , 2014, , .		1
173	Analysis of Residual Stresses in Pipe Seam Welds and a Proposed Residual Stress Profile Estimation Method. , 2015, , .		1
174	A Residual Stress Profile Estimation Method for Narrow Groove Girth Welds. , 2018, , .		1
175	A Comprehensive Structural Strain Method Incorporating Strain-Hardening Effects: From LCF to Ratcheting Evaluations. , 2018, , .		1
176	Residual in Weld Repairs. , 2014, , 4203-4215.		1
177	Overwelding and distortion control for naval surface combatants. , 2012, , .		1
178	A Fatigue Failure Mode Transition Criterion for Sizing Load Carrying Fillet Welded Connections. , 2017, , 258-277.		1
179	Low-Cycle Fatigue of Pipe Components: Markâ€™s Method Revisited. , 2019, , .		1
180	Quantitative fatigue evaluation of complex welded connections and application in a train traction motor frame component. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2022, 236, 1252-1261.	2.0	1

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181	A Robust K Estimation Scheme using Mesh-Insensitive Structural Stresses. Welding in the World, Le Soudage Dans Le Monde, 2004, 48, 28-38.	2.5	0
182	Analysis of Vessel and Piping Weld Fatigue Data Using the Master S-N Curve Method. , 2004, , 43.		0
183	Weld Residual Stresses and Their Treatment in Fracture and Fatigue Assessment. , 2004, , 857.		0
184	A Mechanics Based Parametric Description of Residual Stress Profiles for Fracture and Fatigue Assessment. , 2005, , 939.		0
185	Innovative Electrode Design and FEA Validation of Aluminum Resistance Spot Welding. , 0, , .		0
186	Fatigue of Tubular Joints: Hot Spot Stress Method Revisited. , 2008, , .		0
187	Multi-Axial Cycle Counting and Fatigue Life Assessment Based on Nominal and Battelle Structural Stresses. , 2010, , .		0
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