

# Liuyang Feng

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

296  
citations

758635

12  
h-index

887659

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low cycle fatigue test and enhanced lifetime estimation of high-strength steel S550 under different strain ratios. <i>Marine Structures</i> , 2018, 61, 343-360.	1.6	42
2	Assessment of tunnel face stability subjected to an adjacent tunnel. <i>Reliability Engineering and System Safety</i> , 2021, 205, 107228.	5.1	28
3	Enhanced sizing for surface cracks in welded tubular joints using ultrasonic phased array and image processing. <i>NDT and E International</i> , 2020, 116, 102334.	1.7	26
4	Size effect and life estimation for welded plate joints under low cycle actions at room and low ambient temperatures. <i>Thin-Walled Structures</i> , 2018, 132, 195-207.	2.7	21
5	Enhanced prediction intervals of tunnel-induced settlement using the genetic algorithm and neural network. <i>Reliability Engineering and System Safety</i> , 2022, 223, 108439.	5.1	17
6	A hot-spot energy indicator for welded plate connections under cyclic axial loading and bending. <i>Engineering Structures</i> , 2017, 147, 598-612.	2.6	16
7	Enhanced crack sizing and life estimation for welded tubular joints under low cycle actions. <i>International Journal of Fatigue</i> , 2020, 137, 105670.	2.8	16
8	Effect of low temperatures on constant amplitude fatigue properties of Q345qD steel butt-welded joints. <i>Engineering Failure Analysis</i> , 2019, 105, 597-609.	1.8	15
9	A uniform volume-based fatigue indicator for high- and low-cycle assessment of notched components. <i>International Journal of Fatigue</i> , 2021, 144, 106048.	2.8	15
10	An adaptive learning approach to determine and update crack sizes from strain relaxation data for welded plate joints. <i>Engineering Fracture Mechanics</i> , 2022, 259, 108165.	2.0	14
11	Investigation on fatigue crack resistance of Q370qE bridge steel at a low ambient temperature. <i>Construction and Building Materials</i> , 2020, 236, 117566.	3.2	13
12	Reliability-based multi-objective optimization in tunneling alignment under uncertainty. <i>Structural and Multidisciplinary Optimization</i> , 2021, 63, 3007-3025.	1.7	13
13	Traction stress-based fatigue failure mode identification of load-carrying welded cruciform joints. <i>International Journal of Fatigue</i> , 2022, 161, 106897.	2.8	13
14	Fatigue crack initiation and energy-based life analysis for Q345qD bridge steel at low temperatures. <i>Journal of Constructional Steel Research</i> , 2021, 180, 106571.	1.7	11
15	Low-cycle fatigue behavior for stainless-clad 304+Q235B bimetallic steel. <i>International Journal of Fatigue</i> , 2022, 159, 106831.	2.8	11
16	Probabilistic fatigue life of welded plate joints under uncertainty in Arctic areas. <i>Journal of Constructional Steel Research</i> , 2021, 176, 106412.	1.7	8
17	Time-series interval prediction under uncertainty using modified double multiplicative neuron network. <i>Expert Systems With Applications</i> , 2021, 184, 115478.	4.4	6
18	Representation of nonlinear behavior of fully grouted K joints in pushover analysis. <i>Journal of Constructional Steel Research</i> , 2020, 169, 106024.	1.7	5

#	ARTICLE	IF	CITATIONS
19	A modified Neuber's rule for welded cruciform joints under low-cycle actions. <i>Journal of Strain Analysis for Engineering Design</i> , 2017, 52, 488-505.	1.0	4
20	Hanger pre-tensioning force optimization of steel tied-arch bridges considering operational loads. <i>Structural and Multidisciplinary Optimization</i> , 2021, 63, 867-880.	1.7	2
21	Nonlinear Dynamic Responses of Longitudinally Corrugated Shell Under Axially Nonuniform Internal Pressure. <i>AIAA Journal</i> , 2016, 54, 2869-2880.	1.5	0