

# 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  | 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        |
| 2  | 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        |
| 3  | Low-cycle fatigue behavior for stainless-clad 304+Q235B bimetallic steel. <i>International Journal of Fatigue</i> , 2022, 159, 106831.  | 2.8 | 11        |
| 4  | 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        |
| 5  | 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        |
| 6  | 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         |
| 7  | 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         |
| 8  | Assessment of tunnel face stability subjected to an adjacent tunnel. <i>Reliability Engineering and System Safety</i> , 2021, 205, 107228.  | 5.1 | 28        |
| 9  | Reliability-based multi-objective optimization in tunneling alignment under uncertainty. <i>Structural and Multidisciplinary Optimization</i> , 2021, 63, 3007-3025.              | 1.7 | 13        |
| 10 | 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        |
| 11 | Time-series interval prediction under uncertainty using modified double multiplicative neuron network. <i>Expert Systems With Applications</i> , 2021, 184, 115478.               | 4.4 | 6         |
| 12 | 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        |
| 13 | 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        |
| 14 | 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        |
| 15 | 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         |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A modified Neuberâ€™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 | 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        |
| 21 | Nonlinear Dynamic Responses of Longitudinally Corrugated Shell Under Axially Nonuniform Internal Pressure. <i>AIAA Journal</i> , 2016, 54, 2869-2880.         | 1.5 | 0         |