

# Yixun Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2809364/publications.pdf>

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16  
papers

211  
citations

1040056

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996975

15  
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all docs

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docs citations

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times ranked

103  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Fatigue performance of friction stir welded weathering mild steels joined below A1 temperature. International Journal of Fatigue, 2022, 156, 106667.  | 5.7 | 8         |
| 2  | Effects of phosphorus content on fatigue performance of friction stir welded mild steels. Construction and Building Materials, 2022, 324, 126682.   | 7.2 | 5         |
| 3  | Microstructure and mechanical properties of friction stir welded high phosphorus weathering steel. Science and Technology of Welding and Joining, 2022, 27, 388-397.  | 3.1 | 0         |
| 4  | Microstructure, mechanical properties and fatigue behaviors of linear friction welded weathering steels. International Journal of Fatigue, 2022, 159, 106829.   | 5.7 | 14        |
| 5  | Fatigue strength and fracture characteristics of linear friction welded joints of weathering mild steel. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2769-2783.                               | 3.4 | 2         |
| 6  | Generalized SCF Formula of Out-Of-Plane Gusset Welded Joints and Assessment of Fatigue Life Extension by Additional Weld. Materials, 2021, 14, 1249.  | 2.9 | 5         |
| 7  | Microstructure and mechanical properties of weathering mild steel joined by friction stir welding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 823, 141715. | 5.6 | 16        |
| 8  | Fatigue Life Assessment of Welded Joints by Combined Measurements Using DIC and XRD. Materials, 2021, 14, 5802.   | 2.9 | 2         |
| 9  | Parametric Formula for Stress Concentration Factor of Fillet Weld Joints with Spline Bead Profile. Materials, 2020, 13, 4639.   | 2.9 | 21        |
| 10 | Optimization of stop-hole parameters for cracks at diaphragm-to-rib weld in steel bridges. Journal of Constructional Steel Research, 2019, 162, 105747.   | 3.9 | 20        |
| 11 | Cracking reasons and features of fatigue details in the diaphragm of curved steel box girder. Engineering Structures, 2019, 201, 109767.  | 5.3 | 17        |
| 12 | Effects of multiaxial fatigue on typical details of orthotropic steel bridge deck. Thin-Walled Structures, 2019, 135, 137-146.  | 5.3 | 45        |
| 13 | Bending Performance of Lightweight Aggregate Concrete-filled Steel Tube Composite Beam. KSCE Journal of Civil Engineering, 2018, 22, 3894-3902.   | 1.9 | 7         |
| 14 | Assessment approach for multiaxial fatigue damage of deck and U-rib weld in steel bridge decks. Construction and Building Materials, 2018, 189, 276-285.  | 7.2 | 10        |
| 15 | Cable Force Calculation Using Vibration Frequency Methods Based on Cable Geometric Parameters. Journal of Performance of Constructed Facilities, 2017, 31, .  | 2.0 | 16        |
| 16 | Fatigue evaluation of cable-stayed bridge steel deck based on predicted traffic flow growth. KSCE Journal of Civil Engineering, 2017, 21, 1400-1409.  | 1.9 | 21        |