

# Jun Hu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3840752/publications.pdf>

Version: 2024-02-01

39  
papers

559  
citations

623734

14  
h-index

642732

23  
g-index

39  
all docs

39  
docs citations

39  
times ranked

391  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Probabilistic stability analyses of undrained slopes by 3D random fields and finite element methods. <i>Geoscience Frontiers</i> , 2018, 9, 1657-1664.   | 8.4 | 105       |
| 2  | Strength evaluation of marine clay stabilized by cementitious binder. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 730-743.  | 2.1 | 41        |
| 3  | Rock-soil slope stability analysis by two-phase random media and finite elements. <i>Geoscience Frontiers</i> , 2018, 9, 1649-1655.  | 8.4 | 39        |
| 4  | Effects of material and drilling uncertainties on artificial ground freezing of cement-admixed soils. <i>Canadian Geotechnical Journal</i> , 2017, 54, 1659-1671.                                  | 2.8 | 32        |
| 5  | Artificial Ground Freezing In Tunnelling Through Aquifer Soil Layers: a Case Study in Nanjing Metro Line 2. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 4136-4142.                        | 1.9 | 31        |
| 6  | Triaxial behavior of cement-stabilized organic matter-disseminated sand. <i>Acta Geotechnica</i> , 2021, 16, 211-220.  | 5.7 | 28        |
| 7  | Finite-Element Analysis of Heat Transfer of Horizontal Ground-Freezing Method in Shield-Driven Tunneling. <i>International Journal of Geomechanics</i> , 2017, 17, .                               | 2.7 | 27        |
| 8  | Probabilistic investigations on the watertightness of jet-grouted ground considering geometric imperfections in diameter and position. <i>Canadian Geotechnical Journal</i> , 2017, 54, 1447-1459. | 2.8 | 26        |
| 9  | Statistical evaluation of the overall strength of a soil-cement column under axial compression. <i>Construction and Building Materials</i> , 2017, 132, 51-60.                                     | 7.2 | 23        |
| 10 | A direct simulation algorithm for a class of beta random fields in modelling material properties. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 326, 642-655.               | 6.6 | 22        |
| 11 | Soil-Rock Slope Stability Analysis by Considering the Nonuniformity of Rocks. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-15.  | 1.1 | 19        |
| 12 | Lateral compression response of overlapping jet-grout columns with geometric imperfections in radius and position. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1282-1294.                     | 2.8 | 18        |
| 13 | Statistical Evaluation of the Load-Settlement Response of a Multicolumn Composite Foundation. <i>International Journal of Geomechanics</i> , 2018, 18, .   | 2.7 | 17        |
| 14 | Settlement evaluation of soft ground reinforced by deep mixed columns. <i>International Journal of Pavement Research and Technology</i> , 2016, 9, 460-465.  | 2.6 | 15        |
| 15 | A three-dimensional algorithm for estimating water-tightness of cement-treated ground with geometric imperfections. <i>Computers and Geotechnics</i> , 2019, 115, 103176.                          | 4.7 | 14        |
| 16 | Finite element study on temperature field of subway connection aisle construction via artificial ground freezing method. <i>Cold Regions Science and Technology</i> , 2021, 189, 103327.           | 3.5 | 14        |
| 17 | Site Measurement and Study of Vertical Freezing Wall Temperatures of a Large-Diameter Shield Tunnel. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-11.                                      | 0.7 | 12        |
| 18 | Modeling Seepage Flow and Spatial Variability of Soil Thermal Conductivity during Artificial Ground Freezing for Tunnel Excavation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6275.        | 2.5 | 10        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Unconfined Mechanical Properties of Nanoclay Cement Compound Modified Calcareous Sand of the South China Sea. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-16.                                   | 0.7 | 10        |
| 20 | Numerical Analysis of Temperature Field of Cup-Shaped Frozen Soil Wall Reinforcement at Shield Shaft. <i>Applied Mechanics and Materials</i> , 0, 341-342, 1467-1471.                                    | 0.2 | 8         |
| 21 | Statistical Analysis of Earthquake-Induced Bending Moment in Fixed-Head Piles Embedded in Soft Clay. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, .                                       | 2.9 | 7         |
| 22 | Effect of Lattice Leg and Sleeve on the Transient Vertical Bearing Capacity of Deeply Penetrated Spudcans in Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, . | 3.0 | 6         |
| 23 | Study on Construction Risk Analysis and Risk Counter-Measures of River-Crossing Tunnel of Large-Diameter Metro. <i>Applied Mechanics and Materials</i> , 0, 166-169, 2680-2683.                          | 0.2 | 5         |
| 24 | Simulation of response spectrum-compatible ground motions using wavelet-based multi-resolution analysis. <i>Measurement and Control</i> , 2021, 54, 641-646.   | 1.8 | 5         |
| 25 | Finite Element Analysis of Natural Thawing Heat Transfer of Artificial Frozen Soil in Shield-Driven Tunnelling. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-18.                                 | 0.7 | 4         |
| 26 | Engineering Characteristics and Reinforcement Approaches of Organic Sandy Soil. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-12.   | 0.7 | 3         |
| 27 | Triaxial Mechanical Properties and Micromechanism of Calcareous Sand Modified by Nanoclay and Cement. <i>Geofluids</i> , 2021, 2021, 1-9.  | 0.7 | 3         |
| 28 | Numerical Modeling of 3D Slopes with Weak Zones by Random Field and Finite Elements. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9852.   | 2.5 | 3         |
| 29 | Experimental Research on the Physi-Mechanical Performances of Geosynthetics. <i>Applied Mechanics and Materials</i> , 0, 341-342, 33-37.   | 0.2 | 2         |
| 30 | Temperature Field Numerical Analysis of Different Freeze Pipe Spacing of Vertical Frozen Soil Wall Reinforcement at Shield Shaft. <i>Applied Mechanics and Materials</i> , 2014, 580-583, 738-741.       | 0.2 | 2         |
| 31 | Laboratory Investigations into the Bearing Capacity of Straw Bales for Low-Rise Building Applications. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-10.  | 0.7 | 2         |
| 32 | Finite Element Study on Temperature Field of Underwater Dredging Devices via the Artificial Ground Freezing Method. <i>Geofluids</i> , 2022, 2022, 1-12.   | 0.7 | 2         |
| 33 | A Shape Optimization Based on Strain Energy for Framed Structures. <i>Applied Mechanics and Materials</i> , 2014, 578-579, 532-535.  | 0.2 | 1         |
| 34 | Numerical Analysis of Temperature Field of Vertical Frozen Soil Wall Reinforcement at Shield Shaft. <i>Advanced Materials Research</i> , 2014, 918, 218-223.   | 0.3 | 1         |
| 35 | An Analytical Method for Elastic Seismic Response of Structures Considering the Effect of Ground Motion Duration. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10949.                               | 2.5 | 1         |
| 36 | The Î-Formed Diaphragm Wall Construction for Departure and Reception of Shield Machine. <i>Sustainability</i> , 2022, 14, 7653.  | 3.2 | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Numerical Analysis of a Temperature Field within a Vertical Frozen Soil Wall. , 2016, , .  |     | 0         |
| 38 | Numerical Analysis for U-Shaped Thin-Walled Structure Reinforced Timber Beam Based on Thin-Layer Beam Theory. Advances in Civil Engineering, 2019, 2019, 1-10. | 0.7 | 0         |
| 39 | A New Elastoplastic Time-History Analysis Method for Frame Structures. Advances in Civil Engineering, 2020, 2020, 1-8.   | 0.7 | 0         |