

Te Xiao

List of Publications by Year in descending order

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28
papers

1,120
citations

516561

16
h-index

610775

24
g-index

28
all docs

28
docs citations

28
times ranked

699
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting spatio-temporal man-made slope failures induced by rainfall in Hong Kong using machine learning techniques. <i>Geotechnique</i> , 2023, 73, 749-765.	2.2	14
2	Response surface guided adaptive slope reliability analysis in spatially varying soils. <i>Computers and Geotechnics</i> , 2021, 132, 103966.	2.3	34
3	Urban flood analysis for Pearl River Delta cities using an equivalent drainage method upon combined rainfall-high tide-storm surge events. <i>Journal of Hydrology</i> , 2021, 597, 126293.	2.3	30
4	Coastal town flooding upon compound rainfall-wave overtopping-storm surge during extreme tropical cyclones in Hong Kong. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100890.	1.0	6
5	Machine learning-enhanced soil classification by integrating borehole and CPTU data with noise filtering. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 9157-9171.	1.6	18
6	Engineering Risk Mitigation for Landslide Hazard Chains: The Baige Landslides on the Jinsha River in 2018. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021, , 109-120.	0.3	1
7	Evaluation of Performance of Engineered Slopes under Extreme Rainstorms. , 2020, , .		2
8	Spatial-temporal rain field generation for the Guangdong-Hong Kong-Macau Greater Bay Area considering climate change. <i>Journal of Hydrology</i> , 2020, 583, 124584.	2.3	22
9	Barrier lake bursting and flood routing in the Yarlung Tsangpo Grand Canyon in October 2018. <i>Journal of Hydrology</i> , 2020, 583, 124603.	2.3	90
10	Simulation of Dam Breaching and Flood Routing on the Jinsha River. <i>Springer Series in Geomechanics and Geoengineering</i> , 2020, , 378-383.	0.0	0
11	Quantification of Uncertainties for Risk Management of Landslide Dam Break Emergency. <i>Springer Series in Geomechanics and Geoengineering</i> , 2020, , 289-294.	0.0	0
12	Evaluating stability of anisotropically deposited soil slopes. <i>Canadian Geotechnical Journal</i> , 2019, 56, 753-760.	1.4	41
13	Erosion-based analysis of breaching of Baige landslide dams on the Jinsha River, China, in 2018. <i>Landslides</i> , 2019, 16, 1965-1979.	2.7	123
14	Learning failure modes of soil slopes using monitoring data. <i>Probabilistic Engineering Mechanics</i> , 2019, 56, 50-57.	1.3	5
15	A novel physically-based model for updating landslide susceptibility. <i>Engineering Geology</i> , 2019, 251, 71-80.	2.9	40
16	Stepwise covariance matrix decomposition for efficient simulation of multivariate large-scale three-dimensional random fields. <i>Applied Mathematical Modelling</i> , 2019, 68, 169-181.	2.2	48
17	A Resilience Model for Engineered Slopes Subject to Anchor Corrosion. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 887-895.	0.9	6
18	Revisiting statistical correlation between Mohr-Coulomb shear strength parameters of Hoek-Brown rock masses. <i>Tunnelling and Underground Space Technology</i> , 2018, 77, 36-44.	3.0	6

#	ARTICLE	IF	CITATIONS
19	CPT-Based Probabilistic Characterization of Three-Dimensional Spatial Variability Using MLE. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	79
20	Centrifuge Modelling of Slope Instability Due to Leakage of Buried Pipes. Springer Series in Geomechanics and Geoengineering, 2018, , 1453-1457.	0.0	1
21	Generation of multivariate cross-correlated geotechnical random fields. Computers and Geotechnics, 2017, 86, 95-107.	2.3	58
22	Enhancement of slope stability by vegetation considering uncertainties in root distribution. Computers and Geotechnics, 2017, 85, 84-89.	2.3	55
23	Full probabilistic design of slopes in spatially variable soils using simplified reliability analysis method. Georisk, 2017, 11, 146-159.	2.6	38
24	Auxiliary Random Finite Element Method for Risk Assessment of 3-D Slope. , 2017, , .		2
25	Probabilistic Stratification Modeling in Geotechnical Site Characterization. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2017, 3, .	1.1	25
26	Three-dimensional slope reliability and risk assessment using auxiliary random finite element method. Computers and Geotechnics, 2016, 79, 146-158.	2.3	109
27	Efficient and consistent reliability analysis of soil slope stability using both limit equilibrium analysis and finite element analysis. Applied Mathematical Modelling, 2016, 40, 5216-5229.	2.2	80
28	Enhancement of random finite element method in reliability analysis and risk assessment of soil slopes using Subset Simulation. Landslides, 2016, 13, 293-303.	2.7	187