

Chao Su

List of Publications by Year in descending order

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26
papers

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citations

1478505

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26
all docs

26
docs citations

26
times ranked

160
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Classification of Reinforced Concrete Bridge Defects Using the Hybrid Network. Arabian Journal for Science and Engineering, 2022, 47, 5187-5197.	3.0	6
2	Analysis of Structural Characteristics of Underground Cavern Group by Simulating All Cavern Excavation. Advances in Civil Engineering, 2022, 2022, 1-16.	0.7	1
3	Safety Risk Analysis of a New Design of Basalt Fiber Gabion Slope Based on Improved 3D Discrete Element Method and Monitoring Data. Sensors, 2022, 22, 3645.	3.8	0
4	Automatic concrete crack segmentation model based on transformer. Automation in Construction, 2022, 139, 104275.	9.8	41
5	Deep learning based lithology classification of drill core images. PLoS ONE, 2022, 17, e0270826.	2.5	8
6	Structural Optimization Design of Ship Lock Heads on Soft Soil considering Time-Varying Effects of the Structure and Foundation. Mathematical Problems in Engineering, 2021, 2021, 1-21.	1.1	1
7	The Rheological Analytical Solution and Parameter Inversion of Soft Soil Foundation. Symmetry, 2021, 13, 1228.	2.2	1
8	Research on Vibration Reduction Control Based on Reinforcement Learning. Advances in Civil Engineering, 2021, 2021, 1-18.	0.7	5
9	Deep Learning-Based Real-Time Crack Segmentation for Pavement Images. KSCE Journal of Civil Engineering, 2021, 25, 4495-4506.	1.9	19
10	PSBFEM-Abaqus: Development of User Element Subroutine (UEL) for Polygonal Scaled Boundary Finite Element Method in Abaqus. Mathematical Problems in Engineering, 2021, 2021, 1-22.	1.1	3
11	Study on the Semiactive Control and Optimal Layout of a Hydropower House Based on Magnetorheological Dampers. Mathematical Problems in Engineering, 2021, 2021, 1-17.	1.1	0
12	Design and implementation of waterway facilities management database based on GIS. , 2021, , .		0
13	Comparative study on calculation methods of stress in different sections of gravity dam. , 2021, , .		0
14	Free and Forced Vibration Analysis in Abaqus Based on the Polygonal Scaled Boundary Finite Element Method. Advances in Civil Engineering, 2021, 2021, 1-17.	0.7	1
15	Combining Finite Element and Analytical methods to Contact Problems of 3D Structure on Soft Foundation. Mathematical Problems in Engineering, 2020, 2020, 1-18.	1.1	1
16	Structural Optimization of Ship Lock Heads during Construction Period considering Concrete Creep. Mathematical Problems in Engineering, 2020, 2020, 1-17.	1.1	2
17	Modeling Hydromechanical Reinforcement of Vegetation to Improve the Stability of a Shallow Slope. Soil Mechanics and Foundation Engineering, 2020, 57, 422-428.	0.7	3
18	Convolutional Neural Network-Based Pavement Crack Segmentation Using Pyramid Attention Network. IEEE Access, 2020, 8, 206548-206558.	4.2	37

#	ARTICLE	IF	CITATIONS
19	Design Optimization of Concrete Aqueduct Structure considering Temperature Effects. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	3
20	Research on the Optimization Design of Abnormal Flip Buckets. Mathematical Problems in Engineering, 2020, 2020, 1-14.	1.1	1
21	Concrete Cracks Detection Using Convolutional NeuralNetwork Based on Transfer Learning. Mathematical Problems in Engineering, 2020, 2020, 1-10.	1.1	30
22	Development of an Effective Method for Calculations related to Creep. Arabian Journal for Science and Engineering, 2018, 43, 1561-1571.	3.0	3
23	The Investigation and 3D Numerical Simulation of Herb Roots in Reinforcing Soil and Stabilizing Slope. KSCE Journal of Civil Engineering, 2018, 22, 4909-4921.	1.9	9
24	Microstructural damage evolution and its effect on fracture behavior of concrete subjected to freeze-thaw cycles. International Journal of Damage Mechanics, 2018, 27, 1272-1288.	4.2	58
25	Application of the Value Optimization Model of Key Factors Based on DSEM. Mathematical Problems in Engineering, 2016, 2016, 1-12.	1.1	1
26	Mutibody frictional contact analysis for constructive foundation face of arch dam. , 2011, , .		0