

Chao Su

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

234
citations

1478505

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996975

15
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26
all docs

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docs citations

26
times ranked

160
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural damage evolution and its effect on fracture behavior of concrete subjected to freeze-thaw cycles. <i>International Journal of Damage Mechanics</i> , 2018, 27, 1272-1288.	4.2	58
2	Automatic concrete crack segmentation model based on transformer. <i>Automation in Construction</i> , 2022, 139, 104275.	9.8	41
3	Convolutional Neural Network-Based Pavement Crack Segmentation Using Pyramid Attention Network. <i>IEEE Access</i> , 2020, 8, 206548-206558.	4.2	37
4	Concrete Cracks Detection Using Convolutional NeuralNetwork Based on Transfer Learning. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-10.	1.1	30
5	Deep Learning-Based Real-Time Crack Segmentation for Pavement Images. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 4495-4506.	1.9	19
6	The Investigation and 3D Numerical Simulation of Herb Roots in Reinforcing Soil and Stabilizing Slope. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 4909-4921.	1.9	9
7	Deep learning based lithology classification of drill core images. <i>PLoS ONE</i> , 2022, 17, e0270826.	2.5	8
8	Automatic Classification of Reinforced Concrete Bridge Defects Using the Hybrid Network. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5187-5197.	3.0	6
9	Research on Vibration Reduction Control Based on Reinforcement Learning. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-18.	0.7	5
10	Development of an Effective Method for Calculations related to Creep. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 1561-1571.	3.0	3
11	Modeling Hydromechanical Reinforcement of Vegetation to Improve the Stability of a Shallow Slope. <i>Soil Mechanics and Foundation Engineering</i> , 2020, 57, 422-428.	0.7	3
12	Design Optimization of Concrete Aqueduct Structure considering Temperature Effects. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-11.	1.1	3
13	PSBFEM-Abaqus: Development of User Element Subroutine (UEL) for Polygonal Scaled Boundary Finite Element Method in Abaqus. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-22.	1.1	3
14	Structural Optimization of Ship Lock Heads during Construction Period considering Concrete Creep. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-17.	1.1	2
15	Application of the Value Optimization Model of Key Factors Based on DSEM. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-12.	1.1	1
16	Combining Finite Element and Analytical methods to Contact Problems of 3D Structure on Soft Foundation. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-18.	1.1	1
17	Research on the Optimization Design of Abnormal Flip Buckets. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-14.	1.1	1
18	Structural Optimization Design of Ship Lock Heads on Soft Soil considering Time-Varying Effects of the Structure and Foundation. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-21.	1.1	1

#	ARTICLE	IF	CITATIONS
19	The Rheological Analytical Solution and Parameter Inversion of Soft Soil Foundation. Symmetry, 2021, 13, 1228.	2.2	1
20	Analysis of Structural Characteristics of Underground Cavern Group by Simulating All Cavern Excavation. Advances in Civil Engineering, 2022, 2022, 1-16.	0.7	1
21	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
22	Mutibody frictional contact analysis for constructive foundation face of arch dam. , 2011, , .		0
23	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
24	Design and implementation of waterway facilities management database based on GIS. , 2021, , .		0
25	Comparative study on calculation methods of stress in different sections of gravity dam. , 2021, , .		0
26	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