

Shui-Long Shen

List of Publications by Year in descending order

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Version: 2024-02-01

331
papers

17,269
citations

8732

75
h-index

22764

112
g-index

345
all docs

345
docs citations

345
times ranked

5870
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of geological characteristics from construction parameters during shield tunnelling. <i>Acta Geotechnica</i> , 2023, 18, 535-551.	2.9	22
2	An extended TODIM-based model for evaluating risks of excavation system. <i>Acta Geotechnica</i> , 2022, 17, 1053-1069.	2.9	20
3	Time-series prediction of shield movement performance during tunneling based on hybrid model. <i>Tunnelling and Underground Space Technology</i> , 2022, 119, 104245.	3.0	42
4	Fractal-based model for maximum penetration distance of grout slurry flowing through soils with different dry densities. <i>Computers and Geotechnics</i> , 2022, 141, 104526.	2.3	12
5	Numerical evaluation of segmental tunnel lining with voids in outside backfill. <i>Underground Space (China)</i> , 2022, 7, 786-797.	3.4	15
6	Risk evaluation of excavation based on fuzzy decision-making model. <i>Automation in Construction</i> , 2022, 136, 104143.	4.8	33
7	Real-time prediction of shield moving trajectory during tunnelling. <i>Acta Geotechnica</i> , 2022, 17, 1533-1549.	2.9	57
8	Deep learning analysis for energy consumption of shield tunneling machine drive system. <i>Tunnelling and Underground Space Technology</i> , 2022, 123, 104405.	3.0	55
9	Assessment of safety status of shield tunnelling using operational parameters with enhanced SPA. <i>Tunnelling and Underground Space Technology</i> , 2022, 123, 104428.	3.0	32
10	Enhancement of neural networks with an alternative activation function tanhLU. <i>Expert Systems With Applications</i> , 2022, 199, 117181.	4.4	48
11	Prediction of geological characteristics from shield operational parameters by integrating grid search and K-fold cross validation into stacking classification algorithm. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 1292-1303.	3.7	50
12	Indices and models of surface water quality assessment: Review and perspectives. <i>Environmental Pollution</i> , 2022, 308, 119611.	3.7	51
13	Energy sources evaluation based on multi-criteria decision support approach in China. , 2022, 2, 100017.		5
14	Real-time analysis and prediction of shield cutterhead torque using optimized gated recurrent unit neural network. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 1232-1240.	3.7	17
15	Modeling drainage in porous media considering locally variable contact angle based on pore morphology method. <i>Journal of Hydrology</i> , 2022, 612, 128157.	2.3	3
16	Dynamic prediction of jet grouted column diameter in soft soil using Bi-LSTM deep learning. <i>Acta Geotechnica</i> , 2021, 16, 303-315.	2.9	99
17	Mechanical, flame-retarding, and creep-recovery properties of ethylene-propylene diene monomer enhanced with nano-hydroxide for undersea tunnel sealing gasket. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49946.	1.3	9
18	Discussion: Challenges of earth pressure balance tunnelling in weathered granite with boulders. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2021, 174, 91-95.	0.9	6

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19	Calculation of groundwater head distribution with a close barrier during excavation dewatering in confined aquifer. <i>Geoscience Frontiers</i> , 2021, 12, 791-803.	4.3	56
20	Investigation of Crack Control of Underground Concrete Structure with Expansive Additives. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	6
21	Assessment and management of lake eutrophication: A case study in Lake Erhai, China. <i>Science of the Total Environment</i> , 2021, 751, 141618.	3.9	167
22	Prediction of Disc Cutter Life During Shield Tunneling with AI via the Incorporation of a Genetic Algorithm into a GMDH-Type Neural Network. <i>Engineering</i> , 2021, 7, 238-251.	3.2	126
23	An analytical method for estimating horizontal transition probability matrix of coupled Markov chain for simulating geological uncertainty. <i>Computers and Geotechnics</i> , 2021, 129, 103871.	2.3	18
24	A diffusion model for backfill grout behind shield tunnel lining. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021, 45, 457-477.	1.7	25
25	Application of LSTM approach for modelling stress-strain behaviour of soil. <i>Applied Soft Computing Journal</i> , 2021, 100, 106959.	4.1	86
26	Improved prediction of slope stability using a hybrid stacking ensemble method based on finite element analysis and field data. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 188-201.	3.7	119
27	The development of IFN-SPA: A new risk assessment method of urban water quality and its application in Shanghai. <i>Journal of Cleaner Production</i> , 2021, 282, 124542.	4.6	35
28	Optimum model for bearing capacity of concrete-steel columns with AI technology via incorporating the algorithms of IWO and ABC. <i>Engineering With Computers</i> , 2021, 37, 797-807.	3.5	43
29	Environmentally sustainable groundwater control during dewatering with barriers: A case study in Shanghai. <i>Underground Space (China)</i> , 2021, 6, 12-23.	3.4	7
30	Risk assessment of geohazards along Cheng-Kun railway using fuzzy AHP incorporated into GIS. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 1508-1531.	2.0	47
31	Method for lake eutrophication levels evaluation: TOPSIS-MCS. <i>MethodsX</i> , 2021, 8, 101311.	0.7	2
32	Risk assessment and management of excavation system based on fuzzy set theory and machine learning methods. <i>Automation in Construction</i> , 2021, 122, 103490.	4.8	117
33	Automatic control of groundwater balance to combat dewatering during construction of a metro system. <i>Automation in Construction</i> , 2021, 123, 103536.	4.8	43
34	Evaluation of the hydrochemistry of groundwater at Jhelum Basin, Punjab, Pakistan. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	14
35	Novel model for risk identification during karst excavation. <i>Reliability Engineering and System Safety</i> , 2021, 209, 107435.	5.1	52
36	Construction efficiency of shield tunnelling through soft deposit in Tianjin, China. <i>Tunnelling and Underground Space Technology</i> , 2021, 112, 103917.	3.0	31

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37	Comprehensive environmental impact evaluation for concrete mixing station (CMS) based on improved TOPSIS method. <i>Sustainable Cities and Society</i> , 2021, 69, 102838.	5.1	22
38	Data on performance and variation index for shield tunnelling through soft deposit. <i>Data in Brief</i> , 2021, 36, 107103.	0.5	8
39	Truncated hierarchical B-spline material point method for large deformation geotechnical problems. <i>Computers and Geotechnics</i> , 2021, 134, 104097.	2.3	12
40	Earthquake effects on civil engineering structures and perspective mitigation solutions: a review. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	11
41	Estimating unconfined compressive strength of unsaturated cemented soils using alternative evolutionary approaches. <i>Transportation Geotechnics</i> , 2021, 29, 100591.	2.0	27
42	Method for calculating cyclic load induced 1D and PVD unit cell consolidation deformations. <i>Computers and Geotechnics</i> , 2021, 136, 104243.	2.3	4
43	SChina20: A Stable Geodetic Reference Frame for Ground Movement and Structural Deformation Monitoring in South China. <i>Journal of Surveying Engineering</i> , - ASCE, 2021, 147, .	1.0	9
44	Non-linear spring model for backfill grout-consolidation behind shield tunnel lining. <i>Computers and Geotechnics</i> , 2021, 136, 104235.	2.3	16
45	Artificial neural network optimized by differential evolution for predicting diameters of jet grouted columns. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 1500-1512.	3.7	38
46	Modelling the performance of EPB shield tunnelling using machine and deep learning algorithms. <i>Geoscience Frontiers</i> , 2021, 12, 101177.	4.3	59
47	Modelling unsaturated soil-structure interfacial behavior by using DEM. <i>Computers and Geotechnics</i> , 2021, 137, 104305.	2.3	14
48	Numerical evaluation of the ground response induced by dewatering in a multi-aquifer system. <i>Geoscience Frontiers</i> , 2021, 12, 101209.	4.3	24
49	Investigation of Time-Dependent Characteristics of EPDM Rubber Gasket Used for Shield Tunnels. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	6
50	Measurement and prediction of tunnelling-induced ground settlement in karst region by using expanding deep learning method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 183, 109700.	2.5	51
51	Ensemble model for risk status evaluation of excavation. <i>Automation in Construction</i> , 2021, 132, 103943.	4.8	14
52	Method for a new risk assessment of urban water quality: IFN-SPA. <i>MethodsX</i> , 2021, 8, 101237.	0.7	8
53	A multi-objective optimization algorithm for forecasting the compressive strength of RAC with pozzolanic materials. <i>Journal of Cleaner Production</i> , 2021, 327, 129355.	4.6	19
54	Variation of hydro-environment during past four decades with underground sponge city planning to control flash floods in Wuhan, China: An overview. <i>Underground Space (China)</i> , 2020, 5, 184-198.	3.4	39

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55	Data in risk assessment of mega-city infrastructures related to land subsidence using improved trapezoidal FAHP. Data in Brief, 2020, 28, 105007.	0.5	4
56	Risk Assessment Using a New Consulting Process in Fuzzy AHP. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	180
57	Evaluation of soil liquefaction using AI technology incorporating a coupled ENN / t-SNE model. Soil Dynamics and Earthquake Engineering, 2020, 130, 105988.	1.9	77
58	Estimation of Bearing Capacity of Piles in Cohesionless Soil Using Optimised Machine Learning Approaches. Geotechnical and Geological Engineering, 2020, 38, 2271-2291.	0.8	70
59	Risk assessment of mega-city infrastructures related to land subsidence using improved trapezoidal FAHP. Science of the Total Environment, 2020, 717, 135310.	3.9	124
60	Approach based on TOPSIS and Monte Carlo simulation methods to evaluate lake eutrophication levels. Water Research, 2020, 187, 116437.	5.3	82
61	Distribution characteristics and utilization of shallow geothermal energy in China. Energy and Buildings, 2020, 229, 110479.	3.1	40
62	Experimental data of water swelling characteristics of polymer materials for tunnel sealing gasket. Data in Brief, 2020, 31, 106021.	0.5	3
63	Data on evolutionary hybrid neural network approach to predict shield tunneling-induced ground settlements. Data in Brief, 2020, 33, 106432.	0.5	5
64	Influence of different strain rates on hydro-mechanical behaviour of reconstituted unsaturated soil. Acta Geotechnica, 2020, 15, 3415-3431.	2.9	9
65	Investigation on inspection scheduling for the maintenance of tunnel with different degradation modes. Tunnelling and Underground Space Technology, 2020, 106, 103589.	3.0	29
66	Evolutionary hybrid neural network approach to predict shield tunneling-induced ground settlements. Tunnelling and Underground Space Technology, 2020, 106, 103594.	3.0	77
67	Data in intelligent approach for estimation of disc cutter life using hybrid metaheuristic algorithm. Data in Brief, 2020, 33, 106479.	0.5	4
68	A novel method to calculate pressure on the twin-tunnel in layered strata. MethodsX, 2020, 7, 101126.	0.7	2
69	Dynamic brittle fracture with eigenerosion enhanced material point method. International Journal for Numerical Methods in Engineering, 2020, 121, 3768-3794.	1.5	17
70	Risk Assessment of Earthquake-Triggered Geohazards Surrounding Wenchuan, China. Natural Hazards Review, 2020, 21, .	0.8	44
71	A micro-mechanical model for unsaturated soils based on DEM. Computer Methods in Applied Mechanics and Engineering, 2020, 368, 113183.	3.4	36
72	Experimental Evaluation of Aging Characteristics of EPDM as a Sealant for Undersea Shield Tunnels. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	32

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73	Calculation of pressure on the shallow-buried twin-tunnel in layered strata. <i>Tunnelling and Underground Space Technology</i> , 2020, 103, 103465.	3.0	43
74	Excess pore water pressure caused by the installation of jet grouting columns in clay. <i>Computers and Geotechnics</i> , 2020, 125, 103667.	2.3	63
75	Lessons Learnt from Bridge Collapse: A View of Sustainable Management. <i>Sustainability</i> , 2020, 12, 1205.	1.6	35
76	A deep-learning method for evaluating shaft resistance of the cast-in-site pile on reclaimed ground using field data. <i>Journal of Zhejiang University: Science A</i> , 2020, 21, 496-508.	1.3	8
77	Prediction Model of Shield Performance During Tunneling via Incorporating Improved Particle Swarm Optimization Into ANFIS. <i>IEEE Access</i> , 2020, 8, 39659-39671.	2.6	92
78	Inundation risk assessment of metro system using AHP and TFN-AHP in Shenzhen. <i>Sustainable Cities and Society</i> , 2020, 56, 102103.	5.1	194
79	Sustainable development and environmental restoration in Lake Erhai, China. <i>Journal of Cleaner Production</i> , 2020, 258, 120758.	4.6	61
80	Data on a coupled ENN / t-SNE model for soil liquefaction evaluation. <i>Data in Brief</i> , 2020, 29, 105125.	0.5	4
81	Geological environment problems during metro shield tunnelling in Shenzhen, China. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	20
82	Analyses of leakage effect of waterproof curtain during excavation dewatering. <i>Journal of Hydrology</i> , 2020, 583, 124582.	2.3	96
83	Behaviour of a PVD unit cell under vacuum pressure and a new method for consolidation analysis. <i>Computers and Geotechnics</i> , 2020, 120, 103415.	2.3	50
84	Three-dimensional numerical modelling on localised leakage in segmental lining of shield tunnels. <i>Computers and Geotechnics</i> , 2020, 122, 103549.	2.3	137
85	Laboratory data on long-term sealing behaviors of two water-swelling materials for shield tunnel gasket. <i>Data in Brief</i> , 2020, 30, 105609.	0.5	2
86	A three-dimensional fluid-solid coupled numerical modeling of the barrier leakage below the excavation surface due to dewatering. <i>Hydrogeology Journal</i> , 2020, 28, 1449-1463.	0.9	60
87	Real-Time Dynamic Earth-Pressure Regulation Model for Shield Tunneling by Integrating GRU Deep Learning Method With GA Optimization. <i>IEEE Access</i> , 2020, 8, 64310-64323.	2.6	52
88	Laboratory evaluation of long-term sealing behaviors of two water-swelling materials for shield tunnel gasket. <i>Construction and Building Materials</i> , 2020, 249, 118711.	3.2	23
89	Experimental investigation of water-swelling characteristics of polymer materials for tunnel sealing gasket. <i>Construction and Building Materials</i> , 2020, 256, 119473.	3.2	17
90	Experimental Evaluation of Strut-and-Tie Model of Anchorage Zone in Posttensioned Concrete Structures. <i>Journal of Testing and Evaluation</i> , 2020, 48, 20180883.	0.4	1

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91	Detection and Monitoring of Tunneling-Induced Riverbed Deformation Using GPS and BeiDou: A Case Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2759.	1.3	20
92	Flood risk assessment of metro systems in a subsiding environment using the interval FAHP-FCA approach. <i>Sustainable Cities and Society</i> , 2019, 50, 101682.	5.1	107
93	Evaluation of optimized depth of waterproof curtain to mitigate negative impacts during dewatering. <i>Journal of Hydrology</i> , 2019, 577, 123969.	2.3	75
94	Foundation Pit Collapse on 8 June 2019 in Nanning, China: A Brief Report. <i>Safety</i> , 2019, 5, 68.	0.9	13
95	Environmentally sustainable groundwater control during dewatering with barriers: A case study in Shanghai. <i>Underground Space (China)</i> , 2019, , .	3.4	1
96	Investigation on Performance of Neural Networks Using Quadratic Relative Error Cost Function. <i>IEEE Access</i> , 2019, 7, 106642-106652.	2.6	49
97	Land Subsidence Control Zone and Policy for the Environmental Protection of Shanghai. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2729.	1.2	25
98	A Brief Report of Pingdi Landslide (23 July 2019) in Guizhou Province, China. <i>Geosciences (Switzerland)</i> , 2019, 9, 368.	1.0	8
99	New Policy and Implementation of Municipal Solid Waste Classification in Shanghai, China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3099.	1.2	65
100	Analysis of Production Safety in the Construction Industry of China in 2018. <i>Sustainability</i> , 2019, 11, 4537.	1.6	25
101	Data in flood risk assessment of metro systems in a subsiding environment using the interval FAHP-FCA approach. <i>Data in Brief</i> , 2019, 26, 104468.	0.5	15
102	Current Activity of the Long Point Fault in Houston, Texas Constrained by Continuous GPS Measurements (2013-2018). <i>Remote Sensing</i> , 2019, 11, 1213.	1.8	16
103	Experimental investigation on the blocking of groundwater seepage from a waterproof curtain during pumped dewatering in an excavation. <i>Hydrogeology Journal</i> , 2019, 27, 2659-2672.	0.9	85
104	Numerical simulation of spudcan-soil interaction using an improved smoothed particle hydrodynamics (SPH) method. <i>Marine Structures</i> , 2019, 66, 213-226.	1.6	11
105	A brief report on the March 21, 2019 explosions at a chemical factory in Xiangshui, China. <i>Process Safety Progress</i> , 2019, 38, e12060.	0.4	31
106	Dewatering-Induced Building Settlement around a Deep Excavation in Soft Deposit in Tianjin, China. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	1.5	112
107	Enhancing discharge of spoil to mitigate disturbance induced by horizontal jet grouting in clayey soil: Theoretical model and application. <i>Computers and Geotechnics</i> , 2019, 111, 222-228.	2.3	103
108	Optimization of EPB Shield Performance with Adaptive Neuro-Fuzzy Inference System and Genetic Algorithm. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 780.	1.3	80

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109	Investigation of Landslides that Occurred in August on the Chengdu-Kunming Railway, Sichuan, China. <i>Geosciences (Switzerland)</i> , 2019, 9, 497.	1.0	9
110	Strength of sandy and clayey soils cemented with single and double fluid jet grouting. <i>Soils and Foundations</i> , 2019, 59, 942-954.	1.3	22
111	Inundation analysis of metro systems with the storm water management model incorporated into a geographical information system: a case study in Shanghai. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4293-4307.	1.9	98
112	Perspectives for flood risk assessment and management for mega-city metro system. <i>Tunnelling and Underground Space Technology</i> , 2019, 84, 31-44.	3.0	207
113	Evaluation of foam conditioning effect on groundwater inflow at tunnel cutting face. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019, 43, 463-481.	1.7	53
114	Investigation of the geological and hydrogeological environment with relation to metro system construction in Jinan, China. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 1005-1024.	1.6	20
115	Investigation of a large ground collapse and countermeasures during mountain tunnelling in Hangzhou: a case study. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 991-1003.	1.6	25
116	Effect of initial water content and pore water chemistry on intrinsic compression behavior. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 417-423.	1.2	16
117	The use of tunnelling parameters and spoil characteristics to assess soil types: a case study from alluvial deposits at a pipejacking project site. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 2933-2942.	1.6	43
118	Flood risk assessment in metro systems of mega-cities using a GIS-based modeling approach. <i>Science of the Total Environment</i> , 2018, 626, 1012-1025.	3.9	287
119	Durability against wetting-drying cycles for cement-stabilized reclaimed asphalt pavement blended with crushed rock. <i>Soils and Foundations</i> , 2018, 58, 333-343.	1.3	26
120	Cutter-disc consumption during earth pressure balance tunnelling in mixed strata. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2018, 171, 363-376.	0.9	47
121	NChina16: A stable geodetic reference frame for geological hazard studies in North China. <i>Journal of Geodynamics</i> , 2018, 115, 10-22.	0.7	20
122	Predicting Swelling Behavior of a Na ⁺ -Bentonite Used in GCLs. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2018, 4, 1.	0.9	12
123	Tunneling induced geohazards in mylonitic rock faults with rich groundwater: A case study in Guangzhou. <i>Tunnelling and Underground Space Technology</i> , 2018, 74, 262-272.	3.0	76
124	Soil-tunnel interaction modelling for shield tunnels considering shearing dislocation in longitudinal joints. <i>Tunnelling and Underground Space Technology</i> , 2018, 78, 168-177.	3.0	155
125	Analysis of disc cutter failure in shield tunnelling using 3D circular cutting theory. <i>Engineering Failure Analysis</i> , 2018, 90, 23-35.	1.8	46
126	Recycled concrete aggregate/municipal glass blends as a low-carbon resource material for footpaths. <i>Road Materials and Pavement Design</i> , 2018, 19, 727-740.	2.0	21

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127	Low friction coefficient (approximately $\tan 1^\circ$) of subaqueous debris flow in rotating flume tests and its mechanism. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 931-939.	1.6	4
128	Optimization techniques for identifying soil parameters in geotechnical engineering: Comparative study and enhancement. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2018, 42, 70-94.	1.7	216
129	Analytical approach for time-dependent groundwater inflow into shield tunnel face in confined aquifer. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2018, 42, 655-673.	1.7	94
130	Predicting the performance of embankments on PVD-improved subsoils. <i>Computers and Geotechnics</i> , 2018, 93, 222-231.	2.3	52
131	Evaluation of ground loss ratio with moving trajectories induced in double-O-tube (DOT) tunnelling. <i>Canadian Geotechnical Journal</i> , 2018, 55, 894-902.	1.4	75
132	Millimeter-Accuracy Structural Deformation Monitoring Using Stand-Alone GPS: Case Study in Beijing, China. <i>Journal of Surveying Engineering, - ASCE</i> , 2018, 144, .	1.0	19
133	Recent Advances in Horizontal Jet Grouting (HJG): An Overview. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 1543-1560.	1.7	40
134	High calcium fly ash geopolymer stabilized lateritic soil and granulated blast furnace slag blends as a pavement base material. <i>Journal of Hazardous Materials</i> , 2018, 341, 257-267.	6.5	215
135	Investigation into performance of deep excavation in sand covered karst: A case report. <i>Soils and Foundations</i> , 2018, 58, 1042-1058.	1.3	49
136	Discussion: Cutter-disc consumption during earth pressure balance tunnelling in mixed strata. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2018, 171, 559-561.	0.9	3
137	Assessment of Social-Economic Risk of Chinese Dual Land Use System Using Fuzzy AHP. <i>Sustainability</i> , 2018, 10, 2451.	1.6	26
138	Material properties of the seal gasket for shield tunnels: A review. <i>Construction and Building Materials</i> , 2018, 191, 877-890.	3.2	43
139	Geological and hydrogeological environment with geohazards during underground construction in Hangzhou: a review. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	26
140	Investigation of Ground Displacement Induced by Hydraulic Jetting Using Smoothed Particle Hydrodynamics. , 2018, , 68-75.		0
141	Geological and hydrogeological environment in Tianjin with potential geohazards and groundwater control during excavation. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	57
142	Simple Method to Predict Ground Displacements Caused by Installing Horizontal Jet-Grouting Columns. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-11.	0.6	42
143	Design of sponge city: Lessons learnt from an ancient drainage system in Ganzhou, China. <i>Journal of Hydrology</i> , 2018, 563, 900-908.	2.3	92
144	Hydraulic Properties of Polymerized Bentonites. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	1.3	15

#	ARTICLE	IF	CITATIONS
145	Investigation on fatal accidents in Chinese construction industry between 2004 and 2016. <i>Natural Hazards</i> , 2018, 94, 655-670.	1.6	14
146	Prediction of Ground Deformation during Pipe-Jacking Considering Multiple Factors. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1051.	1.3	30
147	Assessment of Geohazards and Preventative Countermeasures Using AHP Incorporated with GIS in Lanzhou, China. <i>Sustainability</i> , 2018, 10, 304.	1.6	109
148	Prediction Model of TBM Disc Cutter Wear During Tunnelling in Heterogeneous Ground. <i>Rock Mechanics and Rock Engineering</i> , 2018, 51, 3599-3611.	2.6	94
149	Prediction of lateral continuous wear of cutter ring in soft ground with quartz sand. <i>Computers and Geotechnics</i> , 2018, 103, 86-92.	2.3	24
150	Mechanism of tunneling-induced cave-in of a busy road in Fukuoka city, Japan. <i>Underground Space (China)</i> , 2018, 3, 140-149.	3.4	14
151	Investigation of Collapsed Building Incidents on Soft Marine Deposit: Both from Social and Technical Perspectives. <i>Land</i> , 2018, 7, 20.	1.2	16
152	Soil Characterisation Based on Pipejacking Parameters and Spoil Characteristics. <i>Springer Series in Geomechanics and Geoengineering</i> , 2018, , 910-914.	0.0	0
153	Modeling of Permeation and Fracturing Grouting in Sand: Laboratory Investigations. <i>Journal of Testing and Evaluation</i> , 2018, 46, 2067-2082.	0.4	37
154	Cutter Ring Breakage Induced by Unbalanced Side Force in Circular Cutting Process. , 2018, , 674-681.		0
155	Scenario-Based Inundation Analysis of Metro System in Urban Area of Shanghai. , 2018, , 15-22.		2
156	Numerical and sensitivity analysis of Bearing Reinforcement Earth (BRE) wall. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 195-208.	0.9	4
157	Centrifuge evaluation of the influential factors in the uplift capacity of suction foundations in clay. <i>Marine Georesources and Geotechnology</i> , 2017, 35, 456-465.	1.2	10
158	Investigation of hydraulic parameters of a weathered mylonite fault from field pumping tests: A case study. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 1431-1448.	1.6	16
159	Estimation of lateral displacement induced by jet grouting in clayey soils. <i>Geotechnique</i> , 2017, 67, 621-630.	2.2	197
160	Investigation and improvement of strut-and-tie model for design of end anchorage zone in post-tensioned concrete structure. <i>Construction and Building Materials</i> , 2017, 136, 482-494.	3.2	18
161	Platform collapse incident of a power plant in Jiangxi, China. <i>Natural Hazards</i> , 2017, 87, 1259-1265.	1.6	14
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