

Bin Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5126006/publications.pdf>

Version: 2024-02-01

176
papers

8,742
citations

43973

48
h-index

53109

85
g-index

178
all docs

178
docs citations

178
times ranked

3804
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic soil desiccation crack recognition using deep learning. <i>Geotechnique</i> , 2022, 72, 337-349.	2.2	30
2	Toward establishing a multiparameter approach for monitoring pipeline geohazards via accompanying telecommunications dark fiber. <i>Optical Fiber Technology</i> , 2022, 68, 102765.	1.4	4
3	Numerical Simulation of Desiccation Cracking in Clayey Soil Using a Multifield Coupling Discrete-Element Model. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	1.5	15
4	Investigation on desiccation cracking behavior of clayey soils with a perspective of fracture mechanics: a review. <i>Journal of Soils and Sediments</i> , 2022, 22, 859-888.	1.5	24
5	Desiccation-induced curling of mud layers: Field observations and experimental insights. <i>Engineering Geology</i> , 2022, 296, 106458.	2.9	4
6	Could fiber strains affect DAS amplitude response?. Measurement: <i>Journal of the International Measurement Confederation</i> , 2022, 189, 110428.	2.5	4
7	Soil micro-penetration resistance as an index of its infiltration processes during rainfall. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 1580-1587.	3.7	5
8	Automatic soil crack recognition under uneven illumination condition with the application of artificial intelligence. <i>Engineering Geology</i> , 2022, 296, 106495.	2.9	21
9	Complex Deformation Monitoring of Shield Tunnel Segment Joints Using Distributed Fiber Optic Sensing Technology: Experimental Verification. <i>IEEE Sensors Journal</i> , 2022, 22, 3236-3245.	2.4	1
10	Modeling of Drying-Induced Soil Curling Phenomenon. <i>Water Resources Research</i> , 2022, 58, .	1.7	6
11	Development and Application of Fiber-Optic Sensing Technology for Monitoring Soil Moisture Field. <i>Frontiers in Sensors</i> , 2022, 2, .	1.7	2
12	Desiccation cracking of soil subjected to different environmental relative humidity conditions. <i>Engineering Geology</i> , 2022, 297, 106536.	2.9	16
13	Estimation of land subsidence potential via distributed fiber optic sensing. <i>Engineering Geology</i> , 2022, 298, 106540.	2.9	5
14	Quantifying the spatio-temporal variability of total water content in seasonally frozen soil using actively heated fiber Bragg grating sensing. <i>Journal of Hydrology</i> , 2022, 606, 127386.	2.3	6
15	Forecasting reservoir-induced landslide deformation using genetic algorithm enhanced multivariate Taylor series Kalman filter. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.	1.6	6
16	Evaluating three measurement methods of soil ground heat flux based on actively heated distributed temperature sensing technology. <i>Engineering Geology</i> , 2022, 303, 106649.	2.9	3
17	Performance monitoring of a curved shield tunnel during adjacent excavations using a fiber optic nervous sensing system. <i>Tunnelling and Underground Space Technology</i> , 2022, 124, 104483.	3.0	26
18	Effects of compaction state on desiccation cracking behaviour of a clayey soil subjected to wetting-drying cycles. <i>Engineering Geology</i> , 2022, 302, 106650.	2.9	34

#	ARTICLE	IF	CITATIONS
19	Investigating Soil Desiccation Cracking Using an Infrared Thermal Imaging Technique. <i>Water Resources Research</i> , 2022, 58, .	1.7	9
20	Negative Pore Water Pressure in Aquitard Enhances Land Subsidence: Field, Laboratory, and Numerical Evidence. <i>Water Resources Research</i> , 2022, 58, .	1.7	10
21	Effects of biochar particle size and dosage on the desiccation cracking behavior of a silty clay. <i>Science of the Total Environment</i> , 2022, 837, 155788.	3.9	13
22	Subsurface Multi-Physical Monitoring of a Reservoir Landslide With the Fiber-Optic Nerve System. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	45
23	Experimental investigation on pipe-soil interaction due to ground subsidence via high-resolution fiber optic sensing. <i>Tunnelling and Underground Space Technology</i> , 2022, 127, 104586.	3.0	17
24	Experimental study on uplift behavior of shallow anchor plates in geogrid-reinforced soil. <i>Geotextiles and Geomembranes</i> , 2022, 50, 994-1003.	2.3	13
25	PSO-SVM-based deep displacement prediction of Majiagou landslide considering the deformation hysteresis effect. <i>Landslides</i> , 2021, 18, 179-193.	2.7	63
26	Prediction of landslide sharp increase displacement by SVM with considering hysteresis of groundwater change. <i>Engineering Geology</i> , 2021, 280, 105876.	2.9	68
27	Discrete element modelling of desiccation cracking in thin clay layer under different basal boundary conditions. <i>Computers and Geotechnics</i> , 2021, 130, 103931.	2.3	22
28	Water infiltration in a cracked soil considering effect of drying-wetting cycles. <i>Journal of Hydrology</i> , 2021, 593, 125640.	2.3	53
29	Pipeline leakage monitoring experiments based on evaporation-enhanced FBG temperature sensing technology. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2691.	1.9	11
30	DFOS Applications to Geo-Engineering Monitoring. <i>Photonic Sensors</i> , 2021, 11, 158-186.	2.5	30
31	Effect of sand grain size and boundary condition on the swelling behavior of bentonite-sand mixtures. <i>Acta Geotechnica</i> , 2021, 16, 2759-2773.	2.9	9
32	Microanchored borehole fiber optics allows strain profiling of the shallow subsurface. <i>Scientific Reports</i> , 2021, 11, 9173.	1.6	15
33	Desiccation cracking of soils: A review of investigation approaches, underlying mechanisms, and influencing factors. <i>Earth-Science Reviews</i> , 2021, 216, 103586.	4.0	124
34	Fiber-optic wireless sensor network using ultra-weak fiber Bragg gratings for vertical subsurface deformation monitoring. <i>Natural Hazards</i> , 2021, 109, 2557-2573.	1.6	19
35	Strain transfer mechanism in surface-bonded distributed fiber-optic sensors subjected to linear strain gradients: Theoretical modeling and experimental validation. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 179, 109510.	2.5	19
36	Feasibility study on ice content measurement of frozen soil using actively heated FBG sensors. <i>Cold Regions Science and Technology</i> , 2021, 189, 103332.	1.6	23

#	ARTICLE	IF	CITATIONS
37	Potential Drought Mitigation Through Microbial Induced Calcite Precipitationâ€MICP. Water Resources Research, 2021, 57, e2020WR029434.	1.7	28
38	Experimental Research on Strain Transfer Behavior of Fiber-Optic Cable Embedded in Soil Using Distributed Strain Sensing. International Journal of Geomechanics, 2021, 21, .	1.3	9
39	Bio-mediated method for improving surface erosion resistance of clayey soils. Engineering Geology, 2021, 293, 106295.	2.9	33
40	Impact of biochar on the desiccation cracking behavior of silty clay and its mechanisms. Science of the Total Environment, 2021, 794, 148608.	3.9	20
41	In-situ soil dry density estimation using actively heated fiber-optic FBG method. Measurement: Journal of the International Measurement Confederation, 2021, 185, 110037.	2.5	8
42	Quasi-distributed fiber-optic in-situ monitoring technology for large-scale measurement of soil water content and its application. Engineering Geology, 2021, 294, 106373.	2.9	16
43	Tensile behavior of bio-cemented, fiber-reinforced calcareous sand from coastal zone. Engineering Geology, 2021, 294, 106390.	2.9	23
44	Application of microbial induced carbonate precipitation for loess surface erosion control. Engineering Geology, 2021, 294, 106387.	2.9	38
45	Error analysis and experimental research of joint fiber-optic displacement sensor based on shear lag model. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110106.	2.5	5
46	Performance evaluation of buried pipe under loading using fiber Bragg grating and particle image velocimetry techniques. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110086.	2.5	21
47	Evaluation of land subsidence potential by linking subsurface deformation to microstructure characteristics in Suzhou, China. Bulletin of Engineering Geology and the Environment, 2021, 80, 2587-2600.	1.6	6
48	Fiber Optic Monitoring and Forecasting of Reservoir Landslides. Lecture Notes in Civil Engineering, 2021, , 1-13.	0.3	0
49	A Dual-Probe Heat Pulse Approach using Heated Fiber-Optic Temperature Sensing. IOP Conference Series: Earth and Environmental Science, 2021, 861, 022070.	0.2	1
50	Distributed acoustic sensing (DAS) for geomechanics characterization: A concise review. IOP Conference Series: Earth and Environmental Science, 2021, 861, 042033.	0.2	2
51	Quantifying progressive failure of micro-anchored fiber optic cableâ€sand interface via high-resolution distributed strain sensing. Canadian Geotechnical Journal, 2020, 57, 871-881.	1.4	28
52	Bio-remediation of desiccation cracking in clayey soils through microbially induced calcite precipitation (MICP). Engineering Geology, 2020, 264, 105389.	2.9	149
53	Effects of microstructure on desiccation cracking of a compacted soil. Engineering Geology, 2020, 265, 105418.	2.9	86
54	Application of electrical resistivity method in the characterization of 2D desiccation cracking process of clayey soil. Engineering Geology, 2020, 265, 105416.	2.9	37

#	ARTICLE	IF	CITATIONS
55	Quantification and characterizing of soil microstructure features by image processing technique. <i>Computers and Geotechnics</i> , 2020, 128, 103817.	2.3	30
56	Actively heated fiber optics based thermal response test: A field demonstration. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110336.	8.2	36
57	Influence of fiber-optic cable structure, sand density, and acoustic frequency on DAS amplitude response: Preliminary results. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 570, 062031.	0.2	1
58	DFOS-based association rules analysis on the multi-fields information of Majiagou landslide. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 570, 042023.	0.2	0
59	Tensile behavior of clayey soils during desiccation cracking process. <i>Engineering Geology</i> , 2020, 279, 105909.	2.9	20
60	Kinematics, triggers and mechanism of Majiagou landslide based on FBG real-time monitoring. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	26
61	Drought-induced Soil Desiccation Cracking Behavior With Consideration of Basal Friction and Layer Thickness. <i>Water Resources Research</i> , 2020, 56, e2019WR026948.	1.7	60
62	Drying-induced soil shrinkage and desiccation cracking monitoring with distributed optical fiber sensing technique. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 3959-3970.	1.6	17
63	Laboratory characterization of sandy soil water content during drying process using electrical resistivity/resistance method (ERM). <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 4411-4427.	1.6	7
64	Effects of wetting-drying cycles and desiccation cracks on mechanical behavior of an unsaturated soil. <i>Catena</i> , 2020, 194, 104721.	2.2	66
65	Toward Distributed Fiber-Optic Sensing of Subsurface Deformation: A Theoretical Quantification of Ground-Borehole-Cable Interaction. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018878.	1.4	30
66	A machine learning method for inclinometer lateral deflection calculation based on distributed strain sensing technology. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 3383-3401.	1.6	24
67	Study on calibration model of soil water content based on actively heated fiber-optic FBG method in the in-situ test. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 165, 108176.	2.5	18
68	Land subsidence monitoring in sinking coastal areas using distributed fiber optic sensing: a case study. <i>Natural Hazards</i> , 2020, 103, 3043-3061.	1.6	15
69	Effect of biochar on desiccation cracking characteristics of clayey soils. <i>Geoderma</i> , 2020, 364, 114182.	2.3	54
70	An experimental application of electrical resistivity/resistance method (ERM) to characterize the evaporation process of sandy soil. <i>Physics and Chemistry of the Earth</i> , 2020, 117, 102873.	1.2	2
71	Applicability of Microbial Calcification Method for Sandy-Slope Surface Erosion Control. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	102
72	Forecasting slope deformation field using correlated grey model updated with time correction factor and background value optimization. <i>Engineering Geology</i> , 2019, 260, 105215.	2.9	48

#	ARTICLE	IF	CITATIONS
73	Coupling effects of interfacial friction and layer thickness on soil desiccation cracking behavior. <i>Engineering Geology</i> , 2019, 260, 105220.	2.9	66
74	Analysis method for spatial movement of gravels in mixed soil during triaxial testing. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, , 1.	1.6	3
75	Characterization of Soil Moisture Distribution and Movement Under the Influence of Watering-dewatering Using AHFO and BOTDA Technologies. <i>Environmental and Engineering Geoscience</i> , 2019, 25, 189-202.	0.3	3
76	Experimental study of moisture evaporation process with different soil characteristics. <i>Japanese Geotechnical Society Special Publication</i> , 2019, 7, 78-83.	0.2	1
77	Strain distribution based geometric models for characterizing the deformation of a sliding zone. <i>Engineering Geology</i> , 2019, 263, 105300.	2.9	20
78	An Fiber Bragg Grating-Based Monitoring System for Slope Deformation Studies in Geotechnical Centrifuges. <i>Sensors</i> , 2019, 19, 1591.	2.1	11
79	Three-dimensional characterization of desiccation cracking behavior of compacted clayey soil using X-ray computed tomography. <i>Engineering Geology</i> , 2019, 255, 1-10.	2.9	79
80	Tensile strength of clayey soil and the strain analysis based on image processing techniques. <i>Engineering Geology</i> , 2019, 253, 137-148.	2.9	72
81	Distributed Fiber Optic Sensing of Land Deformation: Methods and Case Studies. , 2019, , .		0
82	Experimental simulation of boundary condition effects on bentonite swelling in HLW repositories. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	7
83	A field study on the application of distributed temperature sensing technology in thermal response tests for borehole heat exchangers. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 3901-3915.	1.6	19
84	Feasibility Study of Anchored Fiber-Optic Strain-Sensing Arrays for Monitoring Soil Deformation beneath Model Foundation. <i>Geotechnical Testing Journal</i> , 2019, 42, 20170321.	0.5	13
85	Investigation of land subsidence with the combination of distributed fiber optic sensing techniques and microstructure analysis of soils. <i>Engineering Geology</i> , 2018, 240, 34-47.	2.9	54
86	Investigation of the influence of soil moisture on thermal response tests using active distributed temperature sensing (Aâ€“DTS) technology. <i>Energy and Buildings</i> , 2018, 173, 239-251.	3.1	33
87	BOTDA based investigation on the effects of closure strips in bottom plate during the construction of navigation lock. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 117, 67-72.	2.5	2
88	A kinematic method for calculating shear displacements of landslides using distributed fiber optic strain measurements. <i>Engineering Geology</i> , 2018, 234, 83-96.	2.9	64
89	Effects of soil characteristics on moisture evaporation. <i>Engineering Geology</i> , 2018, 239, 126-135.	2.9	104
90	Nucleation and propagation mechanisms of soil desiccation cracks. <i>Engineering Geology</i> , 2018, 238, 27-35.	2.9	97

#	ARTICLE	IF	CITATIONS
91	An improved distributed sensing method for monitoring soil moisture profile using heated carbon fibers. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 123, 175-184.	2.5	36
92	Monitoring the behavior of segment joints in a shield tunnel using distributed fiber optic sensors. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2056.	1.9	60
93	A long term evaluation of circular mat foundations on clay deposits using fractional derivatives. <i>Computers and Geotechnics</i> , 2018, 94, 72-82.	2.3	10
94	Characterizing drying-induced clayey soil desiccation cracking process using electrical resistivity method. <i>Applied Clay Science</i> , 2018, 152, 101-112.	2.6	80
95	Vertically Distributed Sensing of Deformation Using Fiber Optic Sensing. <i>Geophysical Research Letters</i> , 2018, 45, 11,732.	1.5	53
96	A soil moisture estimation method using actively heated fiber Bragg grating sensors. <i>Engineering Geology</i> , 2018, 242, 142-149.	2.9	31
97	Quantifying Fiber-Optic Cable's Soil Interfacial Behavior Toward Distributed Monitoring of Land Subsidence. <i>Springer Series in Geomechanics and Geoengineering</i> , 2018, , 759-762.	0.0	1
98	Compression, swelling and rebound behavior of GMZ bentonite/additive mixture under coupled hydro-mechanical condition. <i>Engineering Geology</i> , 2017, 221, 50-60.	2.9	32
99	Model test of soil deformation response to draining-recharging conditions based on DFOS. <i>Engineering Geology</i> , 2017, 226, 107-121.	2.9	30
100	Internal strain monitoring for coal mining similarity model based on distributed fiber optical sensing. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 97, 234-241.	2.5	50
101	Prediction of one-dimensional compression behavior of Nansha clay using fractional derivatives. <i>Marine Georesources and Geotechnology</i> , 2017, 35, 688-697.	1.2	42
102	Integrated distributed fiber optic sensing technology-based structural monitoring of the pound lock. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1954.	1.9	19
103	Soil strain-field and stability analysis of cut slope based on optical fiber measurement. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 937-946.	1.6	19
104	Analysis of the strain process of soil slope model during infiltration using BOTDA. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 947-959.	1.6	16
105	FBG-Based Monitoring of Geohazards: Current Status and Trends. <i>Sensors</i> , 2017, 17, 452.	2.1	102
106	DFOS Technology-Based Landslide Monitoring: The Majiagou Landslide Case Study (China)., 2017, , 317-324.		0
107	Fractional calculus-based compression modeling of soft clay. <i>Japanese Geotechnical Society Special Publication</i> , 2016, 2, 417-420.	0.2	1
108	Internal Deformation Monitoring of Slope Based on BOTDR. <i>Journal of Sensors</i> , 2016, 2016, 1-8.	0.6	28

#	ARTICLE	IF	CITATIONS
109	Evaluation of Sulfate Resistance of Calcined Dolomite Activated Ground Granulated Blast Furnace Slag. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	13
110	Effect of wetting-drying cycles on soil desiccation cracking behaviour. <i>E3S Web of Conferences</i> , 2016, 9, 12003.	0.2	12
111	Effects of wetting“drying cycles on soil strength profile of a silty clay in micro-penetrometer tests. <i>Engineering Geology</i> , 2016, 206, 60-70.	2.9	71
112	Feasibility study of strain based stability evaluation of locally loaded slopes: Insights from physical and numerical modeling. <i>Engineering Geology</i> , 2016, 208, 39-50.	2.9	45
113	Development and application of a fixed-point fiber-optic sensing cable for ground fissure monitoring. <i>Journal of Civil Structural Health Monitoring</i> , 2016, 6, 715-724.	2.0	22
114	Role of the interface between distributed fibre optic strain sensor and soil in ground deformation measurement. <i>Scientific Reports</i> , 2016, 6, 36469.	1.6	42
115	Performance evaluation of two types of heated cables for distributed temperature sensing-based measurement of soil moisture content. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2016, 8, 212-217.	3.7	17
116	Investigation on the interfacial mechanical behavior of wave-shaped fiber reinforced soil by pullout test. <i>Geotextiles and Geomembranes</i> , 2016, 44, 872-883.	2.3	48
117	Studying the effect of drying on soil hydro-mechanical properties using micro-penetration method. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	12
118	Effect of wetting“drying cycles on profile mechanical behavior of soils with different initial conditions. <i>Catena</i> , 2016, 139, 105-116.	2.2	80
119	Computed tomography based numerical simulation for triaxial test of soil“rock mixture. <i>Computers and Geotechnics</i> , 2016, 73, 179-188.	2.3	50
120	Tensile Strength of Fiber-Reinforced Soil. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	147
121	Performance evaluation of soil-embedded plastic optical fiber sensors for geotechnical monitoring. <i>Smart Structures and Systems</i> , 2016, 17, 297-311.	1.9	7
122	Fatigue characteristics of distributed sensing cables under low cycle elongation. <i>Smart Structures and Systems</i> , 2016, 18, 1203-1215.	1.9	1
123	A field study on distributed fiber optic deformation monitoring of overlying strata during coal mining. <i>Journal of Civil Structural Health Monitoring</i> , 2015, 5, 553-562.	2.0	26
124	Closure to “Experimental Investigation of Pullout Behavior of Fiber-Reinforced Polymer Reinforcements in Sand“ by Cheng-Cheng Zhang, Hong-Hu Zhu, Bin Shi, Fang-Dong Wu, and Jian-Hua Yin. <i>Journal of Composites for Construction</i> , 2015, 19, 07015005.	1.7	0
125	Quantitative Evaluation of Optical Fiber/Soil Interfacial Behavior and Its Implications for Sensing Fiber Selection. <i>IEEE Sensors Journal</i> , 2015, 15, 3059-3067.	2.4	15
126	A quantitative monitoring technology for seepage in slopes using DTS. <i>Engineering Geology</i> , 2015, 186, 100-104.	2.9	33

#	ARTICLE	IF	CITATIONS
127	Experimental study on pullout performance of sensing optical fibers in compacted sand. Measurement: Journal of the International Measurement Confederation, 2015, 73, 284-294.	2.5	25
128	Incorporation of reactive magnesia and quicklime in sustainable binders for soil stabilisation. Engineering Geology, 2015, 195, 53-62.	2.9	44
129	A distributed measurement method for in-situ soil moisture content by using carbon-fiber heated cable. Journal of Rock Mechanics and Geotechnical Engineering, 2015, 7, 700-707.	3.7	38
130	Application of distributed fiber optic sensing technique in land subsidence monitoring. Journal of Civil Structural Health Monitoring, 2015, 5, 587-597.	2.0	36
131	Tensile Strength of Compacted Clayey Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	1.5	101
132	Experimental investigation of pavement behavior after embankment widening using a fiber optic sensor network. Structural Health Monitoring, 2015, 14, 46-56.	4.3	37
133	Experimental Investigation of Pullout Behavior of Fiber-Reinforced Polymer Reinforcements in Sand. Journal of Composites for Construction, 2015, 19, .	1.7	17
134	Investigation of the evolutionary process of a reinforced model slope using a fiber-optic monitoring network. Engineering Geology, 2015, 186, 34-43.	2.9	114
135	Time-dependent pullout behavior of glass fiber reinforced polymer (GFRP) soil nail in sand. Canadian Geotechnical Journal, 2015, 52, 671-681.	1.4	28
136	Fiber Bragg grating-based performance monitoring of a slope model subjected to seepage. Smart Materials and Structures, 2014, 23, 095027.	1.8	58
137	Interfacial characterization of soil-embedded optical fiber for ground deformation measurement. Smart Materials and Structures, 2014, 23, 095022.	1.8	38
138	Laboratory Studies on Slope Stability Monitoring Using Distributed Fiber-Optic Sensing Technologies. , 2014, , 625-629.		1
139	Evaluations of load-deformation behavior of soil nail using hyperbolic pullout model. Geomechanics and Engineering, 2014, 6, 277-292.	0.9	20
140	Effect of discrete fibre reinforcement on soil tensile strength. Journal of Rock Mechanics and Geotechnical Engineering, 2014, 6, 133-137.	3.7	133
141	Distributed acquisition, characterization and process analysis of multi-field information in slopes. Engineering Geology, 2014, 182, 49-62.	2.9	72
142	Modeling the pullout behavior of short fiber in reinforced soil. Geotextiles and Geomembranes, 2014, 42, 329-338.	2.3	50
143	Theoretical investigation of interaction between a rectangular plate and fractional viscoelastic foundation. Journal of Rock Mechanics and Geotechnical Engineering, 2014, 6, 373-379.	3.7	23
144	Activation of ground granulated blast furnace slag by using calcined dolomite. Construction and Building Materials, 2014, 68, 252-258.	3.2	45

#	ARTICLE	IF	CITATIONS
145	Mechanical and hydration properties of ground granulated blastfurnace slag pastes activated with MgO-CaO mixtures. <i>Construction and Building Materials</i> , 2014, 69, 101-108.	3.2	85
146	Distributed fiber optic monitoring and stability analysis of a model slope under surcharge loading. <i>Journal of Mountain Science</i> , 2014, 11, 979-989.	0.8	80
147	A study of the effect of temperature on the structural strength of a clayey soil using a micropenetrometer. <i>Bulletin of Engineering Geology and the Environment</i> , 2014, 73, 747-758.	1.6	34
148	Bending of a rectangular plate resting on a fractionalized Zener foundation. <i>Structural Engineering and Mechanics</i> , 2014, 52, 1069-1084.	1.0	9
149	Feasibility study on corrosion monitoring of a concrete column with central rebar using BOTDR. <i>Smart Structures and Systems</i> , 2014, 13, 41-53.	1.9	23
150	Experimental and numerical investigation of the effect of the urban heat island on slope stability. <i>Bulletin of Engineering Geology and the Environment</i> , 2013, 72, 303-310.	1.6	8
151	Automatic quantification of crack patterns by image processing. <i>Computers and Geosciences</i> , 2013, 57, 77-80.	2.0	207
152	Quantification and Characterization of Temperature Effect on Desiccation Crack Network in Soil. , 2013, , .		2
153	Effect of polyurethane on the stability of sand-clay mixtures. <i>Bulletin of Engineering Geology and the Environment</i> , 2012, 71, 537-544.	1.6	35
154	Desiccation cracking behavior of polypropylene fiber-reinforced clayey soil. <i>Canadian Geotechnical Journal</i> , 2012, 49, 1088-1101.	1.4	179
155	Settlement analysis of viscoelastic foundation under vertical line load using a fractional Kelvin-Voigt model. <i>Geomechanics and Engineering</i> , 2012, 4, 67-78.	0.9	46
156	Experimental characterization of shrinkage and desiccation cracking in thin clay layer. <i>Applied Clay Science</i> , 2011, 52, 69-77.	2.6	273
157	Quantification and characterization of microporosity by image processing, geometric measurement and statistical methods: Application on SEM images of clay materials. <i>Applied Clay Science</i> , 2011, 54, 97-106.	2.6	294
158	Desiccation and cracking behaviour of clay layer from slurry state under wetting-drying cycles. <i>Geoderma</i> , 2011, 166, 111-118.	2.3	261
159	Static liquefaction behavior of saturated fiber-reinforced sand in undrained ring-shear tests. <i>Geotextiles and Geomembranes</i> , 2011, 29, 462-471.	2.3	87
160	Research on the stabilization treatment of clay slope topsoil by organic polymer soil stabilizer. <i>Engineering Geology</i> , 2011, 117, 114-120.	2.9	140
161	Experimental Investigation of the Desiccation Cracking Behavior of Soil Layers during Drying. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 873-878.	1.3	105
162	Interfacial shear strength of fiber reinforced soil. <i>Geotextiles and Geomembranes</i> , 2010, 28, 54-62.	2.3	289

#	ARTICLE	IF	CITATIONS
163	Experiment evidence on the temperature dependence of desiccation cracking behavior of clayey soils. <i>Engineering Geology</i> , 2010, 114, 261-266.	2.9	232
164	Particle Extraction and Quantitative Analysis of Soil Microstructure from SEM Using Spatial Analyst Tools in ArcGIS. , 2009, , .		2
165	Test on application of distributed fiber optic sensing technique into soil slope monitoring. <i>Landslides</i> , 2009, 6, 61-68.	2.7	118
166	Improvement of water-stability of clay aggregates admixed with aqueous polymer soil stabilizers. <i>Catena</i> , 2009, 77, 175-179.	2.2	59
167	Influencing factors of geometrical structure of surface shrinkage cracks in clayey soils. <i>Engineering Geology</i> , 2008, 101, 204-217.	2.9	323
168	The strain field method for structural damage identification using Brillouin optical fiber sensing. <i>Smart Materials and Structures</i> , 2007, 16, 843-850.	1.8	30
169	Strength and mechanical behavior of short polypropylene fiber reinforced and cement stabilized clayey soil. <i>Geotextiles and Geomembranes</i> , 2007, 25, 194-202.	2.3	660
170	Effect of polypropylene fibre and lime admixture on engineering properties of clayey soil. <i>Engineering Geology</i> , 2006, 87, 230-240.	2.9	332
171	Monitoring the stress of the post-tensioning cable using fiber optic distributed strain sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2006, 39, 420-428.	2.5	38
172	Magnification effects on the interpretation of SEM images of expansive soils. <i>Engineering Geology</i> , 2005, 78, 89-94.	2.9	37
173	Interaction study of permafrost and highway along Qinghai-Xizang Highway. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 97-105.	0.9	40
174	A Feasibility Study on the Application of Fiber-Optic Distributed Sensors for Strain Measurement in the Taiwan Strait Tunnel Project. <i>Marine Georesources and Geotechnology</i> , 2003, 21, 333-343.	1.2	49
175	Orientation of aggregates of fine-grained soil: quantification and application. <i>Engineering Geology</i> , 1998, 50, 59-70.	2.9	35
176	Monitoring infiltration of capillary barrier with actively heated fibre Bragg gratings. <i>Environmental Geotechnics</i> , 0, , 1-16.	1.3	5