

Yang Xiao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

158
papers

3,690
citations

35
h-index

55
g-index

174
ext. papers

4,866
ext. citations

3.8
avg. IF

6.14
L-index

#	Paper	IF	Citations
158	A cholesterol benzoate RRS probe for the determination of trace ammonium ions.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 272, 120945	4.4	0
157	Rainfall-Induced Erosion of Biocemented Graded Slopes. <i>International Journal of Geomechanics</i> , 2022 , 22,	3.1	4
156	Selenium fertigation with nanobubbles influences soil selenium residual and plant performance by modulation of bacterial community. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127114	12.8	3
155	Emerging Roles of Sodium Glucose Cotransporter 2 (SGLT-2) Inhibitors in Diabetic Cardiovascular Diseases: Focusing on Immunity, Inflammation and Metabolism.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 836849	5.6	0
154	rs3806265 and rs4612666 of the Gene Are Associated With the Titer of Glutamic Acid Decarboxylase Antibody in Type 1 Diabetes.. <i>Frontiers in Endocrinology</i> , 2022 , 13, 835054	5.7	0
153	A new screening strategy and whole-exome sequencing for the early diagnosis of maturity-onset diabetes of the young. <i>Diabetes/Metabolism Research and Reviews</i> , 2021 , 37, e3381	7.5	2
152	The Positivity Rate of IA-2A and ZnT8A in the Chinese Han Population With Type 1 Diabetes Mellitus: Association With rs1143627 and rs1143643 Polymorphisms in the IL1B Gene. <i>Frontiers in Pharmacology</i> , 2021 , 12, 729890	5.6	0
151	Influencing factors of scale effects in large-scale direct shear tests of soil-rock mixtures based on particle breakage. <i>Transportation Geotechnics</i> , 2021 , 31, 100677	4	1
150	Dispersion of bacterial cells during microbially induced calcium carbonate precipitation in fracture sealing. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 861, 072108	0.3	
149	Crackling noise and bio-cementation. <i>Engineering Fracture Mechanics</i> , 2021 , 247, 107675	4.2	6
148	Effects of relative densities on particle breaking behaviour of non-uniform grading coral sand. <i>Powder Technology</i> , 2021 , 382, 524-531	5.2	6
147	Kinetic biomineralization through microfluidic chip tests. <i>Acta Geotechnica</i> , 2021 , 16, 3229-3237	4.9	6
146	Constitutive Modeling for Two Sands under High Pressure. <i>International Journal of Geomechanics</i> , 2021 , 21, 04021042	3.1	7
145	The polymorphism of the inflammasome-related gene is associated with glutamic-acid-decarboxylase-antibody positivity in patients with type 1 diabetes mellitus. <i>Annals of Translational Medicine</i> , 2021 , 9, 1131	3.2	
144	Associations Between Diabetes and Idiopathic Pulmonary Fibrosis: a Study-level Pooled Analysis of 26 Million People. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 3367-3380	5.6	0
143	Dynamic properties of polyurethane foam adhesive-reinforced gravels. <i>Science China Technological Sciences</i> , 2021 , 64, 535-547	3.5	5
142	Compression behavior of MICP-treated sand with various gradations. <i>Acta Geotechnica</i> , 2021 , 16, 1391-1400	4.0	15

141	Progressive Growth of Calcium Carbonate During Microbially-Induced Calcium Carbonate Precipitation from a Microscale Viewpoint. <i>Sustainable Civil Infrastructures</i> , 2021 , 74-81	0.2	
140	Explicit Integration and Implementation of State-Dependent Constitutive Model for Rockfill Materials. <i>Sustainable Civil Infrastructures</i> , 2021 , 78-93	0.2	1
139	Homogeneity and mechanical behaviors of sands improved by a temperature-controlled one-phase MICP method. <i>Acta Geotechnica</i> , 2021 , 16, 1417-1427	4.9	10
138	New Simple Breakage Index for Crushable Granular Soils. <i>International Journal of Geomechanics</i> , 2021 , 21, 04021136	3.1	7
137	The chemokine CCL1 triggers an AMFR-SPRY1 pathway that promotes differentiation of lung fibroblasts into myofibroblasts and drives pulmonary fibrosis. <i>Immunity</i> , 2021 , 54, 2042-2056.e8	32.3	4
136	Dissolution Hotspots in Fractures. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094118	4.9	4
135	Thermal Conductivity of Biocemented Graded Sands. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021 , 147, 04021106	3.4	9
134	Lateral Responses of a Model Pile in Biocemented Sand. <i>International Journal of Geomechanics</i> , 2021 , 21, 06021027	3.1	2
133	Testing and Modeling on Particle Breakage for Granular Soils. <i>International Journal of Geomechanics</i> , 2021 , 21, 02021001	3.1	0
132	Liquefaction Modeling for Biocemented Calcareous Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021 , 147, 04021149	3.4	8
131	Effect of magnetic field on calcium - silica fouling and interactions in brackish water distribution systems. <i>Science of the Total Environment</i> , 2021 , 798, 148900	10.2	4
130	Numerical Investigation on the Effect of Grain Crushing Process on Critical State on Rockfill Material. <i>Lecture Notes in Civil Engineering</i> , 2021 , 295-302	0.3	
129	Effects of Load Duration and Stress Level on Deformation and Particle Breakage of Carbonate Sands. <i>International Journal of Geomechanics</i> , 2020 , 20, 06020014	3.1	15
128	Detailed amount of particle breakage in multi-sized coral sands under impact loading. <i>European Journal of Environmental and Civil Engineering</i> , 2020 , 1-10	1.5	4
127	Investigation of thermal-induced damage in fractured rock mass by coupled FEM-DEM method. <i>Computational Geosciences</i> , 2020 , 24, 1833-1843	2.7	9
126	Strength-increase mechanism and microstructural characteristics of a biotreated geomaterial. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 599-608	2.5	2
125	Thermal Conductivity of Granular Soil Mixtures with Contrasting Particle Shapes. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 06020004	3.4	10
124	Exact Solutions for Nonlocal Steady Fully Developed Debris Flows Down Inclines. <i>Journal of Engineering Mechanics - ASCE</i> , 2020 , 146, 04020021	2.4	

123	Influence of Fiber Content and Length on Engineering Properties of MICP-Treated Coral Sand. <i>Geomicrobiology Journal</i> , 2020 , 37, 582-594	2.5	28
122	Closure to Effect of Particle Shape on Stress-Dilatancy Responses of Medium-Dense Sands By Yang Xiao, Leihang Long, T. Matthew Evans, Hai Zhou, Hanlong Liu, and Armin W. Stuedlein. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 07020007	3.4	
121	Gut microbial metabolites alter IgA immunity in type 1 diabetes. <i>JCI Insight</i> , 2020 , 5,	9.9	27
120	Thermal volume changes of saturated sand during loading-unloading-heating phase. <i>E3S Web of Conferences</i> , 2020 , 205, 08002	0.5	3
119	Grain crushing in geoscience materials Key issues on crushing response, measurement and modeling: Review and preface. <i>Geoscience Frontiers</i> , 2020 , 11, 363-374	6	25
118	Toe-Bearing Capacity of Precast Concrete Piles through Biogrouting Improvement. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 06020026	3.4	24
117	A stress-path-independent damage variable for concrete under multiaxial stress conditions. <i>International Journal of Solids and Structures</i> , 2020 , 206, 59-74	3.1	2
116	Emerging Roles of Exosomes in T1DM. <i>Frontiers in Immunology</i> , 2020 , 11, 593348	8.4	17
115	Closure to Unconfined Compressive and Splitting Tensile Strength of Basalt Fiber Reinforced Biocemented Sand By Yang Xiao, Xiang He, T. Matthew Evans, Armin W. Stuedlein, and Hanlong Liu. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 07020017	3.4	
114	Erratum for Acoustic Emission and Force Drop in Grain Crushing of Carbonate Sands By Yang Xiao, Lei Wang, Xiang Jiang, T. Matthew Evans, Armin W. Stuedlein, and Hanling Liu. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 08220002	3.4	
113	Altered Systemic and Intestinal IgA Immune Responses in Individuals With Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	1
112	Restraint of Particle Breakage by Biotreatment Method. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 04020123	3.4	54
111	Strength and Permeability of Bentonite-Assisted Biocemented Coarse Sand. <i>Canadian Geotechnical Journal</i> , 2020 ,	3.2	25
110	Effects of particle size on crushing and deformation behaviors of rockfill materials. <i>Geoscience Frontiers</i> , 2020 , 11, 375-388	6	59
109	Granular hyperelasticity with inherent and stress-induced anisotropy. <i>Acta Geotechnica</i> , 2020 , 15, 671-680	4.9	10
108	Bounding surface plasticity model for stress-strain and grain-crushing behaviors of rockfill materials. <i>Geoscience Frontiers</i> , 2020 , 11, 495-510	6	22
107	Detailed amount of particle breakage in nonuniformly graded sands under one-dimensional compression. <i>Canadian Geotechnical Journal</i> , 2020 , 57, 1239-1246	3.2	27
106	Effect of Particle Shape on Strength and Stiffness of Biocemented Glass Beads. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 06019016	3.4	62

105	Strength and Deformation Responses of Biocemented Sands Using a Temperature-Controlled Method. <i>International Journal of Geomechanics</i> , 2019 , 19, 04019120	3.1	40
104	Strength and Surviving Probability in Grain Crushing under Acidic Erosion and Compression. <i>International Journal of Geomechanics</i> , 2019 , 19, 04019123	3.1	18
103	Effect of relative density and biocementation on cyclic response of calcareous sand. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 1849-1862	3.2	76
102	Constitutive Modeling for Overconsolidated Clays Based on Disturbed State Concept. I: Theory. <i>International Journal of Geomechanics</i> , 2019 , 19, 04019101	3.1	14
101	Constitutive Modeling for Overconsolidated Clays Based on Disturbed State Concept. II: Validation. <i>International Journal of Geomechanics</i> , 2019 , 19, 04019102	3.1	10
100	Effect of particle shape of glass beads on the strength and deformation of cemented sands. <i>Acta Geotechnica</i> , 2019 , 14, 2123-2131	4.9	17
99	Seepage control in sand using bioslurry. <i>Construction and Building Materials</i> , 2019 , 212, 342-349	6.7	20
98	Particle breakage and energy dissipation of carbonate sands under quasi-static and dynamic compression. <i>Acta Geotechnica</i> , 2019 , 14, 1741-1755	4.9	52
97	Experimental Analysis of Sandstone Under Uniaxial Cyclic Loading Through Acoustic Emission Statistics. <i>Pure and Applied Geophysics</i> , 2019 , 176, 265-277	2.2	6
96	Study on Low-Strength Biocemented Sands Using a Temperature-Controlled MICP (Microbially Induced Calcite Precipitation) Method. <i>Sustainable Civil Infrastructures</i> , 2019 , 15-26	0.2	
95	Thermal Conductivity of Sand/Fire Shred Mixtures. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 06019012	3.4	15
94	Acoustic Emission and Force Drop in Grain Crushing of Carbonate Sands. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 04019057	3.4	30
93	Unconfined Compressive and Splitting Tensile Strength of Basalt Fiber Reinforced Biocemented Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 04019048	3.4	79
92	Size Effect on Mudstone Strength During Freezing-Thawing Cycle. <i>Environmental Geotechnics</i> , 2019 , 1-13	3.2	5
91	Change of crackling noise in granite by thermal damage: Monitoring nuclear waste deposits. <i>American Mineralogist</i> , 2019 , 104, 1578-1584	2.9	10
90	Avalanche mixing and the simultaneous collapse of two media under uniaxial stress. <i>Physical Review E</i> , 2019 , 99, 023002	2.4	9
89	Strength, stiffness, and microstructure characteristics of biocemented calcareous sand. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 1502-1513	3.2	66
88	Effect of Particle Shape on Stress-Dilatancy Responses of Medium-Dense Sands. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 04018105	3.4	124

87	Non-linear elastic model incorporating temperature effects. <i>Geotechnical Research</i> , 2018 , 5, 22-30	1.2	2
86	Application of transparent soil model test and DEM simulation in study of tunnel failure mechanism. <i>Tunnelling and Underground Space Technology</i> , 2018 , 74, 178-184	5.7	82
85	Liquefaction resistance of bio-cemented calcareous sand. <i>Soil Dynamics and Earthquake Engineering</i> , 2018 , 107, 9-19	3.5	145
84	Macro-mesoscopic Fracture and Strength Character of Pre-cracked Granite Under Stress Relaxation Condition. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 1401-1412	5.7	11
83	Determination of earth pressure balance tunnel-related maximum surface settlement: a multivariate adaptive regression splines approach. <i>Bulletin of Engineering Geology and the Environment</i> , 2018 , 77, 489-500	4	96
82	Biocementation of calcareous sand using soluble calcium derived from calcareous sand. <i>Bulletin of Engineering Geology and the Environment</i> , 2018 , 77, 1781-1791	4	50
81	Flexible Timbo-Like Triboelectric Nanogenerator as Self-Powered Force and Bend Sensor for Wireless and Distributed Landslide Monitoring. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800144	6.8	33
80	Fractal crushing of carbonate and quartz sands along the specimen height under impact loading. <i>Construction and Building Materials</i> , 2018 , 182, 188-199	6.7	30
79	Influence of Temperature on the Volume Change Behavior of Saturated Sand. <i>Geotechnical Testing Journal</i> , 2018 , 41, 20160308	1.3	16
78	Stress-Strain-Strength Response and Ductility of Gravels Improved by Polyurethane Foam Adhesive. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018 , 144, 04017108	3.4	45
77	Nonlinear regression model for peak-failure strength of rockfill materials in general stress space. <i>Geoscience Frontiers</i> , 2018 , 9, 1699-1709	6	6
76	Effects of temperature on the shear strength of saturated sand. <i>Soils and Foundations</i> , 2018 , 58, 1326-1338	3.9	12
75	Discussion of Influence of Particle Size and Gradation on the Stress-Dilatancy Behavior of Granular Materials during Drained Triaxial Compression by Samaneh Amirpour Harehdasht, Mourad Karray, Mahmoud N. Hussien, and Mohamed Chekired. <i>International Journal of Geomechanics</i> , 2018 , 18, 07018017	3.1	
74	Circulating adipocyte fatty acid-binding protein levels predict the development of subclinical atherosclerosis in type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2018 , 32, 1100-1104	3.2	5
73	Friction and Dilatancy Angles of Granular Soils Incorporating Effects of Shearing Modes. <i>International Journal of Geomechanics</i> , 2018 , 18, 06018027	3.1	10
72	Intermittent flow under constant forcing: Acoustic emission from creep avalanches. <i>Applied Physics Letters</i> , 2018 , 112, 054101	3.4	19
71	Gradation-Dependent Thermal Conductivity of Sands. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018 , 144, 06018010	3.4	32
70	Elastoplastic Constitutive Model for Rockfill Materials Considering Particle Breakage. <i>International Journal of Geomechanics</i> , 2017 , 17, 04016041	3.1	146

69	Seismic response of concrete-rockfill combination dam using large-scale shaking table tests. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 99, 9-19	3.5	7
68	Constitutive Modeling for Transparent Granular Soils. <i>International Journal of Geomechanics</i> , 2017 , 17, 04016150	3.1	44
67	Model predictions for behaviors of sand-nonplastic-fines mixtures using equivalent-skeleton void-ratio state index. <i>Science China Technological Sciences</i> , 2017 , 60, 878-892	3.5	19
66	Fractional order plasticity model for granular soils subjected to monotonic triaxial compression. <i>International Journal of Solids and Structures</i> , 2017 , 118-119, 224-234	3.1	41
65	Closure to Transitional Behaviors in Well-Graded Coarse Granular Soils by Yang Xiao, M. R. Coop, Hong Liu, Hanlong Liu, and Jingshan Jiang. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017 , 143, 07017033	3.4	
64	Development and application of state-dependent fractional plasticity in modeling the non-associated behavior of granular aggregates. <i>Acta Mechanica Solida Sinica</i> , 2017 , 30, 507-519	2	6
63	Experimental Investigation on the Movement of Soil and Piles in Transparent Granular Soils. <i>Geotechnical and Geological Engineering</i> , 2017 , 36, 783	1.5	2
62	Particle breakage and deformation of carbonate sands with wide range of densities during compression loading process. <i>Acta Geotechnica</i> , 2017 , 12, 1177-1184	4.9	82
61	Evolution of particle breakage and volumetric deformation of binary granular soils under impact load. <i>Granular Matter</i> , 2017 , 19, 1	2.6	37
60	Evaluating stability of underground entry-type excavations using multivariate adaptive regression splines and logistic regression. <i>Tunnelling and Underground Space Technology</i> , 2017 , 70, 148-154	5.7	66
59	Model Tests on Soil Movement during the Installation of Piles in Transparent Granular Soil. <i>International Journal of Geomechanics</i> , 2017 , 17, 06016027	3.1	22
58	Influence of Particle Breakage on Critical State Line of Rockfill Material. <i>International Journal of Geomechanics</i> , 2016 , 16, 04015031	3.1	133
57	Transitional Behaviors in Well-Graded Coarse Granular Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016 , 142, 06016018	3.4	23
56	Dilation and breakage dissipation of granular soils subjected to monotonic loading. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2016 , 32, 1065-1074	2	4
55	Modeling of strength and deformation of overconsolidated clays based on bounding surface plasticity. <i>Science China Technological Sciences</i> , 2016 , 59, 1452-1462	3.5	3
54	General Stress-Dilatancy Relation for Granular Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016 , 142, 02816001	3.4	7
53	Critical state behaviors of a coarse granular soil under generalized stress conditions. <i>Granular Matter</i> , 2016 , 18, 1	2.6	25
52	Strength and Dilatancy Behaviors of Dense Modeled Rockfill Material in General Stress Space. <i>International Journal of Geomechanics</i> , 2016 , 16, 04016015	3.1	18

51	Discussion of Dilatancy and Friction Angles Based on In Situ Soil Conditions by Ozer Cinicioglu and Arshiya Abadkon. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016 , 142, 07016009 ^{3,4}		
50	Unified plastic modulus in the bounding surface plasticity model. <i>Science China Technological Sciences</i> , 2016 , 59, 932-940	3.5	4
49	Testing and modeling of rockfill materials: A review. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2016 , 8, 415-422	5.3	17
48	Modelling long-term deformation of granular soils incorporating the concept of fractional calculus. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2016 , 32, 112-124	2	10
47	Effect of Intermediate Principal-Stress Ratio on Particle Breakage of Rockfill Material. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016 , 142, 06015017	3.4	97
46	Neutrophils in type 1 diabetes. <i>Journal of Diabetes Investigation</i> , 2016 , 7, 652-63	3.9	59
45	New Method for Improvement of Rockfill Material with Polyurethane Foam Adhesive. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015 , 141, 02814003	3.4	12
44	Compressibility dependence on grain size distribution and relative density in sands. <i>Science China Technological Sciences</i> , 2015 , 58, 443-448	3.5	11
43	A particle-breakage critical state model for rockfill material. <i>Science China Technological Sciences</i> , 2015 , 58, 1125-1136	3.5	22
42	Discussion of Effect of the Mode of Shear on Static Liquefaction Analysis by Abouzar Sadrekarimi. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015 , 141, 07015017	3.4	
41	Intensity measures for seismic liquefaction hazard evaluation of sloping site. <i>Journal of Central South University</i> , 2015 , 22, 3999-4018	2.1	2
40	Discussion of Effects of Particle Size Distribution on Shear Strength of Accumulation Soil by Jun-Jie Wang, Hui-Ping Zhang, Sheng-Chuan Tang, and Yue Liang. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015 , 141, 07014030	3.4	1
39	State-Dependent Constitutive Model for Rockfill Materials. <i>International Journal of Geomechanics</i> , 2015 , 15, 04014075	3.1	54
38	Serum fibroblast growth factor 21 levels are related to subclinical atherosclerosis in patients with type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2015 , 14, 72	8.7	47
37	Stress-dilatancy behaviors of coarse granular soils in three-dimensional stress space. <i>Engineering Geology</i> , 2015 , 195, 104-110	6	23
36	Fractional order modelling of the cumulative deformation of granular soils under cyclic loading. <i>Acta Mechanica Solida Sinica</i> , 2015 , 28, 647-658	2	12
35	Assessment of soil liquefaction based on capacity energy concept and multivariate adaptive regression splines. <i>Engineering Geology</i> , 2015 , 188, 29-37	6	84
34	Influence of Intermediate Principal Stress on the Strength and Dilatancy Behavior of Rockfill Material. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 04014064	3.4	36

33	Testing and modeling of the state-dependent behaviors of rockfill material. <i>Computers and Geotechnics</i> , 2014 , 61, 153-165	4.4	29
32	Strength and Deformation of Rockfill Material Based on Large-Scale Triaxial Compression Tests. I: Influences of Density and Pressure. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 04014070	3.4	63
31	Increased neutrophil elastase and proteinase 3 and augmented NETosis are closely associated with Ecell autoimmunity in patients with type 1 diabetes. <i>Diabetes</i> , 2014 , 63, 4239-48	0.9	121
30	A constitutive model for the state-dependent behaviors of rockfill material considering particle breakage. <i>Science China Technological Sciences</i> , 2014 , 57, 1636-1646	3.5	19
29	Bounding surface model for ballast with additional attention on the evolution of particle size distribution. <i>Science China Technological Sciences</i> , 2014 , 57, 1352-1360	3.5	23
28	Strength and Deformation of Rockfill Material Based on Large-Scale Triaxial Compression Tests. II: Influence of Particle Breakage. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 04014071	3.4	58
27	Strength and Dilatancy of Silty Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 06014007	3.4	22
26	Bounding Surface Model for Rockfill Materials Dependent on Density and Pressure under Triaxial Stress Conditions. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 04014002	2.4	73
25	Bounding Surface Plasticity Model Incorporating the State Pressure Index for Rockfill Materials. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 04014087	2.4	64
24	Discussion of Role of Particle Angularity on the Mechanical Behavior of Granular Mixtures by H. Shin and J. C. Santamarina. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 07014009	3.4	
23	Discussion of Behavior of Coarse Widely Graded Soils under Low Confining Pressures by H. F. Zhao, L. M. Zhang, and D. S. Chang. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 07013001	3.4	
22	Discussion of Associated Generalized Plasticity Framework for Modeling Gravelly Soils Considering Particle Breakage by Huabei Liu and Degao Zou. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 07014003	2.4	
21	Discussion of Constitutive Modeling of Loose Sands under Various Stress Paths by Cheng Chen and Jiasheng Zhang. <i>International Journal of Geomechanics</i> , 2014 , 14, 158-159	3.1	
20	Erratum for Measuring and Modeling Proportion-Dependent Stress-Strain Behavior of EPS-Sand Mixture by An Deng and Yang Xiao. <i>International Journal of Geomechanics</i> , 2013 , 13, 900-900	3.1	
19	Erratum for Formulation of Cross-Anisotropic Failure Criterion for Granular Material by Yang Xiao, Hanlong Liu, and Gui Yang. <i>International Journal of Geomechanics</i> , 2013 , 13, 698-698	3.1	1
18	Circulating lipocalin-2 and retinol-binding protein 4 are associated with intima-media thickness and subclinical atherosclerosis in patients with type 2 diabetes. <i>PLoS ONE</i> , 2013 , 8, e66607	3.7	43
17	Formulation of Cross-Anisotropic Failure Criterion for Granular Material. <i>International Journal of Geomechanics</i> , 2012 , 12, 182-188	3.1	17
16	Modeling and behaviours of rockfill materials in three-dimensional stress space. <i>Science China Technological Sciences</i> , 2012 , 55, 2877-2892	3.5	25

15	Distinct changes in serum fibroblast growth factor 21 levels in different subtypes of diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E54-8	5.6	75
14	Modeling of Rheological Behavior of Geomaterials Based on Fractional Viscoelastic Equation with Variable Parameters 2011 ,		1
13	Modified Cam-Clay model incorporating unified nonlinear strength criterion. <i>Science China Technological Sciences</i> , 2011 , 54, 805-810	3.5	13
12	A 3D bounding surface model for rockfill materials. <i>Science China Technological Sciences</i> , 2011 , 54, 2904-2915	3.5	30
11	Dilatancy equation of rockfill material under the true triaxial stress condition. <i>Science China Technological Sciences</i> , 2011 , 54, 175-184	3.5	21
10	A United Anisotropic Strength Criterion for Soils 2011 ,		1
9	Measuring and Modeling Proportion-Dependent Stress-Strain Behavior of EPS-Sand Mixture. <i>International Journal of Geomechanics</i> , 2010 , 10, 214-222	3.1	44
8	Method of features extraction for infrared image recognition based on image moment 2010 ,		2
7	A new elliptic-parabolic yield surface model revised by an adaptive criterion for granular soils. <i>Science China Technological Sciences</i> , 2010 , 53, 2152-2159	3.5	11
6	Shear behavior of sand-expanded polystyrene beads lightweight fills. <i>Central South University</i> , 2008 , 15, 174-179		11
5	Kaolin-nucleation-based biotreated calcareous sand through unsaturated percolation method. <i>Acta Geotechnica</i> ,	4.9	3
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