

Yang Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

202
papers

8,777
citations

38742

50
h-index

60623

81
g-index

211
all docs

211
docs citations

211
times ranked

6576
citing authors

#	ARTICLE	IF	CITATIONS
1	Size effect on mudstone strength during the freezing–thawing cycle. <i>Environmental Geotechnics</i> , 2023, 10, 353-368.	2.3	12
2	One-step solution combustion synthesis of micro-nano-scale porous Cu/CeO ₂ with enhanced photocatalytic properties. <i>Journal of Rare Earths</i> , 2023, 41, 250-258.	4.8	7
3	Evolution of Particle Shape Produced by Sand Breakage. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	26
4	Kaolin-nucleation-based biotreated calcareous sand through unsaturated percolation method. <i>Acta Geotechnica</i> , 2022, 17, 3181-3193.	5.7	20
5	Biomaterialomics: Data science-driven pathways to develop fourth-generation biomaterials. <i>Acta Biomaterialia</i> , 2022, 143, 1-25.	8.3	42
6	Examining neighborhood effects on residents'™ daily activities in central Shanghai, China: Integrating "big data" and "thick data". <i>Environment and Planning B: Urban Analytics and City Science</i> , 2022, 49, 2011-2028.	2.0	3
7	General friction law for velocity–stress dependent phase transition in granular flow. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2022, 46, 1525-1543.	3.3	3
8	Guaiacol Hydrodeoxygenation and Hydrogenation over Bimetallic Pt-M (Nb, W, Zr)/KIT-6 Catalysts with Tunable Acidity. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4831-4838.	6.7	16
9	Crystal Growth of MICP through Microfluidic Chip Tests. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	3.0	42
10	ZNF117 regulates glioblastoma stem cell differentiation towards oligodendroglial lineage. <i>Nature Communications</i> , 2022, 13, 2196.	12.8	9
11	Single-Cell Transcriptomics Revealed Subtype-Specific Tumor Immune Microenvironments in Human Glioblastomas. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	14
12	Mechanical properties of biocement formed by microbially induced carbonate precipitation. <i>Acta Geotechnica</i> , 2022, 17, 4905-4919.	5.7	12
13	Single-cell antigen-specific landscape of CAR T infusion product identifies determinants of CD19-positive relapse in patients with ALL. <i>Science Advances</i> , 2022, 8, .	10.3	63
14	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.	4.0	7
15	Sodium–glucose cotransporter inhibitors as add-on therapy in addition to insulin for type 1 diabetes mellitus: A meta–analysis of randomized controlled trials. <i>Journal of Diabetes Investigation</i> , 2021, 12, 546-556.	2.4	11
16	Social ties, spatial migration paradigm, and mental health among two generations of migrants in China. <i>Population, Space and Place</i> , 2021, 27, e2389.	2.3	6
17	Imidazolium ionic liquid functionalized UiO-66-NH ₂ as highly efficient catalysts for chemical fixation of CO ₂ into cyclic carbonates. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110578.	4.4	61
18	Dynamic properties of polyurethane foam adhesive-reinforced gravels. <i>Science China Technological Sciences</i> , 2021, 64, 535-547.	4.0	20

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19	Compression behavior of MICP-treated sand with various gradations. <i>Acta Geotechnica</i> , 2021, 16, 1391-1400.	5.7	70
20	Assessing polycentric urban development in Shanghai, China, with detailed passive mobile phone data. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2021, 48, 2656-2674.	2.0	8
21	Homogeneity and mechanical behaviors of sands improved by a temperature-controlled one-phase MICP method. <i>Acta Geotechnica</i> , 2021, 16, 1417-1427.	5.7	58
22	Decreased serum fibroblast growth factor 19 level is a risk factor for type 1 diabetes. <i>Annals of Translational Medicine</i> , 2021, 9, 376-376.	1.7	1
23	Crackling noise and bio-cementation. <i>Engineering Fracture Mechanics</i> , 2021, 247, 107675.	4.3	16
24	Effects of relative densities on particle breaking behaviour of non-uniform grading coral sand. <i>Powder Technology</i> , 2021, 382, 524-531.	4.2	20
25	Challenges and New Directions in Securing Spectrum Access Systems. <i>IEEE Internet of Things Journal</i> , 2021, 8, 6498-6518.	8.7	11
26	Fatty acid binding protein 4 promotes autoimmune diabetes by recruitment and activation of pancreatic islet macrophages. <i>JCI Insight</i> , 2021, 6, .	5.0	15
27	Kinetic biomineralization through microfluidic chip tests. <i>Acta Geotechnica</i> , 2021, 16, 3229-3237.	5.7	37
28	Hydrogenolysis of glycerol to propanediols over silicotungstic acid catalysts intercalated with CuZnFe hydrotalcite-like compounds. <i>Catalysis Today</i> , 2021, 368, 224-231.	4.4	15
29	Constitutive Modeling for Two Sands under High Pressure. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	27
30	The polymorphism of the CARD8 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, 1131-1131.	1.7	0
31	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.	3.6	13
32	New Simple Breakage Index for Crushable Granular Soils. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	29
33	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.	14.3	44
34	Serum fibroblast growth factor 19 (FGF19) levels are associated with atherogenic dyslipidemia in patients with type 2 diabetes. <i>Chinese Medical Journal</i> , 2021, Publish Ahead of Print, 2243-2245.	2.3	1
35	Dissolution Hotspots in Fractures. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094118.	4.0	18
36	Thermal Conductivity of Biocemented Graded Sands. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	30

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37	Lateral Responses of a Model Pile in Biocemented Sand. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	13
38	Testing and Modeling on Particle Breakage for Granular Soils. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	2
39	One-step combustion synthesis of carbon-coated NiO/Ni composites for lithium and sodium storage. <i>Journal of Alloys and Compounds</i> , 2021, 884, 160927.	5.5	9
40	Modeling SARS-CoV-2 infection in individuals with opioid use disorder with brain organoids. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142098529.	5.5	6
41	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.	0.4	0
42	Exploring the health effects of neighborhood greenness on Lilong residents in Shanghai. <i>Urban Forestry and Urban Greening</i> , 2021, 66, 127383.	5.3	15
43	Direct methane activation by atomically thin platinum nanolayers on two-dimensional metal carbides. <i>Nature Catalysis</i> , 2021, 4, 882-891.	34.4	63
44	Formulation and implementation of an elastoplastic constitutive model for sand-€fines mixtures. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021, 45, 2682-2708.	3.3	26
45	Granular hyperelasticity with inherent and stress-induced anisotropy. <i>Acta Geotechnica</i> , 2020, 15, 671-680.	5.7	13
46	Emerging divided cities in China: Socioeconomic segregation in Shanghai, 2000-€2010. <i>Urban Studies</i> , 2020, 57, 1338-1356.	3.7	42
47	Bounding surface plasticity model for stress-strain and grain-crushing behaviors of rockfill materials. <i>Geoscience Frontiers</i> , 2020, 11, 495-510.	8.4	36
48	Detailed amount of particle breakage in nonuniformly graded sands under one-dimensional compression. <i>Canadian Geotechnical Journal</i> , 2020, 57, 1239-1246.	2.8	60
49	Grain crushing in geoscience materials-€Key issues on crushing response, measurement and modeling: Review and preface. <i>Geoscience Frontiers</i> , 2020, 11, 363-374.	8.4	37
50	Toe-Bearing Capacity of Precast Concrete Piles through Biogrouting Improvement. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	47
51	A stress-path-independent damage variable for concrete under multiaxial stress conditions. <i>International Journal of Solids and Structures</i> , 2020, 206, 59-74.	2.7	12
52	Ordered mesoporous Ag/CeO2 nanocrystalline via silica-templated solution combustion for enhanced photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125301.	4.7	16
53	Emerging Roles of Exosomes in T1DM. <i>Frontiers in Immunology</i> , 2020, 11, 593348.	4.8	44
54	High-Spatial-Resolution Multi-Omics Sequencing via Deterministic Barcoding in Tissue. <i>Cell</i> , 2020, 183, 1665-1681.e18.	28.9	423

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55	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.	3.0	0
56	Modeling the Impact of Network Connectivity on Consensus Security of Proof-of-Work Blockchain. , 2020, , .		20
57	Neutrophil count as a reliable marker for diabetic kidney disease in autoimmune diabetes. <i>BMC Endocrine Disorders</i> , 2020, 20, 158.	2.2	11
58	Altered Systemic and Intestinal IgA Immune Responses in Individuals With Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e4616-e4625.	3.6	5
59	Restraint of Particle Breakage by Biotreatment Method. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	109
60	Insights into the Influence of CeO ₂ Crystal Facet on CO ₂ Hydrogenation to Methanol over Pd/CeO ₂ Catalysts. <i>ACS Catalysis</i> , 2020, 10, 11493-11509.	11.2	391
61	Abnormal Neutrophil Transcriptional Signature May Predict Newly Diagnosed Latent Autoimmune Diabetes in Adults of South China. <i>Frontiers in Endocrinology</i> , 2020, 11, 581902.	3.5	11
62	TRIB3 promotes MYC-associated lymphoma development through suppression of UBE3B-mediated MYC degradation. <i>Nature Communications</i> , 2020, 11, 6316.	12.8	27
63	Effects of Load Duration and Stress Level on Deformation and Particle Breakage of Carbonate Sands. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	29
64	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.	2.1	14
65	Investigation of thermal-induced damage in fractured rock mass by coupled FEM-DEM method. <i>Computational Geosciences</i> , 2020, 24, 1833-1843.	2.4	22
66	Distinct secretion pattern of serum proinsulin in different types of diabetes. <i>Annals of Translational Medicine</i> , 2020, 8, 452-452.	1.7	5
67	Fibroblast Growth Factor 19 Levels Predict Subclinical Atherosclerosis in Men With Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2020, 11, 282.	3.5	7
68	An Integrated Dielectrophoresis-Trapping and Nanowell Transfer Approach to Enable Double-Sub-Poisson Single-Cell RNA Sequencing. <i>ACS Nano</i> , 2020, 14, 7412-7424.	14.6	25
69	Strength-increase mechanism and microstructural characteristics of a biotreated geomaterial. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 599-608.	2.9	7
70	Thermal Conductivity of Granular Soil Mixtures with Contrasting Particle Shapes. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	19
71	Exact Solutions for Nonlocal Steady Fully Developed Debris Flows Down Inclines. <i>Journal of Engineering Mechanics - ASCE</i> , 2020, 146, 04020021.	2.9	0
72	Influence of Fiber Content and Length on Engineering Properties of MICP-Treated Coral Sand. <i>Geomicrobiology Journal</i> , 2020, 37, 582-594.	2.0	68

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73	Offloading Decision in Edge Computing for Continuous Applications Under Uncertainty. IEEE Transactions on Wireless Communications, 2020, 19, 6196-6209.	9.2	16
74	Refinement of the kinetic model for guaiacol hydrodeoxygenation over platinum catalysts. AIChE Journal, 2020, 66, e16913.	3.6	4
75	Engineering Liver Microtissues for Disease Modeling and Regenerative Medicine. Advanced Functional Materials, 2020, 30, 1909553.	14.9	28
76	A Survey of Distributed Consensus Protocols for Blockchain Networks. IEEE Communications Surveys and Tutorials, 2020, 22, 1432-1465.	39.4	470
77	Abnormal Peripheral Neutrophil Transcriptome in Newly Diagnosed Type 2 Diabetes Patients. Journal of Diabetes Research, 2020, 2020, 1-10.	2.3	13
78	<p>Polymorphisms of the NLRC4 Gene are Associated with the Onset Age, Positive Rate of GADA and 2-h Postprandial C-Peptide in Patients with Type 1 Diabetes<p>. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 811-818.	2.4	12
79	Neutrophil elastase triggers the development of autoimmune diabetes by exacerbating innate immune responses in pancreatic islets of non-obese diabetic mice. Clinical Science, 2020, 134, 1679-1696.	4.3	14
80	Gut microbial metabolites alter IgA immunity in type 1 diabetes. JCI Insight, 2020, 5, .	5.0	53
81	Thermal volume changes of saturated sand during loading-unloading-heating phase. E3S Web of Conferences, 2020, 205, 08002.	0.5	5
82	Experimental Analysis of Sandstone Under Uniaxial Cyclic Loading Through Acoustic Emission Statistics. Pure and Applied Geophysics, 2019, 176, 265-277.	1.9	14
83	Distinct neutrophil counts and functions in newly diagnosed type 1 diabetes, latent autoimmune diabetes in adults, and type 2 diabetes. Diabetes/Metabolism Research and Reviews, 2019, 35, e3064.	4.0	47
84	Thermal Conductivity of SandâTire Shred Mixtures. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	30
85	Acoustic Emission and Force Drop in Grain Crushing of Carbonate Sands. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	47
86	Unconfined Compressive and Splitting Tensile Strength of Basalt FiberâReinforced Biocemented Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	138
87	Tissue Engineering: Senescent Cells with Augmented Cytokine Production for Microvascular Bioengineering and Tissue Repairs (Adv. Biosys. 8/2019). Advanced Biology, 2019, 3, 1970082.	3.0	0
88	Change of crackling noise in granite by thermal damage: Monitoring nuclear waste deposits. American Mineralogist, 2019, 104, 1578-1584.	1.9	15
89	Effect of Particle Shape on Strength and Stiffness of Biocemented Glass Beads. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	112
90	Infiltration of Blood-Derived Macrophages Contributes to the Development of Diabetic Neuropathy. Journal of Immunology Research, 2019, 2019, 1-8.	2.2	26

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91	Strength and Deformation Responses of Biocemented Sands Using a Temperature-Controlled Method. <i>International Journal of Geomechanics</i> , 2019, 19, .	2.7	67
92	Strength and Surviving Probability in Grain Crushing under Acidic Erosion and Compression. <i>International Journal of Geomechanics</i> , 2019, 19, .	2.7	26
93	Identification of the structure of the Bi promoted Pt non-oxidative coupling of methane catalyst: a nanoscale Pt ₃ Bi intermetallic alloy. <i>Catalysis Science and Technology</i> , 2019, 9, 1349-1356.	4.1	31
94	Effect of relative density and biocementation on cyclic response of calcareous sand. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1849-1862.	2.8	136
95	Constitutive Modeling for Overconsolidated Clays Based on Disturbed State Concept. I: Theory. <i>International Journal of Geomechanics</i> , 2019, 19, .	2.7	17
96	Constitutive Modeling for Overconsolidated Clays Based on Disturbed State Concept. II: Validation. <i>International Journal of Geomechanics</i> , 2019, 19, 04019102.	2.7	10
97	Single-cell Analysis of CAR-T Cell Activation Reveals A Mixed TH1/TH2 Response Independent of Differentiation. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 129-139.	6.9	77
98	Effect of particle shape of glass beads on the strength and deformation of cemented sands. <i>Acta Geotechnica</i> , 2019, 14, 2123-2131.	5.7	27
99	Senescent Cells with Augmented Cytokine Production for Microvascular Bioengineering and Tissue Repairs. <i>Advanced Biology</i> , 2019, 3, 1900089.	3.0	12
100	Sustainable value-added C3 chemicals from glycerol transformations: A mini review for heterogeneous catalytic processes. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1536-1542.	3.5	47
101	Organ-on-a-Chip: Ex vivo Dynamics of Human Glioblastoma Cells in a Microvasculature-on-a-Chip System Correlates with Tumor Heterogeneity and Subtypes (Adv. Sci. 8/2019). <i>Advanced Science</i> , 2019, 6, 1970046.	11.2	0
102	Single-Cell Cytokine Assays: Multiplexed, Sequential Secretion Analysis of the Same Single Cells Reveals Distinct Effector Response Dynamics Dependent on the Initial Basal State (Adv. Sci. 9/2019). <i>Advanced Science</i> , 2019, 6, 1970055.	11.2	0
103	Role of Bismuth in the Stability of Pt-Bi Bimetallic Catalyst for Methane Mediated Deoxygenation of Guaiacol, an APXPS Study. <i>ACS Catalysis</i> , 2019, 9, 3694-3699.	11.2	11
104	Ex vivo Dynamics of Human Glioblastoma Cells in a Microvasculature-on-a-Chip System Correlates with Tumor Heterogeneity and Subtypes. <i>Advanced Science</i> , 2019, 6, 1801531.	11.2	69
105	Multiplexed, Sequential Secretion Analysis of the Same Single Cells Reveals Distinct Effector Response Dynamics Dependent on the Initial Basal State. <i>Advanced Science</i> , 2019, 6, 1801361.	11.2	26
106	Seepage control in sand using bioslurry. <i>Construction and Building Materials</i> , 2019, 212, 342-349.	7.2	42
107	Particle breakage and energy dissipation of carbonate sands under quasi-static and dynamic compression. <i>Acta Geotechnica</i> , 2019, 14, 1741-1755.	5.7	84
108	Avalanche mixing and the simultaneous collapse of two media under uniaxial stress. <i>Physical Review E</i> , 2019, 99, 023002.	2.1	10

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109	Novel frameshift mutation in the insulin (<i>INS</i>) gene in a family with maturity onset diabetes of the young (MODY). <i>Journal of Diabetes</i> , 2019, 11, 83-86.	1.8	10
110	Strength, stiffness, and microstructure characteristics of biocemented calcareous sand. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1502-1513.	2.8	148
111	Effect of Particle Shape on Stress-Dilatancy Responses of Medium-Dense Sands. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	207
112	Incretin-based therapies for patients with type 1 diabetes: a meta-analysis. <i>Endocrine Connections</i> , 2019, 8, 277-288.	1.9	15
113	Highly Selective Nonoxidative Coupling of Methane over Pt-Bi Bimetallic Catalysts. <i>ACS Catalysis</i> , 2018, 8, 2735-2740.	11.2	89
114	Severe insulin resistance due to insulin antibodies. <i>Journal of Diabetes</i> , 2018, 10, 611-613.	1.8	2
115	Non-linear elastic model incorporating temperature effects. <i>Geotechnical Research</i> , 2018, 5, 22-30.	1.4	6
116	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.	6.2	118
117	Liquefaction resistance of bio-cemented calcareous sand. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 107, 9-19.	3.8	263
118	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.	5.4	20
119	Alternative splicing variant of the scaffold protein APPL1 suppresses hepatic adiponectin signaling and function. <i>Journal of Biological Chemistry</i> , 2018, 293, 6064-6074.	3.4	12
120	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.	3.5	134
121	Biocementation of calcareous sand using soluble calcium derived from calcareous sand. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 1781-1791.	3.5	84
122	Stress-Strain-Strength Response and Ductility of Gravels Improved by Polyurethane Foam Adhesive. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	75
123	Nonlinear regression model for peak-failure strength of rockfill materials in general stress space. <i>Geoscience Frontiers</i> , 2018, 9, 1699-1709.	8.4	11
124	Effects of temperature on the shear strength of saturated sand. <i>Soils and Foundations</i> , 2018, 58, 1326-1338.	3.1	25
125	$\text{Bi}_{5}\text{O}_{7}\text{NO}_{3}$ and $\text{Ag}/\text{Bi}_{5}\text{O}_{7}\text{NO}_{3}$ composites: one-step solution combustion synthesis, characterization and photocatalytic properties. <i>CrystEngComm</i> , 2018, 20, 7536-7542.	2.6	8
126	Bio-Oil Upgrading Using Methane: A Mechanistic Study of Reactions of Model Compound Guaiacol over $\text{Pt}^{\delta}\text{Bi}$ Bimetallic Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17368-17375.	6.7	6

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127	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.	2.3	12
128	Intermittent flow under constant forcing: Acoustic emission from creep avalanches. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	25
129	Gradation-Dependent Thermal Conductivity of Sands. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	47
130	Intermittent High Glucose Exacerbates A-FABP Activation and Inflammatory Response through TLR4-JNK Signaling in THP-1 Cells. <i>Journal of Immunology Research</i> , 2018, 2018, 1-9.	2.2	22
131	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.	5.8	50
132	Adipocyte Fatty Acid-Binding Protein Promotes Palmitate-Induced Mitochondrial Dysfunction and Apoptosis in Macrophages. <i>Frontiers in Immunology</i> , 2018, 9, 81.	4.8	51
133	Low-temperature selective oxidation of methanol over Pt-Bi bimetallic catalysts. <i>Journal of Catalysis</i> , 2018, 363, 144-153.	6.2	17
134	Fractal crushing of carbonate and quartz sands along the specimen height under impact loading. <i>Construction and Building Materials</i> , 2018, 182, 188-199.	7.2	53
135	Influence of Temperature on the Volume Change Behavior of Saturated Sand. <i>Geotechnical Testing Journal</i> , 2018, 41, 20160308.	1.0	26
136	Elastoplastic Constitutive Model for Rockfill Materials Considering Particle Breakage. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	193
137	Seismic response of concrete-rockfill combination dam using large-scale shaking table tests. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 99, 9-19.	3.8	10
138	Constitutive Modeling for Transparent Granular Soils. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	53
139	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.	4.0	26
140	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.	2.7	55
141	Kinetics of guaiacol deoxygenation using methane over the Pt€Bi catalyst. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 36-43.	3.7	8
142	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.	1.9	7
143	Experimental Investigation on the Movement of Soil and Piles in Transparent Granular Soils. <i>Geotechnical and Geological Engineering</i> , 2017, 36, 783.	1.7	4
144	Engineered Microvasculature in PDMS Networks Using Endothelial Cells Derived from Human Induced Pluripotent Stem Cells. <i>Cell Transplantation</i> , 2017, 26, 1365-1379.	2.5	17

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145	Particle breakage and deformation of carbonate sands with wide range of densities during compression loading process. <i>Acta Geotechnica</i> , 2017, 12, 1177-1184.	5.7	129
146	Evolution of particle breakage and volumetric deformation of binary granular soils under impact load. <i>Granular Matter</i> , 2017, 19, 1.	2.2	67
147	Kinetics of glycerol conversion to hydrocarbon fuels over Pd/H ₂ ZSM-5 catalyst. <i>AIChE Journal</i> , 2017, 63, 5445-5451.	3.6	7
148	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.	6.2	87
149	New lightweight geomaterials: Biocemented sand mixed with expanded polystyrene beads. <i>Science China Technological Sciences</i> , 2017, 60, 1118-1120.	4.0	8
150	Model Tests on Soil Movement during the Installation of Piles in Transparent Granular Soil. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	30
151	An experimental and theoretical study of glycerol oxidation to 1,3-dihydroxyacetone over bimetallic Pt-Bi catalysts. <i>AIChE Journal</i> , 2017, 63, 705-715.	3.6	60
152	Engineered microvasculature in PDMS networks using endothelial cells derived from human induced pluripotent stem cells. <i>Cell Transplantation</i> , 2017, .	2.5	0
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