

Erdin Ibraim

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,057
citations

201575

27
h-index

243529

44
g-index

66
all docs

66
docs citations

66
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Fibre reinforced sands: Experiments and modelling. <i>Geotextiles and Geomembranes</i> , 2010, 28, 238-250.	2.3	211
2	Static liquefaction of fibre reinforced sand under monotonic loading. <i>Geotextiles and Geomembranes</i> , 2010, 28, 374-385.	2.3	109
3	Localised deformation patterning in 2D granular materials revealed by digital image correlation. <i>Granular Matter</i> , 2010, 12, 1-14.	1.1	101
4	Determination of fibre orientation distribution in reinforced sands. <i>Geotechnique</i> , 2007, 57, 623-628.	2.2	92
5	A sand-rubber deformable granular layer as a low-cost seismic isolation strategy in developing countries: Experimental investigation. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 125, 105731.	1.9	91
6	Undrained instability of very loose Hostun sand in triaxial compression and extension. Part 1: experimental observations. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1997, 2, 47-70.	1.0	82
7	Assessment of laboratory sample preparation for fibre reinforced sands. <i>Geotextiles and Geomembranes</i> , 2012, 34, 69-79.	2.3	80
8	Theoretical Derivation of Artificially Cemented Granular Soil Strength. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	1.5	78
9	Fibre-reinforced sand: interaction at the fibre and grain scale. <i>Geotechnique</i> , 2015, 65, 296-308.	2.2	71
10	In situ experiments and seismic analysis of existing buildings. Part I: experimental investigations. <i>Earthquake Engineering and Structural Dynamics</i> , 2005, 34, 1513-1529.	2.5	68
11	Modelling tensile/compressive strength ratio of fibre reinforced cemented soils. <i>Geotextiles and Geomembranes</i> , 2018, 46, 155-165.	2.3	68
12	Two dimensional numerical and experimental models for the study of structureâ€“soilâ€“structure interaction involving three buildings. <i>Computers and Structures</i> , 2015, 150, 79-91.	2.4	65
13	Quantitative assessment of the influence of surface roughness on soil stiffness. <i>Geotechnique</i> , 2015, 65, 694-700.	2.2	65
14	Fibre reinforced sands: from experiments to modelling and beyond. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013, 37, 2427-2455.	1.7	60
15	Shake table testing of the dynamic interaction between two and three adjacent buildings (SSSI). <i>Soil Dynamics and Earthquake Engineering</i> , 2016, 89, 219-232.	1.9	59
16	Modelling tensile/compressive strength ratio of artificially cemented clean sand. <i>Soils and Foundations</i> , 2018, 58, 199-211.	1.3	56
17	In situ experiments and seismic analysis of existing buildings. Part II: Seismic integrity threshold. <i>Earthquake Engineering and Structural Dynamics</i> , 2005, 34, 1531-1546.	2.5	54
18	A simple discrete model for interaction of adjacent buildings during earthquakes. <i>Computers and Structures</i> , 2013, 124, 1-10.	2.4	53

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19	Construction of simplified design σ - γ curves for liquefied soils. <i>Geotechnique</i> , 2017, 67, 216-227.	2.2	48
20	Characterization of artificial spherical particles for DEM validation studies. <i>Particuology</i> , 2012, 10, 209-220.	2.0	46
21	Modelling of fibre-cohesive soil mixtures. <i>Acta Geotechnica</i> , 2014, 9, 1029-1043.	2.9	43
22	Fibres and soils: A route towards modelling of root-soil systems. <i>Soils and Foundations</i> , 2016, 56, 765-778.	1.3	39
23	Micromechanics of seismic wave propagation in granular materials. <i>Granular Matter</i> , 2016, 18, 1.	1.1	38
24	DAMPING IDENTIFICATION IN MULTI-DEGREE-OF-FREEDOM SYSTEM VIA A WAVELET-LOGARITHMIC DECREMENT-PART 2: STUDY OF A CIVIL ENGINEERING BUILDING. <i>Journal of Sound and Vibration</i> , 2000, 235, 375-403.	2.1	34
25	Modelling the Undrained Response of Fibre Reinforced Sands. <i>Soils and Foundations</i> , 2011, 51, 625-636.	1.3	30
26	3D fibre architecture of fibre-reinforced sand. <i>Granular Matter</i> , 2017, 19, 75.	1.1	29
27	Behaviour of Sand Reinforced with Fibres. <i>Solid Mechanics and Its Applications</i> , 2007, , 807-818.	0.1	29
28	Minimum undrained strength of Hostun RF sand. <i>Geotechnique</i> , 2000, 50, 377-392.	2.2	28
29	Strength anisotropy of fibre-reinforced sands under multiaxial loading. <i>Geotechnique</i> , 2019, 69, 203-216.	2.2	26
30	Sand-rubber mixtures undergoing isotropic loading: derivation and experimental probing of a physical model. <i>Granular Matter</i> , 2018, 20, 1.	1.1	23
31	Permeability assessment of some granular mixtures. <i>Geotechnique</i> , 2019, 69, 646-654.	2.2	22
32	Strain path controlled shear tests on an analogue granular material. <i>Geotechnique</i> , 2010, 60, 545-559.	2.2	20
33	Energy efficiency of fibre reinforced soil formation at small element scale: Laboratory and numerical investigation. <i>Geotextiles and Geomembranes</i> , 2018, 46, 497-510.	2.3	11
34	3D FE-Informed Laboratory Soil Testing for the Design of Offshore Wind Turbine Monopiles. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 101.	1.2	11
35	Stiffness of artificially cemented sands: insight on characterisation through empirical power relationships. <i>Road Materials and Pavement Design</i> , 2021, 22, 1469-1479.	2.0	10
36	Compacted Chalk Putty-Cement Blends: Mechanical Properties and Performance. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, 04017266.	1.3	9

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37	Experimental and numerical assessment of a cubical sample produced by pluviation. <i>Geotechnique Letters</i> , 2013, 3, 44-51.	0.6	8
38	A Sole Empirical Correlation Expressing Strength of Fine-Grained Soils - Lime Mixtures. <i>Soils and Rocks</i> , 2017, 40, 147-153.	0.2	8
39	Time-Dependent Behaviour and Static Liquefaction Phenomenon of Sand. <i>Geotechnical and Geological Engineering</i> , 2009, 27, 181-191.	0.8	7
40	Strength and stiffness of compacted chalk putty-cement blends. <i>Acta Geotechnica</i> , 2022, 17, 2955-2969.	2.9	7
41	Evaluation of Rocking and Coupling Rotational Linear Stiffness Coefficients of Adjacent Foundations. <i>International Journal of Geomechanics</i> , 2018, 18, .	1.3	6
42	Stiffness of granular soils under long-term multiaxial cyclic loading. <i>Geotechnique</i> , 2021, 71, 795-811.	2.2	6
43	New Local System of Measurement of Axial Strains for Triaxial Apparatus Using LVDT. <i>Geotechnical Testing Journal</i> , 2005, 28, 11630.	0.5	6
44	Assessing the hydraulic conductivity of road paving materials using representative pore size and grading entropy. <i>Ce/Papers</i> , 2018, 2, 871-876.	0.1	5
45	Permeability assessment of some granular mixtures. <i>Geotechnique</i> , 2020, 70, 845-847.	2.2	5
46	Fibre-reinforced granular soils behaviour: Numerical approach. , 2017, , 443-448.		5
47	Sand-Fly Ash-Lime Blends: Mechanical Behavior under Multiaxial Stress Condition. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	1.3	5
48	Pour une approche expérimentale de la vulnérabilité sismique. <i>Revue Européenne De Génie Civil</i> , 2000, 4, 683-714.	0.0	4
49	Acoustic emission monitoring of crushing of an analogue granular material. <i>Geotechnique Letters</i> , 2019, 9, 305-313.	0.6	4
50	Studying hydraulic conductivity of asphalt concrete using a database. <i>Transportation Engineering</i> , 2021, 3, 100040.	2.3	4
51	Comparison of Prediction Models for the Permeability of Granular Materials Using a Database. <i>Sustainable Civil Infrastructures</i> , 2019, , 1-13.	0.1	3
52	Elasto-plastic model for sand including time effect. <i>Geotechnique Letters</i> , 2016, 6, 16-22.	0.6	2
53	Undrained instability of very loose Hostun sand in triaxial compression and extension. Part 1: experimental observations. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1997, 2, 47-70.	1.0	2
54	A numerical and experimental study of sand-rubber mixtures subjected to oedometric compression. <i>E3S Web of Conferences</i> , 2019, 92, 14010.	0.2	1

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55	Stiffness of lightly cemented sand under multiaxial loading. E3S Web of Conferences, 2019, 92, 11008.	0.2	1
56	Artificially cemented sand under multiaxial loading. E3S Web of Conferences, 2019, 92, 11011.	0.2	1
57	Developing an Experimental Strategy to Investigate Stress-Strain Models Using Kaolin. Sustainable Civil Infrastructures, 2019, , 99-118.	0.1	1
58	In situ experiments and beam modelling of existing buildings. Revue Européenne De Génie Civil, 2005, 9, 263-280.	0.0	0
59	Sand “ rubber mixtures submitted to isotropic loading: a minimal model. EPJ Web of Conferences, 2017, 140, 12015.	0.1	0
60	AE Signature Interpretation of Single Particle Crushing under Uniaxial Compression. E3S Web of Conferences, 2019, 92, 09005.	0.2	0
61	Editorial: Special issue on keynote papers from the IS-Glasgow2019 “ 7th International Symposium on Deformation Characteristics of Geomaterials. Geomechanics for Energy and the Environment, 2021, 27, 100248.	1.2	0
62	Exploration of Structure-Soil-Structure Interaction Dynamics. , 0, , .		0