Dennes T Bergado

List of Publications by Year
in descending order

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50 papers	2,610 citations	185998 28 h-index	233125 45 g-index
50 all docs	50 docs citations	50 times ranked	1249 citing authors

#	Article	IF	Citations
1	Case study and numerical simulation of PVD improved soft Bangkok clay with surcharge and vacuum preloading using a modified air-water separation system. Geotextiles and Geomembranes, 2022, 50, 137-153.	2.3	21
2	Characterization of Stationary and Nonstationary Random Fields with Different Copulas on Undrained Shear Strength of Soils: Probabilistic Analysis of Embankment Stability on Soft Ground. International Journal of Geomechanics, 2022, 22, .	1.3	11
3	A simple solution for prefabricated vertical drain with surcharge preloading combined with vacuum consolidation. Geotextiles and Geomembranes, 2021, 49, 304-322.	2.3	22
4	Performance-based design optimization of embankments resting on soft soil improved with T-shaped and conventional DCM columns. Acta Geotechnica, 2021, 16, 3301-3326.	2.9	12
5	Vacuum-PVD Improvement: a Case Study of the Second Improvement of Soft Bangkok Clay on the Subsiding Ground. International Journal of Geosynthetics and Ground Engineering, 2021, 7, 1.	0.9	8
6	Guest Editorial for the Special Issue on â€œSoft Ground Improvementâ€• International Journal of Geosynthetics and Ground Engineering, 2021, 7, 1.	0.9	35
7	Microstructures within and outside the smear zones for soft clay improvement using PVD only, Vacuum-PVD, Thermo-PVD and Thermo-Vacuum-PVD. Geotextiles and Geomembranes, 2020, 48, 828-843.	2.3	14
8	Comparative performances of two- and three-dimensional analyses of soil-cement mixing columns under an embankment load. Marine Georesources and Geotechnology, 2019, 37, 852-869.	1.2	18
9	Effectiveness of deep cement mixing walls with top-down construction for deep excavations in soft clay: case study and 3D simulation. Acta Geotechnica, 2019, 14, 225-246.	2.9	39
10	Comparative flexural performance of compacted cement-fiber-sand. Geotextiles and Geomembranes, 2018, 46, 414-425.	2.3	43
11	The use of polymeric and metallic geogrid on a full-scale MSE wall/embankment on hard foundation: a comparison of field data with simulation. International Journal of Geo-Engineering, 2016, 7, 1.	0.9	7
12	Observation of Static Load of L-Shaped Retaining Wall Constructed on Short Wooden Pile Using Fiber Optic Geogrid BOTDR Method. Indian Geotechnical Journal, 2016, 46, 398-407.	0.7	5
13	Parameters affecting the lateral movements of compound deep cement mixing walls by numerical simulations and parametric analyses. Acta Geotechnica, 2015, 10, 797-812.	2.9	48
14	Embankment reinforced with limited life geotextiles on soft clay. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2015, 168, 130-143.	0.7	6
15	Full-Scale Tests on Stiffened Deep Cement Mixing Piles Including Three-Dimensional Finite Element Simulation. , 2015, , 31-77.		5
16	PVD improvement of soft Bangkok clay with and without vacuum preloading using analytical and numerical analyses. Geotextiles and Geomembranes, 2015, 43, 547-557.	2.3	49
17	ROOT STRENGTH MEASUREMENTS OF VETIVER AND RUZI GRASSES. Lowland Technology International, 2014, 16, 71-80.	0.3	21
18	Analyses of reinforced embankment on soft and hard foundations. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2014, 167, 3-23.	0.7	2

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19	Reply to the discussion by Wu and Hu on â€œNumerical assessment of equivalent diameter equations for prefabricated vertical drainsâ€• Canadian Geotechnical Journal, 2013, 50, 805-805.	1.4	0
20	Modelling prefabricated vertical drain improved ground in plane strain analysis. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2013, 166, 65-77.	0.7	25
21	Recent Developments of PVD Soft Ground Improvement: Laboratory Test Results and Simulations. Geotechnical, Geological and Earthquake Engineering, 2013, , 297-320.	0.1	0
22	Editorial: Challenges and opportunities. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2012, 165, 185-186.	0.7	0
23	Numerical assessment of equivalent diameter equations for prefabricated vertical drains. Canadian Geotechnical Journal, 2012, 49, 1427-1433.	1.4	19
24	Design curves of prefabricated vertical drains including smear and transition zones effects. Geotextiles and Geomembranes, 2012, 32, 1-9.	2.3	31
25	Field behaviour of stiffened deep cement mixing piles. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2011, 164, 33-49.	0.7	52
26	Full-Scale Embankment Consolidation Test using Prefabricated Vertical Thermal Drains. Soils and Foundations, 2010, 50, 599-608.	1.3	40
27	Thermal conductivity of soft Bangkok clay from laboratory and field measurements. Engineering Geology, 2009, 105, 211-219.	2.9	65
28	2D and 3D numerical simulations of reinforced embankments on soft ground. Geotextiles and Geomembranes, 2008, 26, 39-55.	2.3	125
29	Yielding of Saturated Clays at Elevated Temperatures. , 2008, , .		0
30	Effect of Temperature on Shear Strength and Yielding Behavior of Soft Bangkok Clay. Soils and Foundations, 2007, 47, 423-436.	1.3	92
31	Thermally induced volume change and excess pore water pressure of soft Bangkok clay. Engineering Geology, 2007, 89, 144-154.	2.9	153
32	Fundamental Characteristics of Cement-Admixed Clay in Deep Mixing. Journal of Materials in Civil Engineering, 2006, 18, 161-174.	1.3	195
33	Numerical analysis of reinforced wall using rubber tire chipsâ€“sand mixtures as backfill material. Computers and Geotechnics, 2004, 31, 103-114.	2.3	42
34	Fundamental Parameters of Cement-Admixed Clayâ€”New Approach. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 1042-1050.	1.5	294
35	New consolidation equation for soilÂ–cement pile improved ground. Canadian Geotechnical Journal, 2003, 40, 265-275.	1.4	56
36	Strength and deformation characteristics of shredded rubber tire Â– sand mixtures. Canadian Geotechnical Journal, 2003, 40, 254-264.	1.4	184

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37	Analytical and numerical modeling of pullout capacity and interaction between hexagonal wire mesh and silty sand backfill under an in-soil pullout test. Canadian Geotechnical Journal, 2003, 40, 886-899.	1.4	5
38	Prefabricated vertical drains (PVDs) in soft Bangkok clay: a case study of the new Bangkok International Airport project. Canadian Geotechnical Journal, 2002, 39, 304-315.	1.4	192
39	A case study of geotextile-reinforced embankment on soft ground. Geotextiles and Geomembranes, 2002, 20, 343-365.	2.3	52
40	Simple Method of Modeling PVD-Improved Subsoil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 965-972.	1.5	160
41	Mineralogy and Chemistry, and Their Correlation with the Geotechnical Index Properties of Bangkok Clay: Comparison with Ariake Clay. Soils and Foundations, 2000, 40, 11-21.	1.3	37
42	Deformation of Reinforced Soil Wall-Embankment System on Soft Clay Foundation. Soils and Foundations, 1997, 37, 33-46.	1.3	16
43	Prediction of Pullout Resistance and Pullout Force-Displacement Relationship for Inextensible Grid Reinforcements. Soils and Foundations, 1996, 36, 11-22.	1.3	38
44	Reliability-based analysis of embankment on soft Bangkok clay. Structural Safety, 1994, 13, 247-266.	2.8	14
45	Pullout force/displacement relationship of extensible grid reinforcements. Geotextiles and Geomembranes, 1994, 13, 295-316.	2.3	70
46	Performance of Reinforced Embankment on Muar Clay Deposit. Soils and Foundations, 1993, 33, 1-17.	1.3	30
47	Inverse Analysis of Geotechnical Parameters on Improved Soft Bangkok Clay. Journal of Geotechcnical Engineering, 1992, 118, 1012-1030.	0.4	32
48	Smear Effects of Vertical Drains on Soft Bangkok Clay. Journal of Geotechcnical Engineering, 1991, 117, 1509-1530.	0.4	152
49	Settlements of Bangnaâ€Bangpakong Highway on Soft Bangkok Clay. Journal of Geotechcnical Engineering, 1990, 116, 136-155.	0.4	39
50	Stochastic Analysis of Pore Pressure Uncertainty for the Probabilistic Assessment of the Safety of Earth Slopes. Soils and Foundations, 1985, 25, 87-105.	1.3	34