Dariusz Wanatowski

List of Publications by Year
in descending order

69	2,135	279798	243625
papers	citations	23 h-index	44 g-index

77	77	77	1583
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shakedown of asphalt pavements considering temperature effect. International Journal of Pavement Engineering, 2022, 23, 1572-1583.	4.4	7
2	Subsurface settlements of shield tunneling predicted by 2D and 3D constitutive models considering non-coaxiality and soil anisotropy: a case study. Canadian Geotechnical Journal, 2022, 59, 424-440.	2.8	13
3	Numerical Analysis of the Settlement Behavior of Soft Soil Improved with Stone Columns. Applied Sciences (Switzerland), 2022, 12, 5293.	2.5	11
4	Back analysis of the multilayer cylindrical HMA samples â€“ height reduction method. International Journal of Pavement Engineering, 2020, 21, 357-364.	4.4	0
5	Text Miningâ€“Based Review of Articles Published in the Journal of Professional Issues in Engineering Education and Practice. Journal of Professional Issues in Engineering Education and Practice, 2019, 145, .	0.9	6
6	Adopting recycled aggregates as sustainable construction materials: A review of the scientific literature. Construction and Building Materials, 2019, 218, 483-496.	7.2	106
7	Dynamic Characteristics and Failure Mechanism of Vegetated Revetment under Cyclic Loading. Materials, 2019, 12, 716.	2.9	0
8	The influence of frequency normalisation of FWD pavement measurements on backcalculated values of stiffness moduli. Road Materials and Pavement Design, 2019, 20, 1-19.	4.0	23
9	Effect of Material Stiffness Variation on Shakedown Solutions of Soils Under Moving Loads. Sustainable Civil Infrastructures, 2019, , 73-82.	0.2	0
10	Experimental Investigation of Properties of Concrete Containing Recycled Construction Wastes. International Journal of Civil Engineering, 2018, 16, 1621-1633.	2.0	35
11	Shakedown for slab track substructures with stiffness variation. Geotechnical Research, 2018, 5, 31-38.	1.4	13
12	Yield criteria for glaciotectonically deformed deposits. Engineering Geology, 2018, 239, 136-143.	6.3	1
13	Backcalculation of pavements incorporating Grouted Macadam technology. Road Materials and Pavement Design, 2018, 19, 1372-1388.	4.0	3
14	Constructing a BIM Climateâ€“Based Framework: Regional Case Study in China. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	3.8	17
15	Incorporating Woodwork Fabrication into the Integrated Teaching and Learning of Civil Engineering Students. Journal of Professional Issues in Engineering Education and Practice, 2018, 144, .	0.9	11
16	Implementation of Advanced Constitutive Models for the Prediction of Surface Subsidence After Underground Mineral Extraction. Springer Series in Geomechanics and Geoengineering, 2018, , 320-323.	0.1	1
17	Effect of high temperatures on sandstone â€“ a computed tomography scan study. International Journal of Physical Modelling in Geotechnics, 2017, 17, 75-90.	0.6	20
18	Empirical Study of BIM Implementationâ€“Based Perceptions among Chinese Practitioners. Journal of Management in Engineering - ASCE, 2017, 33, .	4.8	77

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19	BIM Investment, Returns, and Risks in Chinaâ€™s AEC Industries. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	3.8	91
20	An empirical study of perceptions towards construction and demolition waste recycling and reuse in China. Resources, Conservation and Recycling, 2017, 126, 86-98.	10.8	275
21	Strength improvement of lime-treated clay with sodium chloride. Geotechnical Research, 2017, 4, 192-202.	1.4	8
22	An Experimental Evaluation of the Weathering Effects on Mine Shaft Lining Materials. Advances in Materials Science and Engineering, 2017, 2017, 1-12.	1.8	6
23	Laboratory and micromechanical investigation of soil anisotropy. Japanese Geotechnical Society Special Publication, 2016, 2, 411-416.	0.2	2
24	Shakedown solutions for pavements with materials following associated and non-associated plastic flow rules. Computers and Geotechnics, 2016, 78, 218-226.	4.7	32
25	Shear strength and compressibility behaviour of lime-treated organic clay. KSCE Journal of Civil Engineering, 2016, 20, 1721-1727.	1.9	11
26	A laboratory study of anisotropic geomaterials incorporating recent micromechanical understanding. Acta Geotechnica, 2016, 11, 1111-1129.	5.7	61
27	Experimental investigation on the deformation characteristics of granular materials under drained rotational shear. Geomechanics and Geoengineering, 2016, 11, 47-63.	1.8	20
28	Soviet experience of underground coal gasification focusing on surface subsidence. Journal of Zhejiang University: Science A, 2015, 16, 839-850.	2.4	15
29	Instability of dilative sand. Geotechnical Research, 2015, 2, 35-48.	1.4	23
30	Investigating the micro mechanics of cemented sand using DEM. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 655-675.	3.3	28
31	Pre-failure instability of sand under dilatancy rate controlled conditions. Soils and Foundations, 2015, 55, 414-424.	3.1	13
32	Numerical Analysis of Piled Embankments on Soft Soils. , 2014, , .		8
33	Centrifuge Modelling of the Collapse of Shaft Linings. , 2014, , .		1
34	Difficulties in the determination of post-liquefaction strength for sand. Geotechnique Letters, 2014, 4, 57-61.	1.2	5
35	Shakedown of Layered Pavements under Repeated Moving Loads. , 2014, , .		1
36	Sample Preparation Technique for Fiber Reinforced Cemented Soils. Procedia Engineering, 2014, 77, 140-147.	1.2	5

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37	DEM of triaxial tests on crushable cemented sand. Granular Matter, 2014, 16, 563-572.	2.2	40
38	Simplified finite-element modelling for tunnelling-induced settlements. Geotechnical Research, 2014, 1, 133-152.	1.4	34
39	Noncoaxial Behavior of Sand under Various Stress Paths. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1381-1395.	3.0	86
40	The effect of drained pre-shearing on the undrained behaviour of loose sand with a small amount of fines. Acta Geotechnica, 2013, 8, 311-322.	5.7	21
41	Finite element analysis of a deep excavation: A case study from the Bangkok MRT. Soils and Foundations, 2013, 53, 756-773.	3.1	123
42	Geotechnical parameters from pressuremeter tests for MRT Blue Line extension in Bangkok. Geomechanics and Engineering, 2013, 5, 99-118.	0.9	23
43	Factors affecting pre-failure instability of sand under plane-strain conditions. Geotechnique, 2012, 62, 121-135.	4.0	24
44	Instability of Loose Sand under Drained Conditions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 207-216.	3.0	78
45	Discrete element modelling of a flexible membrane for triaxial testing of granular material at high pressures. Geotechnique Letters, 2012, 2, 199-203.	1.2	60
46	Stiffness and strength parameters for hardening soil model of soft and stiff Bangkok clays. Soils and Foundations, 2012, 52, 682-697.	3.1	164
47	Drained behaviour of cemented sand in high pressure triaxial compression tests. Geomechanics and Geoengineering, 2012, 7, 159-174.	1.8	46
48	Modelling cemented sand using DEM. , 2012, , 680-685.		3
49	Pre-Failure Instability Behavior of Sand in Strain Path Testing Under Plane-Strain Conditions. Soils and Foundations, 2011, 51, 423-435.	3.1	8
50	Strain Softening and Instability of Loose Sand in Plane-Strain Compression Tests. , 2010, , .		2
51	Closure to â€œEffect of Loading Mode on Strain Softening and Instability Behavior of Sand in Plane-Strain Testsâ€•by J. Chu and D. Wanatowski. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 271-272.	3.0	2
52	New types of failure mechanisms for flowslide. Geomechanics and Geoengineering, 2010, 5, 3-13.	1.8	2
53	Unstable behaviour of model Jamuna micaceous sand. V. N. GEORGIANNOU (2008). GÃ©otechnique 58, No. 10, 825â€“829. Geotechnique, 2010, 60, 307-308.	4.0	0
54	Drained instability of sand in plane strain. Canadian Geotechnical Journal, 2010, 47, 400-412.	2.8	35

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55	Discussion of â€œOn equivalent granular void ratio and steady state behaviour of loose sand with finesâ€Appears in the Canadian Geotechnical Journal, 45(10): 1439â€“1456.. Canadian Geotechnical Journal, 2009, 46, 482-482.	2.8	0
56	Effect of Loading Mode on Strain Softening and Instability Behavior of Sand in Plane-Strain Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 108-120.	3.0	58
57	Modified state parameter for characterizing static liquefaction of sand with fines. Canadian Geotechnical Journal, 2009, 46, 281-295.	2.8	104
58	Compressibility of Changi sand in K0consolidation. Geomechanics and Engineering, 2009, 1, 241-257.	0.9	3
59	Strain-softening behaviour of sand in strain path testing under plane-strain conditions. Acta Geotechnica, 2008, 3, 99-114.	5.7	17
60	Types of Flowslide Failures and Possible Failure Mechanisms. , 2008, , 244-253.		3
61	Undrained behaviour of Changi sand in triaxial and plane-strain compression. Geomechanics and Geoengineering, 2008, 3, 85-96.	1.8	6
62	Instability Conditions of Loose Sand in Plane Strain. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 136-142.	3.0	61
63	An assessment of the selected reinforcements of motorway pavement subgrade. , 2008, , 553-559.		1
64	Effect of Specimen Preparation Method on the Stress-Strain Behavior of Sand in Plane-Strain Compression Tests. Geotechnical Testing Journal, 2008, 31, 308-302.	1.0	11
65	Drained behaviour of Changi sand in triaxial and plane-strain compression. Geomechanics and Geoengineering, 2007, 2, 29-39.	1.8	24
66	K₀of sand measured by a plane-strain apparatus. Canadian Geotechnical Journal, 2007, 44, 1006-1012.	2.8	35
67	Static liquefaction of sand in plane strain. Canadian Geotechnical Journal, 2007, 44, 299-313.	2.8	92
68	Strain softening of K0-consolidated Changi sand under plane-strain conditions. Acta Geotechnica, 2006, 1, 29-42.	5.7	4
69	Stress-Strain Behavior of a Granular Fill Measured by a New Plane-Strain Apparatus. Geotechnical Testing Journal, 2006, 29, 149-157.	1.0	7