

Dariusz Wanatowski

List of Publications by Year in descending order

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69
papers

2,135
citations

279798

23
h-index

243625

44
g-index

77
all docs

77
docs citations

77
times ranked

1583
citing authors

#	ARTICLE	IF	CITATIONS
1	An empirical study of perceptions towards construction and demolition waste recycling and reuse in China. <i>Resources, Conservation and Recycling</i> , 2017, 126, 86-98.	10.8	275
2	Stiffness and strength parameters for hardening soil model of soft and stiff Bangkok clays. <i>Soils and Foundations</i> , 2012, 52, 682-697.	3.1	164
3	Finite element analysis of a deep excavation: A case study from the Bangkok MRT. <i>Soils and Foundations</i> , 2013, 53, 756-773.	3.1	123
4	Adopting recycled aggregates as sustainable construction materials: A review of the scientific literature. <i>Construction and Building Materials</i> , 2019, 218, 483-496.	7.2	106
5	Modified state parameter for characterizing static liquefaction of sand with fines. <i>Canadian Geotechnical Journal</i> , 2009, 46, 281-295.	2.8	104
6	Static liquefaction of sand in plane strain. <i>Canadian Geotechnical Journal</i> , 2007, 44, 299-313.	2.8	92
7	BIM Investment, Returns, and Risks in China's AEC Industries. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017, 143, .	3.8	91
8	Noncoaxial Behavior of Sand under Various Stress Paths. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1381-1395.	3.0	86
9	Instability of Loose Sand under Drained Conditions. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 207-216.	3.0	78
10	Empirical Study of BIM Implementation's Based Perceptions among Chinese Practitioners. <i>Journal of Management in Engineering - ASCE</i> , 2017, 33, .	4.8	77
11	Instability Conditions of Loose Sand in Plane Strain. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 136-142.	3.0	61
12	A laboratory study of anisotropic geomaterials incorporating recent micromechanical understanding. <i>Acta Geotechnica</i> , 2016, 11, 1111-1129.	5.7	61
13	Discrete element modelling of a flexible membrane for triaxial testing of granular material at high pressures. <i>Geotechnique Letters</i> , 2012, 2, 199-203.	1.2	60
14	Effect of Loading Mode on Strain Softening and Instability Behavior of Sand in Plane-Strain Tests. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 108-120.	3.0	58
15	Drained behaviour of cemented sand in high pressure triaxial compression tests. <i>Geomechanics and Geoengineering</i> , 2012, 7, 159-174.	1.8	46
16	DEM of triaxial tests on crushable cemented sand. <i>Granular Matter</i> , 2014, 16, 563-572.	2.2	40
17	of sand measured by a plane-strain apparatus. <i>Canadian Geotechnical Journal</i> , 2007, 44, 1006-1012.	2.8	35
18	Drained instability of sand in plane strain. <i>Canadian Geotechnical Journal</i> , 2010, 47, 400-412.	2.8	35

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19	Experimental Investigation of Properties of Concrete Containing Recycled Construction Wastes. <i>International Journal of Civil Engineering</i> , 2018, 16, 1621-1633.	2.0	35
20	Simplified finite-element modelling for tunnelling-induced settlements. <i>Geotechnical Research</i> , 2014, 1, 133-152.	1.4	34
21	Shakedown solutions for pavements with materials following associated and non-associated plastic flow rules. <i>Computers and Geotechnics</i> , 2016, 78, 218-226.	4.7	32
22	Investigating the micro mechanics of cemented sand using DEM. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2015, 39, 655-675.	3.3	28
23	Drained behaviour of Changi sand in triaxial and plane-strain compression. <i>Geomechanics and Geoengineering</i> , 2007, 2, 29-39.	1.8	24
24	Factors affecting pre-failure instability of sand under plane-strain conditions. <i>Geotechnique</i> , 2012, 62, 121-135.	4.0	24
25	Instability of dilative sand. <i>Geotechnical Research</i> , 2015, 2, 35-48.	1.4	23
26	The influence of frequency normalisation of FWD pavement measurements on backcalculated values of stiffness moduli. <i>Road Materials and Pavement Design</i> , 2019, 20, 1-19.	4.0	23
27	Geotechnical parameters from pressuremeter tests for MRT Blue Line extension in Bangkok. <i>Geomechanics and Engineering</i> , 2013, 5, 99-118.	0.9	23
28	The effect of drained pre-shearing on the undrained behaviour of loose sand with a small amount of fines. <i>Acta Geotechnica</i> , 2013, 8, 311-322.	5.7	21
29	Experimental investigation on the deformation characteristics of granular materials under drained rotational shear. <i>Geomechanics and Geoengineering</i> , 2016, 11, 47-63.	1.8	20
30	Effect of high temperatures on sandstone – a computed tomography scan study. <i>International Journal of Physical Modelling in Geotechnics</i> , 2017, 17, 75-90.	0.6	20
31	Strain-softening behaviour of sand in strain path testing under plane-strain conditions. <i>Acta Geotechnica</i> , 2008, 3, 99-114.	5.7	17
32	Constructing a BIM Climate-Based Framework: Regional Case Study in China. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	3.8	17
33	Soviet experience of underground coal gasification focusing on surface subsidence. <i>Journal of Zhejiang University: Science A</i> , 2015, 16, 839-850.	2.4	15
34	Pre-failure instability of sand under dilatancy rate controlled conditions. <i>Soils and Foundations</i> , 2015, 55, 414-424.	3.1	13
35	Shakedown for slab track substructures with stiffness variation. <i>Geotechnical Research</i> , 2018, 5, 31-38.	1.4	13
36	Subsurface settlements of shield tunneling predicted by 2D and 3D constitutive models considering non-coaxiality and soil anisotropy: a case study. <i>Canadian Geotechnical Journal</i> , 2022, 59, 424-440.	2.8	13

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37	Shear strength and compressibility behaviour of lime-treated organic clay. KSCE Journal of Civil Engineering, 2016, 20, 1721-1727.	1.9	11
38	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
39	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
40	Numerical Analysis of the Settlement Behavior of Soft Soil Improved with Stone Columns. Applied Sciences (Switzerland), 2022, 12, 5293.	2.5	11
41	Pre-Failure Instability Behavior of Sand in Strain Path Testing Under Plane-Strain Conditions. Soils and Foundations, 2011, 51, 423-435.	3.1	8
42	Numerical Analysis of Piled Embankments on Soft Soils. , 2014, , .		8
43	Strength improvement of lime-treated clay with sodium chloride. Geotechnical Research, 2017, 4, 192-202.	1.4	8
44	Shakedown of asphalt pavements considering temperature effect. International Journal of Pavement Engineering, 2022, 23, 1572-1583.	4.4	7
45	Stress-Strain Behavior of a Granular Fill Measured by a New Plane-Strain Apparatus. Geotechnical Testing Journal, 2006, 29, 149-157.	1.0	7
46	Undrained behaviour of Changi sand in triaxial and plane-strain compression. Geomechanics and Geoengineering, 2008, 3, 85-96.	1.8	6
47	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
48	Text Miningâ€‘Based Review of Articles Published in the <i>Journal of Professional Issues in Engineering Education and Practice</i>. Journal of Professional Issues in Engineering Education and Practice, 2019, 145, .	0.9	6
49	Difficulties in the determination of post-liquefaction strength for sand. Geotechnique Letters, 2014, 4, 57-61.	1.2	5
50	Sample Preparation Technique for Fiber Reinforced Cemented Soils. Procedia Engineering, 2014, 77, 140-147.	1.2	5
51	Strain softening of K0-consolidated Changi sand under plane-strain conditions. Acta Geotechnica, 2006, 1, 29-42.	5.7	4
52	Types of Flowslide Failures and Possible Failure Mechanisms. , 2008, , 244-253.		3
53	Backcalculation of pavements incorporating Grouted Macadam technology. Road Materials and Pavement Design, 2018, 19, 1372-1388.	4.0	3
54	Modelling cemented sand using DEM. , 2012, , 680-685.		3

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55	Compressibility of Changi sand in K0consolidation. Geomechanics and Engineering, 2009, 1, 241-257.	0.9	3
56	Strain Softening and Instability of Loose Sand in Plane-Strain Compression Tests. , 2010, , .		2
57	Closure to "Effect of Loading Mode on Strain Softening and Instability Behavior of Sand in Plane-Strain Tests" by J. Chu and D. Wanatowski. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 271-272.	3.0	2
58	New types of failure mechanisms for flowslide. Geomechanics and Geoengineering, 2010, 5, 3-13.	1.8	2
59	Laboratory and micromechanical investigation of soil anisotropy. Japanese Geotechnical Society Special Publication, 2016, 2, 411-416.	0.2	2
60	Centrifuge Modelling of the Collapse of Shaft Linings. , 2014, , .		1
61	Shakedown of Layered Pavements under Repeated Moving Loads. , 2014, , .		1
62	Yield criteria for glaciotectonically deformed deposits. Engineering Geology, 2018, 239, 136-143.	6.3	1
63	An assessment of the selected reinforcements of motorway pavement subgrade. , 2008, , 553-559.		1
64	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
65	Discussion of "On equivalent granular void ratio and steady state behaviour of loose sand with fines" Appears in the Canadian Geotechnical Journal, 45(10): 1439-1456.. Canadian Geotechnical Journal, 2009, 46, 482-482.	2.8	0
66	Unstable behaviour of model Jamuna micaceous sand. V. N. GEORGIANNOU (2008). Géotechnique, No. 10, 825-829. Geotechnique, 2010, 60, 307-308.	4.0	0
67	Dynamic Characteristics and Failure Mechanism of Vegetated Revetment under Cyclic Loading. Materials, 2019, 12, 716.	2.9	0
68	Back analysis of the multilayer cylindrical HMA samples " height reduction method. International Journal of Pavement Engineering, 2020, 21, 357-364.	4.4	0
69	Effect of Material Stiffness Variation on Shakedown Solutions of Soils Under Moving Loads. Sustainable Civil Infrastructures, 2019, , 73-82.	0.2	0