Wojciech PuÅ‚a

List of Publications by Year
in descending order

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25 papers	403 citations	759233 12 h-index	752698 20 g-index
26 all docs	26 docs citations	26 times ranked	216 citing authors

#	Article	IF	Citations
1	Influence of embedment, self-weight and anisotropy on bearing capacity reliability using the random finite element method. Computers and Geotechnics, 2015, 67, 229-238.	4.7	51
2	Reliability with respect to settlement limit-states of shallow foundations on linearly-deformable subsoil. Computers and Geotechnics, 2000, 26, 281-308.	4.7	49
3	3D bearing capacity probabilistic analyses of footings on spatially variable câ€“Ï† soil. Acta Geotechnica, 2020, 15, 1453-1466.	5.7	44
4	A probabilistic analysis of foundation settlements. Computers and Geotechnics, 1996, 18, 291-309.	4.7	34
5	On spatial averaging along random slip lines in the reliability computations of shallow strip foundations. Computers and Geotechnics, 2015, 68, 128-136.	4.7	33
6	INFLUENCE OF VARYING SOIL PROPERTIES ON EVALUATION OF PILE RELIABILITY UNDER LATERAL LOADS. Journal of Civil Engineering and Management, 2013, 19, 272-284.	3.5	25
7	Random bearing capacity evaluation of shallow foundations for asymmetrical failure mechanisms with spatial averaging and inclusion of soil self-weight. Computers and Geotechnics, 2018, 101, 176-195.	4.7	22
8	High dimensional model representation for reliability analyses of complex rockâ€“soil slope stability. Archives of Civil and Mechanical Engineering, 2017, 17, 954-963.	3.8	20
9	Estimation of the probability distribution of the random bearing capacity of cohesionless soil using the random finite element method. Structure and Infrastructure Engineering, 2015, 11, 707-720.	3.7	16
10	Reliability of rigid piles subjected to lateral loads. Archives of Civil and Mechanical Engineering, 2012, 12, 205-218.	3.8	15
11	Probabilistic analysis of the diaphragm wall using the hardening soil-small (HSs) model. Engineering Structures, 2021, 232, 111869.	5.3	14
12	Application of HDMR method to reliability assessment of a single pile subjected to lateral load. Studia Geotechnica Et Mechanica, 2012, 34, 37-51.	0.5	12
13	Probabilistic analysis of the stability of massive bridge abutments using simulation methods. Structural Safety, 1988, 5, 1-15.	5.3	11
14	Evaluation of shallow foundation bearing capacity in the case of a two-layered soil and spatial variability in soil strength parameters. PLoS ONE, 2020, 15, e0231992.	2.5	10
15	Reliability of diaphragm wall in serviceability limit states. Archives of Civil and Mechanical Engineering, 2015, 15, 1129-1137.	3.8	9
16	Random analysis of bearing capacity of square footing using the LAS procedure. Studia Geotechnica Et Mechanica, 2016, 38, 3-13.	0.5	8
17	A Collection of Fluctuation Scale Values and Autocorrelation Functions of Fine Deposits in Emilia Romagna Plain, Italy. , 2017, , .		8
18	On the variational solution of a limiting equilibrium problem involving an anchored wall. Computers and Geotechnics, 2005, 32, 107-121.	4.7	6

#	Article	IF	Citations
19	On Some Methods in Safety Evaluation in Geotechnics. Studia Geotechnica Et Mechanica, 2015, 37, 17-32.	0.5	5
20	Reliability Assessment of a Single Pile in Unsaturated Substrate under Climate Factors Influence. Procedia Engineering, 2014, 91, 310-316.	1.2	3
21	Calibration of characteristic values of soil properties using the random finite element method. Archives of Civil and Mechanical Engineering, 2016, 16, 112-124.	3.8	3
22	Worst-case effect in bearing capacity of spread foundations considering safety factors and anisotropy in soil spatial variability. Georisk, 2023, 17, 330-345.	3.5	2
23	Effect of partial mining of shaft protection pillar in terms of reliability index. Georisk, 2015, 9, 242-249.	3.5	1
24	Pile in the Unsaturated Cracked Substrate with Reliability Assessment based on Neural Networks. KSCE Journal of Civil Engineering, 2019, 23, 3843-3853.	1.9	1
25	RELIABILITY ASSESSMENT OF BEARING CAPACITY OF LAYERED SOILS USING HIGH DIMENSIONAL MODEL REPRESENTATION (HDMR). Studia Geotechnica Et Mechanica, 2013, 35, 233-244.	0.5	0