

Gordon A Fenton

List of Publications by Year in descending order

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34
papers

2,337
citations

623574

14
h-index

610775

24
g-index

34
all docs

34
docs citations

34
times ranked

986
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic Slope Stability Analysis by Finite Elements. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 507-518.	1.5	744
2	Simulation of Random Fields via Local Average Subdivision. Journal of Engineering Mechanics - ASCE, 1990, 116, 1733-1749.	1.6	440
3	Influence of Spatial Variability on Slope Reliability Using 2-D Random Fields. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1367-1378.	1.5	416
4	Three-Dimensional Probabilistic Foundation Settlement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 232-239.	1.5	194
5	Reliability-based geotechnical design in 2014 Canadian Highway Bridge Design Code. Canadian Geotechnical Journal, 2016, 53, 236-251.	1.4	109
6	Probabilistic Analysis of Coupled Soil Consolidation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 417-430.	1.5	82
7	Influence of Soil Strength Spatial Variability on the Stability of an Undrained Clay Slope by Finite Elements. , 2000, , 184.		65
8	Probabilistic analysis of underground pillar stability. International Journal for Numerical and Analytical Methods in Geomechanics, 2002, 26, 775-791.	1.7	35
9	Probabilistic seismic slope stability analysis and design. Canadian Geotechnical Journal, 2019, 56, 1979-1998.	1.4	33
10	Reliability-Based Transmission Line Design. IEEE Transactions on Power Delivery, 2011, 26, 596-606.	2.9	27
11	Effect of sample location on the reliability based design of pad foundations. Georisk, 2007, 1, 155-166.	2.6	23
12	Optimal geotechnical site investigations for slope design. Computers and Geotechnics, 2019, 114, 103111.	2.3	22
13	Reliability of passive earth pressure. Georisk, 2008, 2, 113-121.	2.6	17
14	Landslide hazard assessment using digital elevation models. Canadian Geotechnical Journal, 2013, 50, 620-631.	1.4	17
15	Effect of sampling plan and trend removal on residual uncertainty. Georisk, 2018, 12, 253-264.	2.6	17
16	Geotechnical resistance factors for ultimate limit state design of deep foundations in frictional soils. Canadian Geotechnical Journal, 2011, 48, 1742-1756.	1.4	14
17	Reliability of shallow foundations designed against bearing failure using LRFD. Georisk, 2007, 1, 202-215.	2.6	13
18	Geotechnical resistance factors for ultimate limit state design of deep foundations in cohesive soils. Canadian Geotechnical Journal, 2011, 48, 1729-1741.	1.4	11

#	ARTICLE	IF	CITATIONS
19	Statistical sample size for quality control programs of cement-based "solidification/stabilization". Canadian Geotechnical Journal, 2015, 52, 1620-1628.	1.4	11
20	Probabilistic considerations for the design of deep foundations against excessive differential settlement. Canadian Geotechnical Journal, 2016, 53, 1167-1175.	1.4	10
21	Consequence factors in the ultimate limit state design of shallow foundations. Canadian Geotechnical Journal, 2011, 48, 265-279.	1.4	9
22	An analytical approach to assess quality control sample sizes of cement-based "solidification/stabilization". Canadian Geotechnical Journal, 2017, 54, 419-427.	1.4	9
23	Probabilistic Analysis of Shallow Passive Trapdoor in Cohesive Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	1.5	8
24	Future Directions in Reliability-Based Geotechnical Design. , 2017, , .		3
25	Calibration of resistance factors for geotechnical seismic design. Canadian Geotechnical Journal, 2019, 56, 1134-1141.	1.4	3
26	Seismic reliability of axially loaded vertical piles. Canadian Geotechnical Journal, 2020, 57, 1805-1819.	1.4	3
27	Load and resistance factor design versus reliability-based design of shallow foundations. Georisk, 0, , 1-10.	2.6	1
28	Calibration of resistance factors for gravity retaining walls. Georisk, 0, , 1-9.	2.6	1
29	Closure to "Probabilistic Analysis of Coupled Soil Consolidation" by Jinsong Huang, D. V. Griffiths, and Gordon A. Fenton. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 858-860.	1.5	0
30	The Influence of Random Confining Layer Thickness on Levee Seepage Analysis. , 2016, , .		0
31	Reply to the discussion by Huang on "Probabilistic seismic slope stability analysis and design". Canadian Geotechnical Journal, 2020, 57, 1102-1102.	1.4	0
32	Quantifying hydraulic conductivity spatial variability for cement-based solidification/stabilization (S/S) remediation project: case study. Canadian Geotechnical Journal, 2021, 58, 155-164.	1.4	0
33	Parallelized finite element modelling of unreinforced concrete masonry infills bounded by RC frames. Canadian Journal of Civil Engineering, 0, , .	0.7	0
34	Assessing Piping Risks by Finite Elements. , 2022, , .		0