

# 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  | Assessing Piping Risks by Finite Elements. , 2022, , .  |     | 0         |
| 2  | 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         |
| 3  | Seismic reliability of axially loaded vertical piles. Canadian Geotechnical Journal, 2020, 57, 1805-1819.   | 1.4 | 3         |
| 4  | Reply to the discussion by Huang on "Probabilistic seismic slope stability analysis and design". Canadian Geotechnical Journal, 2020, 57, 1102-1102.  | 1.4 | 0         |
| 5  | Optimal geotechnical site investigations for slope design. Computers and Geotechnics, 2019, 114, 103111.  | 2.3 | 22        |
| 6  | Probabilistic seismic slope stability analysis and design. Canadian Geotechnical Journal, 2019, 56, 1979-1998.  | 1.4 | 33        |
| 7  | Probabilistic Analysis of Shallow Passive Trapdoor in Cohesive Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .  | 1.5 | 8         |
| 8  | Calibration of resistance factors for geotechnical seismic design. Canadian Geotechnical Journal, 2019, 56, 1134-1141.  | 1.4 | 3         |
| 9  | Effect of sampling plan and trend removal on residual uncertainty. Georisk, 2018, 12, 253-264.  | 2.6 | 17        |
| 10 | Future Directions in Reliability-Based Geotechnical Design. , 2017, , .   |     | 3         |
| 11 | An analytical approach to assess quality control sample sizes of cement-based "solidification/stabilization". Canadian Geotechnical Journal, 2017, 54, 419-427.                               | 1.4 | 9         |
| 12 | The Influence of Random Confining Layer Thickness on Levee Seepage Analysis. , 2016, , .  |     | 0         |
| 13 | Probabilistic considerations for the design of deep foundations against excessive differential settlement. Canadian Geotechnical Journal, 2016, 53, 1167-1175.                                | 1.4 | 10        |
| 14 | Reliability-based geotechnical design in 2014 Canadian Highway Bridge Design Code. Canadian Geotechnical Journal, 2016, 53, 236-251.  | 1.4 | 109       |
| 15 | Statistical sample size for quality control programs of cement-based "solidification/stabilization". Canadian Geotechnical Journal, 2015, 52, 1620-1628.                                      | 1.4 | 11        |
| 16 | Landslide hazard assessment using digital elevation models. Canadian Geotechnical Journal, 2013, 50, 620-631.   | 1.4 | 17        |
| 17 | Geotechnical resistance factors for ultimate limit state design of deep foundations in cohesive soils. Canadian Geotechnical Journal, 2011, 48, 1729-1741.                                    | 1.4 | 11        |
| 18 | Consequence factors in the ultimate limit state design of shallow foundations. Canadian Geotechnical Journal, 2011, 48, 265-279.  | 1.4 | 9         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Reliability-Based Transmission Line Design. IEEE Transactions on Power Delivery, 2011, 26, 596-606.   | 2.9 | 27        |
| 20 | Geotechnical resistance factors for ultimate limit state design of deep foundations in frictional soils. Canadian Geotechnical Journal, 2011, 48, 1742-1756.  | 1.4 | 14        |
| 21 | 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         |
| 22 | Probabilistic Analysis of Coupled Soil Consolidation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 417-430.  | 1.5 | 82        |
| 23 | 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       |
| 24 | Reliability of passive earth pressure. Georisk, 2008, 2, 113-121.   | 2.6 | 17        |
| 25 | Effect of sample location on the reliability based design of pad foundations. Georisk, 2007, 1, 155-166.  | 2.6 | 23        |
| 26 | Reliability of shallow foundations designed against bearing failure using LRFD. Georisk, 2007, 1, 202-215.  | 2.6 | 13        |
| 27 | Three-Dimensional Probabilistic Foundation Settlement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 232-239.   | 1.5 | 194       |
| 28 | Probabilistic Slope Stability Analysis by Finite Elements. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 507-518.   | 1.5 | 744       |
| 29 | Probabilistic analysis of underground pillar stability. International Journal for Numerical and Analytical Methods in Geomechanics, 2002, 26, 775-791.  | 1.7 | 35        |
| 30 | Influence of Soil Strength Spatial Variability on the Stability of an Undrained Clay Slope by Finite Elements. , 2000, , 184.   |     | 65        |
| 31 | Simulation of Random Fields via Local Average Subdivision. Journal of Engineering Mechanics - ASCE, 1990, 116, 1733-1749.   | 1.6 | 440       |
| 32 | Parallelized finite element modelling of unreinforced concrete masonry infills bounded by RC frames. Canadian Journal of Civil Engineering, 0, , .  | 0.7 | 0         |
| 33 | Load and resistance factor design versus reliability-based design of shallow foundations. Georisk, 0, , 1-10.   | 2.6 | 1         |
| 34 | Calibration of resistance factors for gravity retaining walls. Georisk, 0, , 1-9.   | 2.6 | 1         |