Bryan A Mccabe

List of Publications by Year
in descending order

52	914	17	28
papers	citations	h-index	g-index
		471371	501076

52	52	52	553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Instrumented concrete pile tests â€“ part 1: a review of instrumentation and procedures. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2022, 175, 86-111.	0.9	5
2	Effect of pH on the mechanical performances of cement/slag-stabilized marine sediments: Experimental and analytical constitutive modelling. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	1.6	1
3	Discussion of â€œExperimental Study on the Pipe-Soil Interface under the Influence of Pipe Jacking Stagnation Timeâ€•by Tianliang Lia, Wen Zhaoa, Run Liua, Jianyong Hana and Cheng Chenga. KSCE Journal of Civil Engineering, 2022, 26, 3663-3664.	0.9	1
4	Discussion: Creep improvement factors for vibro-replacement design. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2021, 174, 59-60.	0.7	2
5	A Pleistocene deposit preserved in deep karst at Coolough, County Galway, western Ireland. Geological Journal, 2021, 56, 1897-1910.	0.6	1
6	Applicability of CPT Capacity Prediction Methods to Driven Cast-In-Situ Piles in Granular Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	1.5	3
7	Driven cast-in-situ pile capacity: insights from dynamic and static load testing. Canadian Geotechnical Journal, 2021, 58, 1870-1883.	1.4	2
8	Interpretation of pipe-jacking and lubrication records for drives in silty soil. Underground Space (China), 2020, 5, 199-209.	3.4	21
9	Stabilisation for peat improvement: Extent of carbonation and environmental implications. Journal of Cleaner Production, 2020, 271, 122540.	4.6	2
10	Dredged marine sediments stabilized/solidified with cement and GGBS: Factors affecting mechanical behaviour and leachability. Science of the Total Environment, 2020, 733, 138551.	3.9	55
11	Discussion: Machine learning to inform tunnelling operations: recent advances and future trends. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 2020, 173, 180-181.	1.1	8
12	Pile groups under axial loading: an appraisal of simplified non-linear prediction models. Geotechnique, 2019, 69, 565-579.	2.2	24
13	Evidence of Stabilized Peat as a Net Carbon Sink. Journal of Materials in Civil Engineering, 2019, 31, 04019005.	1.3	3
14	Discussion of â€œStatistics of model factors in reliability-based design of axially loaded driven piles in sandâ€• Canadian Geotechnical Journal, 2019, 56, 144-147.	1.4	2
15	Driven cast-in-situ piles installed using hydraulic hammers: Installation energy transfer and driveability assessment. Soils and Foundations, 2019, 59, 1946-1959.	1.3	4
16	Unsaturated behaviour of a stabilized marine sediment: A comparison of cement and GGBS binders. Engineering Geology, 2018, 246, 57-68.	2.9	27
17	Experiences of flipped learning in a civil engineering module. Irish Journal of Technology Enhanced Learning, 2018, 4, 1.	0.6	0
18	Biaxial Loading of Offshore Monopiles: Numerical Modeling. International Journal of Geomechanics, 2017, 17, .	1.3	15

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19	Strength verification of stabilized soilâ€"cement columns: a laboratory investigation of the push-in resistance test (PIRT). Canadian Geotechnical Journal, 2017, 54, 789-805.	1.4	9
20	Creep improvement factors for vibro-replacement design. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2017, 170, 35-56.	0.7	11
21	Laboratory foundation model with pyrite-bearing mudstone fill. International Journal of Physical Modelling in Geotechnics, 2017, 17, 204-219.	0.5	3
22	Discussion: Settlement of floor slabs on stone columns in very soft clays. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2017, 170, 474-475.	0.9	3
23	Small Stone-Column Groups: Mechanisms of Deformation at Serviceability Limit State. International Journal of Geomechanics, 2017, 17, .	1.3	14
24	The Use of Carbonation Depth Techniques on Stabilized Peat. Geotechnical Testing Journal, 2017, 40, 1083-1100.	0.5	4
25	Discussion: Empirical correlations for the compression index of Irish soft soils. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2016, 169, 90-92.	0.9	1
26	Reply to discussion by Zhang, Feng, Lie and Zhang on â€œAn analytical approach for the prediction of single pile and pile group behaviour in clayâ€•by Brian B. Sheil, and Bryan A. McCabe [Comput. Geotech. 75 (2016) 145â€"158]. Computers and Geotechnics, 2016, 80, 349-350.	2.3	1
27	Stone column settlement performance in structured anisotropic clays: the influence of creep. Journal of Rock Mechanics and Geotechnical Engineering, 2016, 8, 672-688.	3.7	28
28	Experiences of utility microtunnelling in Irish limestone, mudstone and sandstone rock. Tunnelling and Underground Space Technology, 2016, 51, 326-337.	3.0	20
29	Stone column effectiveness in soils with creep: a numerical study. Geomechanics and Geoengineering, 2016, 11, 252-269.	0.9	14
30	An analytical approach for the prediction of single pile and pile group behaviour in clay. Computers and Geotechnics, 2016, 75, 145-158.	2.3	38
31	Shaft resistance of driven cast-in-situ piles in sand. Canadian Geotechnical Journal, 2016, 53, 49-59.	1.4	18
32	A practical approach for the consideration of single pile and pile group installation effects in clay: Numerical modelling. Journal of Geo-Engineering Sciences, 2015, 2, 119-142.	0.3	4
33	Numerical modelling of pile foundation angular distortion. Soils and Foundations, 2015, 55, 614-625.	1.3	11
34	Pyritiferous mudstoneâ€"siltstone: expansion rate measurement and prediction. Quarterly Journal of Engineering Geology and Hydrogeology, 2015, 48, 41-54.	0.8	8
35	An embodied carbon and embodied energy appraisal of a section of Irish motorway constructed in peatlands. Construction and Building Materials, 2015, 79, 402-419.	3.2	9
36	Modeling stone column installation in an elasto-viscoplastic soil. International Journal of Geotechnical Engineering, 2015, 9, 500-512.	1.1	15

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37	Pile Group Settlement Estimation: Suitability of Nonlinear Interaction Factors. International Journal of Geomechanics, 2015, 15, .	1.3	20
38	Appraising stone column settlement prediction methods using finite element analyses. Acta Geotechnica, 2014, 9, 993-1011.	2.9	27
39	Empirical correlations for the compression index of Irish soft soils. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2014, 167, 510-517.	0.9	21
40	A finite elementâ€“based approach for predictions of rigid pile group stiffness efficiency in clays. Acta Geotechnica, 2014, 9, 469-484.	2.9	26
41	Settlement performance of pad footings on soft clay supported by stone columns: A numerical study. Soils and Foundations, 2014, 54, 760-776.	1.3	51
42	Discussion: Ground heave induced by installing stone columns in clay soils. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2014, 167, 598-599.	0.9	1
43	Numerical modelling of the improvements to primary and creep settlements offered by granular columns. Acta Geotechnica, 2013, 8, 447-464.	2.9	29
44	A laboratory study of the expansion of an Irish pyritic mudstone/siltstone fill material. Engineering Geology, 2013, 152, 194-201.	2.9	13
45	Operational Coefficient of Consolidation Around a Pile Group Driven in Clay/Silt. Geotechnical and Geological Engineering, 2013, 31, 183-197.	0.8	0
46	Ground heave induced by installing stone columns in clay soils. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2013, 166, 589-593.	0.9	13
47	Experiences of dry soil mixing in highly organic soils. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2012, 165, 3-14.	0.7	31
48	Field investigation of the effect of installation method on the shaft resistance of piles in clay. Canadian Geotechnical Journal, 2010, 47, 730-741.	1.4	19
49	A review of field performance of stone columns in soft soils. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2009, 162, 323-334.	0.9	93
50	Prediction of pile settlement using artificial neural networks based on standard penetration test data. Computers and Geotechnics, 2009, 36, 1125-1133.	2.3	99
51	Behavior of Axially Loaded Pile Groups Driven in Clayey Silt. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 401-410.	1.5	81
52	Instrumented Concrete Pile Tests â€“ Part 2: Strain Interpretation. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 0, , 1-60.	0.9	3