Michael John Z Brown

List of Publications by Year
in descending order

16	620	1163117 8	794594 19
papers	citations	h-index	g-index

25	25	25	695
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessment of Corneal Biomechanical Properties and Their Variation with Age. Current Eye Research, 2007, 32, 11-19.	1.5	336
2	Experimental Assessment of Corneal Anisotropy. Journal of Refractive Surgery, 2008, 24, 178-187.	2.3	78
3	Evaluation of Goldmann Applanation Tonometry Using a Nonlinear Finite Element Ocular Model. Annals of Biomedical Engineering, 2006, 34, 1628-1640.	2.5	58
4	Imposition of essential boundary conditions in the material point method. International Journal for Numerical Methods in Engineering, 2018, 113, 130-152.	2.8	42
5	Physical modelling to demonstrate the feasibility of screw piles for offshore jacket-supported wind energy structures. Geotechnique, 2022, 72, 108-126.	4.0	23
6	Chalkâ€“steel interface testing for marine energy foundations. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2017, 170, 285-298.	1.6	13
7	Pipeline plough performance in sand waves. PartÂ1: model testing. Canadian Geotechnical Journal, 2010, 47, 49-64.	2.8	11
8	Modelling Screwpile Installation Using the MPM. Procedia Engineering, 2017, 175, 124-132.	1.2	10
9	Control of screw pile installation to optimise performance for offshore energy applications. Geotechnique, 2023, 73, 234-249.	4.0	10
10	Assessing single-helix screw pile geometry on offshore installation and axial capacity. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2021, 174, 512-529.	1.6	9
11	Centrifuge testing to verify scaling of offshore pipeline ploughs. International Journal of Physical Modelling in Geotechnics, 2019, 19, 305-317.	0.6	7
12	Modelling Seabed Ploughing Using the Material Point Method. Procedia Engineering, 2017, 175, 1-7.	1.2	3
13	Understanding rockâ€“steel interface properties for use in offshore applications. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2023, 176, 27-41.	1.6	3
14	Optimised screw pile design for offshore jacket foundations in mediumâ€“dense sand. Geotechnique Letters, 2022, 12, 114-119.	1.2	3
15	Using discrete-element method hindcasting of screw pile performance for practical design. Geotechnique Letters, 2021, 11, 1-7.	1.2	2
16	Design of plate and screw anchors in dense sand: failure mechanism, capacity and deformation. E3S Web of Conferences, 2019, 92, 16010.	0.5	1