

Subhamoy Bhattacharya

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161
papers

3,129
citations

32
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51
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168
ext. papers

3,803
ext. citations

2.6
avg, IF

6
L-index

#	Paper	IF	Citations
161	Dynamic soil-structure interaction of monopile supported wind turbines in cohesive soil. <i>Soil Dynamics and Earthquake Engineering</i> , 2013 , 49, 165-180	3.5	197
160	Design of monopiles for offshore wind turbines in 10 steps. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 92, 126-152	3.5	152
159	Liquefaction of soil in the Tokyo Bay area from the 2011 Tohoku (Japan) earthquake. <i>Soil Dynamics and Earthquake Engineering</i> , 2011 , 31, 1618-1628	3.5	117
158	Observed dynamic soil-structure interaction in scale testing of offshore wind turbine foundations. <i>Soil Dynamics and Earthquake Engineering</i> , 2013 , 54, 47-60	3.5	114
157	Closed form solution of Eigen frequency of monopile supported offshore wind turbines in deeper waters incorporating stiffness of substructure and SSI. <i>Soil Dynamics and Earthquake Engineering</i> , 2016 , 83, 18-32	3.5	103
156	Dynamic Analysis of Wind Turbine Towers on Flexible Foundations. <i>Shock and Vibration</i> , 2012 , 19, 37-56	1.1	99
155	Experimental validation of soil-structure interaction of offshore wind turbines. <i>Soil Dynamics and Earthquake Engineering</i> , 2011 , 31, 805-816	3.5	98
154	An alternative mechanism of pile failure in liquefiable deposits during earthquakes. <i>Geotechnique</i> , 2004 , 54, 203-213	3.4	79
153	Vibrations of wind-turbines considering soil-structure interaction. <i>Wind and Structures, an International Journal</i> , 2011 , 14, 85-112		79
152	A critical review of retrofitting methods for unreinforced masonry structures. <i>International Journal of Disaster Risk Reduction</i> , 2014 , 7, 51-67	4.5	77
151	Similitude relationships for physical modelling of monopile-supported offshore wind turbines. <i>International Journal of Physical Modelling in Geotechnics</i> , 2011 , 11, 58-68	1	75
150	Dynamics of offshore wind turbines supported on two foundations. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2013 , 166, 159-169	0.9	71
149	Seismic performance assessment of monopile-supported offshore wind turbines using unscaled natural earthquake records. <i>Soil Dynamics and Earthquake Engineering</i> , 2018 , 109, 154-172	3.5	66
148	Simplified critical mudline bending moment spectra of offshore wind turbine support structures. <i>Wind Energy</i> , 2015 , 18, 2171-2197	3.4	57
147	Dynamic response of a geotechnical rigid model container with absorbing boundaries. <i>Soil Dynamics and Earthquake Engineering</i> , 2015 , 69, 46-56	3.5	57
146	Bending-Buckling interaction as a failure mechanism of piles in liquefiable soils. <i>Soil Dynamics and Earthquake Engineering</i> , 2010 , 30, 32-39	3.5	57
145	An analytical model to predict the natural frequency of offshore wind turbines on three-spring flexible foundations using two different beam models. <i>Soil Dynamics and Earthquake Engineering</i> , 2015 , 74, 40-45	3.5	52

144	Modal analysis of pile-supported structures during seismic liquefaction. <i>Earthquake Engineering and Structural Dynamics</i> , 2014 , 43, 119-138	4	52
143	A case study of damages of the Kandla Port and Customs Office tower supported on a mat pile foundation in liquefied soils under the 2001 Bhuj earthquake. <i>Soil Dynamics and Earthquake Engineering</i> , 2009 , 29, 333-346	3.5	49
142	Dynamic stiffness of monopiles supporting offshore wind turbine generators. <i>Soil Dynamics and Earthquake Engineering</i> , 2016 , 88, 15-32	3.5	46
141	A critical review of methods for pile design in seismically liquefiable soils. <i>Bulletin of Earthquake Engineering</i> , 2008 , 6, 407-446	3.7	43
140	Site-specific earthquake response study for hazard assessment in Kolkata city, India. <i>Natural Hazards</i> , 2012 , 61, 943-965	3	40
139	Centrifuge study on the cyclic performance of caissons in sand. <i>International Journal of Physical Modelling in Geotechnics</i> , 2014 , 14, 99-115	1	38
138	A practical method for construction of p-y curves for liquefiable soils. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 97, 478-481	3.5	37
137	Long-term dynamic behavior of monopile supported offshore wind turbines in sand. <i>Theoretical and Applied Mechanics Letters</i> , 2015 , 5, 80-84	1.8	37
136	Evaluation of seismic performance of pile-supported models in liquefiable soils. <i>Earthquake Engineering and Structural Dynamics</i> , 2016 , 45, 1019-1038	4	37
135	Dynamic stiffness of pile in a layered elastic continuum. <i>Geotechnique</i> , 2014 , 64, 303-319	3.4	36
134	A RECONSIDERATION OF THE SAFETY OF PILED BRIDGE FOUNDATIONS IN LIQUEFIABLE SOILS. <i>Soils and Foundations</i> , 2005 , 45, 13-25		36
133	Undrained behaviour of two silica sands and practical implications for modelling SSI in liquefiable soils. <i>Soil Dynamics and Earthquake Engineering</i> , 2014 , 66, 293-304	3.5	35
132	Challenges in Design of Foundations for Offshore Wind Turbines. <i>Engineering & Technology Reference</i> , 2014 ,		34
131	Construction of simplified design p-y curves for liquefied soils. <i>Geotechnique</i> , 2017 , 67, 216-227	3.4	33
130	Winkler Springs (p-y curves) for pile design from stress-strain of soils: FE assessment of scaling coefficients using the Mobilized Strength Design concept. <i>Geomechanics and Engineering</i> , 2013 , 5, 379-399		32
129	Probabilistic buckling analysis of axially loaded piles in liquefiable soils. <i>Soil Dynamics and Earthquake Engineering</i> , 2013 , 45, 13-24	3.5	31
128	Model Container Design for Soil-Structure Interaction Studies. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2012 , 135-158	0.2	31
127	A simplified method for unified buckling and free vibration analysis of pile-supported structures in seismically liquefiable soils. <i>Soil Dynamics and Earthquake Engineering</i> , 2009 , 29, 1220-1235	3.5	31

126	Experimental and numerical modelling of buried pipelines crossing reverse faults. <i>Soil Dynamics and Earthquake Engineering</i> , 2018 , 114, 198-214	3.5	30
125	Economic MEMS based 3-axis water proof accelerometer for dynamic geo-engineering applications. <i>Soil Dynamics and Earthquake Engineering</i> , 2012 , 36, 111-118	3.5	30
124	An innovative cyclic loading device to study long term performance of offshore wind turbines. <i>Soil Dynamics and Earthquake Engineering</i> , 2016 , 82, 154-160	3.5	29
123	Collapse of Showa Bridge during 1964 Niigata earthquake: A quantitative reappraisal on the failure mechanisms. <i>Soil Dynamics and Earthquake Engineering</i> , 2014 , 65, 55-71	3.5	27
122	Dynamic soil properties for seismic ground response studies in Northeastern India. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 100, 357-370	3.5	27
121	2019 ,		26
120	Fatigue life simulation of functionally graded materials under cyclic thermal load using XFEM. <i>International Journal of Mechanical Sciences</i> , 2014 , 82, 41-59	5.5	25
119	Model Tests on the Long-Term Dynamic Performance of Offshore Wind Turbines Founded on Monopiles in Sand. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2015 , 137,	1.5	25
118	A method to predict the cyclic loading profiles (one-way or two-way) for monopile supported offshore wind turbines. <i>Marine Structures</i> , 2019 , 63, 65-83	3.8	25
117	Effect of initial relative density on the post-liquefaction behaviour of sand. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 97, 25-36	3.5	23
116	CPT-based probabilistic evaluation of seismic soil liquefaction potential using multi-gene genetic programming. <i>Georisk</i> , 2014 , 8, 14-28	1.9	23
115	Predicting long term performance of offshore wind turbines using cyclic simple shear apparatus. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 92, 678-683	3.5	23
114	Use of offshore wind farms to increase seismic resilience of Nuclear Power Plants. <i>Soil Dynamics and Earthquake Engineering</i> , 2016 , 80, 65-68	3.5	20
113	Long term effect of operating loads on large monopile-supported offshore wind turbines in sand. <i>Ocean Engineering</i> , 2022 , 245, 110404	3.9	20
112	Geotechnical and infrastructural damage due to the 2016 Kumamoto earthquake sequence. <i>Soil Dynamics and Earthquake Engineering</i> , 2018 , 104, 390-394	3.5	20
111	Liquefaction of soil in the Emilia-Romagna region after the 2012 Northern Italy earthquake sequence. <i>Natural Hazards</i> , 2014 , 73, 1749-1770	3	19
110	Scenario based seismic re-qualification of caisson supported major bridges – A case study of Saraighat Bridge. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 100, 270-275	3.5	18
109	Impedance functions for rigid skirted caissons supporting offshore wind turbines. <i>Ocean Engineering</i> , 2018 , 150, 21-35	3.9	18

108	Closed form solution for the first natural frequency of offshore wind turbine jackets supported on multiple foundations incorporating soil-structure interaction. <i>Soil Dynamics and Earthquake Engineering</i> , 2018 , 113, 593-613	3.5	17
107	Dynamic design considerations for offshore wind turbine jackets supported on multiple foundations. <i>Marine Structures</i> , 2019 , 67, 102631	3.8	16
106	Simplified load estimation and sizing of suction anchors for spar buoy type floating offshore wind turbines. <i>Ocean Engineering</i> , 2018 , 159, 348-357	3.9	16
105	Assessment of natural frequency of installed offshore wind turbines using nonlinear finite element model considering soil-monopile interaction. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2018 , 10, 333-346	5.3	16
104	Obtaining Spectrum Matching Time Series Using a Reweighted Volterra Series Algorithm (RVSA). <i>Bulletin of the Seismological Society of America</i> , 2014 , 104, 1663-1673	2.3	15
103	Proposed mechanism for mid-span failure of pile supported river bridges during seismic liquefaction. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 102, 41-45	3.5	14
102	Seismic Requalification of Pile Foundations in Liquefiable Soils 2014 , 44, 183-195		14
101	Dynamic Instability of Pile-Supported Structures in Liquefiable Soils during Earthquakes. <i>Shock and Vibration</i> , 2008 , 15, 665-685	1.1	14
100	Static impedance functions for monopiles supporting offshore wind turbines in nonhomogeneous soils-emphasis on soil/monopile interface characteristics. <i>Earthquake and Structures</i> , 2016 , 10, 1143-1179		14
99	Dynamic soil properties and liquefaction potential of northeast Indian soil for non-linear effective stress analysis. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 2899-2933	3.7	13
98	Earthquake Response Analysis of Sites in State of Haryana using DEEPSOIL Software. <i>Procedia Computer Science</i> , 2018 , 125, 357-366	1.6	13
97	Seismic retrofitting of non-engineered masonry in rural Nepal. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2012 , 165, 273-286	0.9	13
96	Soil-monopile interactions for offshore wind turbines. <i>Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics</i> , 2016 , 169, 171-182	0.3	13
95	Minimum foundation size and spacing for jacket supported offshore wind turbines considering dynamic design criteria. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 123, 193-204	3.5	12
94	Seismic behaviour of rocking bridge pier supported by elastomeric pads on pile foundation. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 124, 98-120	3.5	11
93	Observed increases in offshore pile driving resistance. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2009 , 162, 71-80	0.9	11
92	Experimental and Field Performance of PP Band Retrofitted Masonry: Evaluation of Seismic Behavior. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04018086	2	11
91	Physical Modelling of Offshore Wind Turbine Foundations for TRL (Technology Readiness Level) Studies. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 589	2.4	10

90	Seismic Design of Offshore Wind Turbines: Good, Bad and Unknowns. <i>Energies</i> , 2021 , 14, 3496	3.1	10
89	Support condition monitoring of offshore wind turbines using model updating techniques. <i>Structural Health Monitoring</i> , 2020 , 19, 1017-1031	4.4	10
88	A Critical Review of Serviceability Limit State Requirements for Monopile Foundations of Offshore Wind Turbines 2015 ,		9
87	Buckling and bending response of slender piles in liquefiable soils during earthquakes. <i>Geomechanics and Geoengineering</i> , 2008 , 3, 129-143	1.4	9
86	Choice of aggregates for permeable pavements based on laboratory tests and DEM simulations. <i>International Journal of Pavement Engineering</i> , 2017 , 18, 160-168	2.6	8
85	Seismic Requalification of Geotechnical Structures 2014 , 44, 113-118		8
84	An alternative mechanism of pile failure in liquefiable deposits during earthquakes. <i>Geotechnique</i> , 2004 , 54, 203-213	3.4	8
83	Concept design of jacket foundations for offshore wind turbines in 10 steps. <i>Soil Dynamics and Earthquake Engineering</i> , 2020 , 139, 106357	3.5	8
82	Dynamic soil properties and seismic ground response analysis for North Indian seismic belt subjected to the great Himalayan earthquakes. <i>Natural Hazards</i> , 2020 , 103, 447-478	3	7
81	Monopile head stiffness for serviceability limit state calculations in assessing the natural frequency of offshore wind turbines. <i>International Journal of Geotechnical Engineering</i> , 2018 , 12, 267-283	1.5	7
80	Wind power: A sustainable way to limit climate change 2019 , 333-364		7
79	Identification of transient vibration characteristics of pile-group models during liquefaction using wavelet transform. <i>Engineering Structures</i> , 2018 , 171, 712-729	4.7	7
78	Civil Engineering Aspects of a Wind Farm and Wind Turbine Structures 2017 , 221-242		6
77	Civil Engineering Challenges Associated With Design of Offshore Wind Turbines With Special Reference to China 2017 , 243-273		6
76	Practical Method to Estimate Foundation Stiffness for Design of Offshore Wind Turbines 2017 , 329-352		6
75	Serviceability of suction caisson founded offshore structures. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2017 , 170, 273-284	0.9	6
74	Dynamic testing of free field response in stratified granular deposits. <i>Soil Dynamics and Earthquake Engineering</i> , 2016 , 84, 157-168	3.5	6
73	Macro- and micro-mechanics of granular soil in asymmetric cyclic loadings encountered by offshore wind turbine foundations. <i>Granular Matter</i> , 2019 , 21, 1	2.6	5

72	Characteristics of Flow Failures Triggered by Recent Earthquakes in China 2014 , 44, 218-224		5
71	Learning from collapse of piles in liquefiable soils. <i>Proceedings of the Institution of Civil Engineers: Civil Engineering</i> , 2008 , 161, 54-60	0.4	5
70	Physical modeling of interaction problems in geotechnical engineering 2021 , 205-256		5
69	Load utilisation (LU) ratio of monopiles supporting offshore wind turbines: Formulation and examples from European Wind Farms. <i>Ocean Engineering</i> , 2022 , 248, 110798	3.9	5
68	Closed-form stiffnesses of multi-bucket foundations for OWT including group effect correction factors. <i>Marine Structures</i> , 2019 , 65, 326-342	3.8	4
67	Seismic analysis of pile in liquefiable soil and plastic hinge. <i>Geotechnical Research</i> , 2017 , 4, 203-213	1.2	4
66	Numerical simulation of crack propagation under fatigue loading in piezoelectric material using extended finite element method. <i>International Journal of Computational Materials Science and Engineering</i> , 2015 , 04, 1550025	0.3	4
65	On the seismic analysis and design of offshore wind turbines. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 145, 106692	3.5	4
64	Estimation of the critical buckling load of pile foundations during soil liquefaction. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 146, 106761	3.5	4
63	Design of monopiles for offshore and nearshore wind turbines in seismically liquefiable soils: Methodology and validation. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 157, 107252	3.5	4
62	Case Studies of Liquefaction-Induced Damages to Two Pile-Supported River Bridges in China. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04019051	2	3
61	Support Vector Classifiers for Prediction of Pile Foundation Performance in Liquefied Ground During Earthquakes. <i>International Journal of Geotechnical Earthquake Engineering</i> , 2012 , 3, 42-59	0.2	3
60	A shake table investigation of dynamic behavior of pile supported bridges in liquefiable soil deposits. <i>Earthquake Engineering and Engineering Vibration</i> , 2021 , 20, 1-24	2	3
59	Physical Modeling of Offshore Wind Turbine Model for Prediction of Prototype Response 2017 , 353-374		2
58	On the Use of Scaled Model Tests for Analysis and Design of Offshore Wind Turbines. <i>Developments in Geotechnical Engineering</i> , 2018 , 107-129	0.4	2
57	Lateral Behavior of Pile Foundations during Partial Liquefaction 2018 ,		2
56	Micromechanics of soil responses in cyclic simple shear tests. <i>EPJ Web of Conferences</i> , 2017 , 140, 02008	0.3	2
55	Accuracy of Frequency Domain Fatigue Damage Estimation Methods for Offshore Wind Turbine Support Structures 2014 ,		2

54	Experimental and Analytical Study of Seismic Soil-Pile-Structure Interaction in Layered Soil Half-Space. <i>Journal of Earthquake Engineering</i> , 2014 , 18, 655-673	1.8	2
53	Experimental Assessment of Seismic Pile-Soil Interaction. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2014 , 455-475	0.2	2
52	Experimental Investigation of Dynamic Behavior of Cantilever Retaining Walls. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2014 , 477-493	0.2	2
51	Soil-Structure Interactions for Offshore Wind Turbines. <i>Engineering & Technology Reference</i> , 2012 , 1,		2
50	Comparative Modal Analysis of Monopile and Jacket Supported Offshore Wind Turbines including Soil-Structure Interaction. <i>International Journal of Structural Stability and Dynamics</i> , 2020 , 20, 2042016	1.9	2
49	A general frequency adaptive framework for damped response analysis of wind turbines. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 143, 106605	3.5	2
48	Methane hydrate as a new energy 2019 , 239-264		2
47	Simple approach for including foundation-soil interaction in the static stiffnesses of multi-element shallow foundations. <i>Geotechnique</i> , 2021 , 1-14	3.4	2
46	Behaviour of buried continuous pipelines crossing strike-slip faults: Experimental and numerical study. <i>Journal of Natural Gas Science and Engineering</i> , 2021 , 92, 103980	4.6	2
45	A Study on the Laterally Loaded Pile Behaviour in Liquefied Soil Using P-Y Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 471, 042015	0.4	1
44	Simplified Methodology for Stiffness Estimation of Double D Shaped Caisson Foundations. <i>Sustainable Civil Infrastructures</i> , 2019 , 49-62	0.2	1
43	Seismic Design of Piles in Liquefiable Soils. <i>Springer Geology</i> , 2013 , 31-44	0.8	1
42	Discussion: Soil-monopile interactions for offshore wind turbines. <i>Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics</i> , 2017 , 170, 174-176	0.3	1
41	Impedance Functions for Double-D-Shaped Caisson Foundations. <i>Journal of Testing and Evaluation</i> , 2019 , 47, 20180075	1	1
40	Buckling analysis of pile foundation in liquefiable soil deposit with sandwiched non-liquefiable layer. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 154, 107133	3.5	1
39	Scaling Factor for Generating P-Y Curves for Liquefied Soil from Its Stress-Strain Behavior. <i>Sustainable Civil Infrastructures</i> , 2019 , 156-168	0.2	1
38	Reasons for Mid-Span Failure of Pile Supported Bridges in Case of Subsurface Liquefaction. <i>Sustainable Civil Infrastructures</i> , 2019 , 148-164	0.2	1
37	Dynamic SSI of Monopile-Supported Offshore Wind Turbines. <i>Developments in Geotechnical Engineering</i> , 2019 , 113-123	0.4	1

36	Use of instability curves for the assessment of post-liquefaction stability and deformation of sloping grounds. <i>Engineering Geology</i> , 2020 , 265, 105347	6	1
35	Rocking isolation of bridge pier using shape memory alloy. <i>Bridge Structures</i> , 2021 , 16, 85-103	0.7	1
34	Hazard considerations in the vulnerability assessment of offshore wind farms in seismic zones		1
33	A Compendium of Formulae for Natural Frequencies of Offshore Wind Turbine Structures. <i>Energies</i> , 2022 , 15, 2967	3.1	1
32	Numerical Methods for SSI Analysis of Offshore Wind Turbine Foundations 2017 , 275-297		0
31	Seismic risk management of piles in liquefiable soils stabilised with cementation or lattice structures. <i>Geotechnical Research</i> , 2019 , 6, 130-143	1.2	0
30	Comment on Seibert, M.K.; Rees, W.E. Through the Eye of a Needle: An Eco-Heterodox Perspective on the Renewable Energy Transition. <i>Energies</i> 2021, 14, 4508. <i>Energies</i> , 2022 , 15, 971	3.1	0
29	A survey of damage observed in Izmir due to 2020 Samos-Izmir earthquake. <i>Natural Hazards</i> ,1	3	0
28	Application of controlled-rocking isolation with shape memory alloys for an overpass bridge. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 149, 106827	3.5	0
27	Numerical models in geotechnics including soil-structure interaction 2021 , 429-472		0
26	Usage of Tyre Derived Aggregates as backfill around buried pipelines crossing strike-slip faults; model tests. <i>Bulletin of Earthquake Engineering</i> ,1	3.7	0
25	Predicting tilting of monopile supported wind turbines during seismic liquefaction. <i>Ocean Engineering</i> , 2022 , 252, 111145	3.9	0
24	Experimental investigation of transient bending moment of piles during seismic liquefaction. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 157, 107251	3.5	0
23	Introduction to earthquake geotechnical engineering in relation to foundation design 2019 , 1-32		
22	Basic concepts of engineering seismology and seismic hazard analysis 2019 , 33-61		
21	Selection of strong motion for foundation design 2019 , 63-78		
20	Ground response analysis 2019 , 79-102		
19	Seismic analysis methods related to foundation design 2019 , 103-140		

18 Liquefaction: theoretical aspects **2019**, 141-171

17 Liquefaction: practical aspects **2019**, 173-214

16 Analysis and design of shallow foundations **2019**, 215-240

15 Pile foundations **2019**, 241-295

14 Analysis of foundations for major bridges **2019**, 297-330

13 Foundations in slopes and for retaining walls **2019**, 331-364

12 Engineering correlations for the design of foundations **2019**, 421-450

11 Review of Liquefaction Around Marine and Pile-Supported Wharf Structures. *Lecture Notes in Civil Engineering*, **2018**, 893-903 0.3

10 Predicting Long-Term Performance of OWT Foundation using Cyclic Simple Shear Apparatus and DEM Simulations 1132-1139

9 Buckling behaviour of single pile and pile bent in the Scotch Road Bridge, by Y. Khodair and S. Hassiotis. *Geomechanics and Geoengineering*, **2007**, 2, 317-318 1.4

8 Experimental p-y curves for liquefied soils from centrifuge tests. *Earthquake Engineering and Engineering Vibration*, **2021**, 20, 863-876 2

7 The dynamics of an offshore wind turbine using a FE semi-analytical analysis considering the interaction with three soil profiles **2018**, 1453-1459

6 Challenges in the Design and Construction of Offshore Wind Turbine Foundations Including Sites in Seismic Areas. *Lecture Notes in Civil Engineering*, **2020**, 121-160 0.3

5 Vertical Stiffness Functions of Rigid Skirted Caissons Supporting Offshore Wind Turbines. *Journal of Marine Science and Engineering*, **2021**, 9, 573 2.4

4 Inlet and Outlet Pipe Heat Interaction in a Contiguous Flight Auger (CFA) Pile. *Springer Series in Geomechanics and Geoengineering*, **2019**, 113-122 0.1

3 Effect of Initial Relative Density on Post-cyclic Stress-Strain Response of Liquefied Samples **2018**, 19-26

2 A 1D-modelling approach for simulating the soil-pile interaction mechanism in the liquefiable ground. *Soil Dynamics and Earthquake Engineering*, **2022**, 158, 107285 3.5

1 General 3D solution to the free vibration of offshore wind turbines supported on multiple foundations. *Marine Structures*, **2022**, 84, 103227 3.8

