

Dong-Sheng Jeng

List of Publications by Year in descending order

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Version: 2024-02-01

315
papers

7,991
citations

46984

47
h-index

91828

69
g-index

325
all docs

325
docs citations

325
times ranked

2910
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation into the vulnerability to liquefaction of an embedded pipeline exposed to ocean storms. <i>Coastal Engineering</i> , 2022, 172, 104056.	1.7	6
2	Experimental Study on the Irregular Wave (Current)-Induced Pore-Water Pressures around a Monopile. <i>Journal of Coastal Research</i> , 2022, 38, .	0.1	4
3	Analytical solutions of hydroelastic interactions between waves and submerged open-net fish cage modeled as a porous cylindrical thin shell. <i>Physics of Fluids</i> , 2022, 34, .	1.6	12
4	Influence of Surface Roughness and Particle Characteristics on Soil-Structure Interactions: A State-of-the-Art Review. <i>Geosciences (Switzerland)</i> , 2022, 12, 145.	1.0	14
5	Numerical study of seabed response and liquefaction around a jacket support offshore wind turbine foundation under combined wave and current loading. <i>Water Science and Engineering</i> , 2022, 15, 78-88.	1.4	12
6	Two-way coupling model for wave-induced oscillatory soil response around marine structures. <i>Ocean Engineering</i> , 2022, 249, 110791.	1.9	9
7	Numerical analysis of the seabed liquefaction around a fixed gravity-based structure (GBS) of an offshore platform and protection. <i>Ocean Engineering</i> , 2022, 249, 110844.	1.9	7
8	A physics-informed statistical learning framework for forecasting local suspended sediment concentrations in marine environment. <i>Water Research</i> , 2022, 218, 118518.	5.3	15
9	Study on the seabed response around a dumbbell cofferdam under combined wave and current loading. <i>Ocean Engineering</i> , 2022, 256, 111456.	1.9	7
10	Numerical study of Articulated Concrete Mattresses (ACMs) for offshore pipeline protection. <i>Ocean Engineering</i> , 2022, 255, 111467.	1.9	1
11	An optimal statistical regression model for predicting wave-induced equilibrium scour depth in sandy and silty seabeds beneath pipelines. <i>Ocean Engineering</i> , 2022, 258, 111709.	1.9	5
12	The instantaneous seabed liquefaction around offshore pile-type foundation and seabed protection under combined wave and current loading. <i>Ocean Engineering</i> , 2022, 257, 111649.	1.9	6
13	Constitutive Modeling of Physical Properties of Coastal Sand during Tunneling Construction Disturbance. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 167.	1.2	7
14	PORO-FSSI-FOAM model for seafloor liquefaction around a pipeline under combined random wave and current loading. <i>Applied Ocean Research</i> , 2021, 107, 102497.	1.8	17
15	Impact of two-dimensional seepage flow on sediment incipient motion under waves. <i>Applied Ocean Research</i> , 2021, 108, 102510.	1.8	17
16	The Role of 2D Seepage on Sediment Incipient Motion around a Pipeline. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 580.	1.2	7
17	Stability of the foundation trench of the immersed tunnel subjected to combined wave and current loading. <i>Applied Ocean Research</i> , 2021, 110, 102627.	1.8	9
18	Seabed foundation stability around offshore detached breakwaters. <i>Applied Ocean Research</i> , 2021, 111, 102672.	1.8	6

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19	Meshfree model for earthquake-induced transient response in a porous seabed. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 145, 106713.	1.9	3
20	Modelling the wave-induced instantaneous liquefaction in a non-cohesive seabed as a nonlinear complementarity problem. <i>Computers and Geotechnics</i> , 2021, 137, 104275.	2.3	8
21	Structureâ€™Seabed Interactions in Marine Environments. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 972.	1.2	3
22	Numerical study on the frequency response of offshore monopile foundation to seismic excitation. <i>Computers and Geotechnics</i> , 2021, 138, 104342.	2.3	16
23	A non-Darcy flow model for a non-cohesive seabed involving wave-induced instantaneous liquefaction. <i>Ocean Engineering</i> , 2021, 239, 109807.	1.9	6
24	New Advances in Marine Engineering Geology. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 66.	1.2	1
25	Meshless Model for Wave-Induced Oscillatory Seabed Response around a Submerged Breakwater Due to Regular and Irregular Wave Loading. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 15.	1.2	7
26	Modified Shields number for sediment incipient motion around a pile with impact of three-dimensional seepage in a porous seabed. <i>Applied Ocean Research</i> , 2021, 117, 102896.	1.8	9
27	Seabed liquefaction around breakwater heads at a river mouth: An integrated 3D model. <i>Ocean Engineering</i> , 2021, 242, 110036.	1.9	12
28	A Semi-Analytical Model for Studying Hydroelastic Behaviour of a Cylindrical Net Cage under Wave Action. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1445.	1.2	6
29	Experimental study on irregular wave-induced pore-water pressures in a porous seabed around a mono-pile. <i>Applied Ocean Research</i> , 2020, 95, 102041.	1.8	21
30	Seismic-induced dynamic responses in a poro-elastic seabed: Solutions of different formulations. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 131, 106021.	1.9	42
31	Numerical Modelling of consolidation-induced solute transport in unsaturated soil with dynamic hydraulic conductivity and degree of saturation. <i>Advances in Water Resources</i> , 2020, 135, 103466.	1.7	16
32	Effect of principal stress rotation on dynamic characteristics of a sandy seabed under a partially reflected standing wave. <i>Ocean Engineering</i> , 2020, 196, 106667.	1.9	12
33	A local time-domain absorbing boundary condition for scalar wave propagation in a multilayered medium. <i>Computers and Geotechnics</i> , 2020, 128, 103809.	2.3	2
34	A new model for wave-induced instantaneous liquefaction in a non-cohesive seabed with dynamic permeability. <i>Ocean Engineering</i> , 2020, 213, 107597.	1.9	14
35	Ocean Bottom Hydrodynamic Pressure due to Vertical Seismic Motion. <i>International Journal of Geomechanics</i> , 2020, 20, .	1.3	5
36	Coastal Geohazard and Offshore Geotechnics. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 1011.	1.2	1

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37	Physical modeling of combined waves and current propagating around a partially embedded monopile in a porous seabed. <i>Ocean Engineering</i> , 2020, 205, 107307.	1.9	19
38	An integrated numerical model for the stability of artificial submarine slope under wave load. <i>Coastal Engineering</i> , 2020, 158, 103698.	1.7	15
39	A New Approach to Explore the Surface Profile of Clay Soil Using White Light Interferometry. <i>Sensors</i> , 2020, 20, 3009.	2.1	10
40	Combined wave¤t induced seabed liquefaction around buried pipelines: Design of a trench layer. <i>Ocean Engineering</i> , 2020, 212, 107764.	1.9	27
41	Experimental Study on Mechanism of Wave-Induced Liquefaction of Sand-Clay Seabed. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 66.	1.2	2
42	Experimental Study on Whole Wind Power Structure with Innovative Open-Ended Pile Foundation under Long-Term Horizontal Loading. <i>Sensors</i> , 2020, 20, 5348.	2.1	5
43	Pore Structure of Grain-Size Fractal Granular Material. <i>Materials</i> , 2019, 12, 2053.	1.3	10
44	Experimental Study for Wave-Induced Pore-Water Pressures in a Porous Seabed around a Mono-Pile. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 237.	1.2	14
45	PORO-FSSI-FOAM: Seabed response around a mono-pile under natural loadings. <i>Ocean Engineering</i> , 2019, 184, 239-254.	1.9	23
46	Wave-Induced Seabed Response around a Dumbbell Cofferdam in Non-Homogeneous Anisotropic Seabed. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 189.	1.2	6
47	Effects of dynamic soil permeability on the wave-induced seabed response around a buried pipeline. <i>Ocean Engineering</i> , 2019, 186, 106132.	1.9	15
48	Meshfree Model for Wave-Seabed Interactions Around Offshore Pipelines. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 87.	1.2	12
49	A coupled mathematical model for accumulation of wave-induced pore water pressure and its application. <i>Coastal Engineering</i> , 2019, 154, 103577.	1.7	17
50	Laboratory experimental study of ocean waves propagating over a partially buried pipeline in a trench layer. <i>Ocean Engineering</i> , 2019, 173, 617-627.	1.9	42
51	Effects of Principal Stress Rotation on the Fluid-Induced Soil Response in a Porous Seabed. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 123.	1.2	4
52	Dynamic characteristics of a sandy seabed under storm wave loading considering the effect of principal stress rotation. <i>Engineering Geology</i> , 2019, 259, 105132.	2.9	18
53	Pore scale study of the influence of particle geometry on soil permeability. <i>Advances in Water Resources</i> , 2019, 129, 232-249.	1.7	42
54	Effects of Moisture Content on the Dynamic Response and Failure Mode of Unsaturated Soil Slope Subjected to Seismic Load. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 489-504.	1.1	14

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55	Effects of principal stress rotation on wave-induced soil response in a poro-elastoplastic sandy seabed. <i>Acta Geotechnica</i> , 2019, 14, 1717-1739.	2.9	21
56	Combined wave-current induced excess pore-pressure in a sandy seabed: Flume observations and comparisons with theoretical models. <i>Coastal Engineering</i> , 2019, 147, 89-98.	1.7	48
57	Response of a Porous Seabed around an Immersed Tunnel under Wave Loading: Meshfree Model. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 369.	1.2	12
58	Effect of seepage flow on sediment incipient motion around a free spanning pipeline. <i>Coastal Engineering</i> , 2019, 143, 50-62.	1.7	66
59	Wave-induced seabed residual response and liquefaction around a mono-pile foundation with various embedded depth. <i>Ocean Engineering</i> , 2019, 173, 157-173.	1.9	41
60	Numerical Study for Wave-Induced Oscillatory Seabed Response Around Pile Foundations Using OpenFOAM. <i>International Journal of Offshore and Polar Engineering</i> , 2019, 29, 217-227.	0.3	3
61	Numerical Investigation of the Wave/Current-Induced Responses of Transient Soil around a Square Mono-Pile Foundation. <i>Journal of Coastal Research</i> , 2019, 35, 625.	0.1	4
62	A Numerical Approach to Determine Wave (Current)-Induced Residual Responses in a Layered Seabed. <i>Journal of Coastal Research</i> , 2019, 35, 1271.	0.1	7
63	Introducing a project-based assignment in a traditionally taught engineering course. <i>European Journal of Engineering Education</i> , 2018, 43, 788-799.	1.5	21
64	Physical Model of wave-induced seabed response around trenched pipeline in sandy seabed. <i>Applied Ocean Research</i> , 2018, 75, 37-52.	1.8	18
65	Numerical study for wave-induced oscillatory pore pressures and liquefaction around impermeable slope breakwater heads. <i>Ocean Engineering</i> , 2018, 157, 364-375.	1.9	38
66	Porous Models for Wave-induced Seabed Liquefaction. , 2018, , 969-997.		1
67	Numerical modelling of liquefaction in loose sand deposits subjected to ocean waves. <i>Applied Ocean Research</i> , 2018, 73, 27-41.	1.8	9
68	Numerical testing on wave-induced seabed liquefaction with a poro-elastoplastic model. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 105, 150-159.	1.9	24
69	Failure mode and dynamic response of a double-sided slope with high water content of soil. <i>Journal of Mountain Science</i> , 2018, 15, 859-870.	0.8	13
70	Effect of vertical seismic motion on the dynamic response and instantaneous liquefaction in a two-layer porous seabed. <i>Computers and Geotechnics</i> , 2018, 99, 165-176.	2.3	27
71	Numerical investigation of dynamic soil response around a submerged rubble mound breakwater. <i>Ocean Engineering</i> , 2018, 156, 406-423.	1.9	28
72	Momentary liquefaction of porous seabed under vertical seismic action. <i>Applied Ocean Research</i> , 2018, 73, 80-87.	1.8	12

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73	Failure mode and capacity of suction caisson under inclined short-term static and one-way cyclic loadings. <i>Marine Georesources and Geotechnology</i> , 2018, 36, 52-63.	1.2	19
74	On the soil response of a coastal sandy slope subjected to tsunami-like solitary wave. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 999-1014.	1.6	5
75	Motion at surface of a gassy ocean sediment layer induced by obliquely incident P waves. <i>Ocean Engineering</i> , 2018, 149, 95-105.	1.9	13
76	A simplified quasi-static analysis of wave-induced residual liquefaction of seabed around an immersed tunnel. <i>Ocean Engineering</i> , 2018, 148, 574-587.	1.9	32
77	Laboratory study for soil structure effect on marine clay response subjected to cyclic loads. <i>Ocean Engineering</i> , 2018, 147, 45-50.	1.9	19
78	A Three-Dimensional Model for the Seabed Response Induced by Waves in Conjunction with Currents in the Vicinity of an Offshore Pipeline Using OpenFOAM. <i>International Journal of Ocean and Coastal Engineering</i> , 2018, 01, .	0.3	8
79	Numerical Study for Soil Response Around Submerged Breakwaters with Bragg Reflection. <i>International Journal of Ocean and Coastal Engineering</i> , 2018, 01, 1850005.	0.3	0
80	Modelling of flow around hexagonal and textured cylinders. <i>Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics</i> , 2018, 171, 99-114.	0.4	5
81	Experimental studies on initiation of current-induced movement of mud. <i>Applied Ocean Research</i> , 2018, 80, 220-227.	1.8	5
82	Wave (Current)-Induced Pore Pressure in Offshore Deposits: A Coupled Finite Element Model. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 83.	1.2	7
83	Experimental study on soil response and wave attenuation in a silt bed. <i>Ocean Engineering</i> , 2018, 160, 105-118.	1.9	22
84	Dynamic response of pipelines with various burial depth due to underwater explosion. <i>Ocean Engineering</i> , 2018, 164, 114-126.	1.9	24
85	Investigation of nonlinear wave-induced seabed response around mono-pile foundation. <i>Coastal Engineering</i> , 2017, 121, 197-211.	1.7	94
86	Numerical investigations on pore-pressure response of suction anchors under cyclic tensile loadings. <i>Engineering Geology</i> , 2017, 227, 108-120.	2.9	19
87	Consolidation of unsaturated seabed around an inserted pile foundation and its effects on the wave-induced momentary liquefaction. <i>Ocean Engineering</i> , 2017, 131, 308-321.	1.9	64
88	2D numerical study of wave and current-induced oscillatory non-cohesive soil liquefaction around a partially buried pipeline in a trench. <i>Ocean Engineering</i> , 2017, 135, 39-51.	1.9	47
89	Numerical study on loosely deposited foundation behavior around a composite breakwater subject to ocean wave impact. <i>Engineering Geology</i> , 2017, 227, 121-138.	2.9	23
90	The effect of thickness reduction on the hydraulic transmissivity of geonet drains using rigid and non-rigid flow boundaries. <i>Geotextiles and Geomembranes</i> , 2017, 45, 48-57.	2.3	1

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91	Cyclic strength of sand under a nonstandard elliptical rotation stress path induced by wave loading. <i>Journal of Hydrodynamics</i> , 2017, 29, 89-95.	1.3	11
92	Effects of cross-correlated multiple spatially random soil properties on wave-induced oscillatory seabed response. <i>Applied Ocean Research</i> , 2017, 62, 57-69.	1.8	30
93	Wave-Induced Oscillatory Soil Response Around Circular Rubble-Mound Breakwater Head. , 2017, , .		0
94	Laboratory test and empirical model for shear modulus degradation of soft marine clays. <i>Ocean Engineering</i> , 2017, 146, 101-114.	1.9	31
95	Numerical modeling of solute transport in deformable unsaturated layered soil. <i>Water Science and Engineering</i> , 2017, 10, 184-196.	1.4	11
96	Three-dimensional poro-elastic integrated model for wave and current-induced oscillatory soil liquefaction around an offshore pipeline. <i>Applied Ocean Research</i> , 2017, 68, 293-306.	1.8	10
97	Three-dimensional modeling of wave-induced residual seabed response around a mono-pile foundation. <i>Coastal Engineering</i> , 2017, 128, 1-21.	1.7	70
98	Propagation Buckling in Subsea Pipe-in-Pipe Systems. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, .	1.6	26
99	Dynamic Response of a Defected Periodic Viaduct to a Moving Point Load. <i>International Journal of Structural Stability and Dynamics</i> , 2017, 17, 1750078.	1.5	5
100	Simplified approximation for seepage effect on penetration resistance of suction caissons in sand. <i>Ships and Offshore Structures</i> , 2017, 12, 980-990.	0.9	14
101	3D integrated numerical model for Fluid-Structures-Seabed Interaction (FSSI): Loosely deposited seabed foundation. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 92, 239-252.	1.9	20
102	Wave-Induced Seabed Instability around a Breakwater. , 2017, , .		0
103	Effects of Bonded Tyres on Leachate Recirculation of Bioreactor Landfills. <i>Open Civil Engineering Journal</i> , 2017, 11, 552-562.	0.4	2
104	Accumulated Pore Pressures around Submarine Pipeline Buried in Trench Layer with Partial Backfills. <i>Journal of Engineering Mechanics - ASCE</i> , 2016, 142, .	1.6	30
105	3D Integrated numerical model for fluid-structures-seabed interaction (FSSI): Elastic dense seabed foundation. <i>Ocean Engineering</i> , 2016, 115, 107-122.	1.9	31
106	Parametric study of the wave-induced residual liquefaction around an embedded pipeline. <i>Applied Ocean Research</i> , 2016, 55, 163-180.	1.8	26
107	An integrated numerical model for wave-soil-pipeline interactions. <i>Coastal Engineering</i> , 2016, 108, 25-35.	1.7	82
108	Laboratory Study for Influence of Clay Content (CC) on Wave-Induced Liquefaction in Marine Sediments. <i>Marine Georesources and Geotechnology</i> , 2016, 34, 280-292.	1.2	20

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109	Numerical Modelling of Pore Pressure Accumulations in Marine Sediments around Submerged Breakwaters under Combined Wave and Current Loadings. <i>Journal of Coastal Research</i> , 2016, 321, 1092-1104.	0.1	3
110	2-D integrated numerical modeling for the potential of solitary wave-induced residual liquefaction over a sloping porous seabed. <i>Journal of Ocean Engineering and Marine Energy</i> , 2016, 2, 1-18.	0.9	11
111	Effects of cross-anisotropic soil behaviour on the wave-induced residual liquefaction in the vicinity of pipeline buried in elasto-plastic seabed foundations. <i>Soil Dynamics and Earthquake Engineering</i> , 2016, 80, 40-55.	1.9	24
112	Wave-induced oscillatory response in a randomly heterogeneous porous seabed. <i>Ocean Engineering</i> , 2016, 111, 116-127.	1.9	35
113	Three-dimensional numerical model for wave-induced seabed response around mono-pile. <i>Ships and Offshore Structures</i> , 2016, 11, 667-678.	0.9	77
114	An integrated model for pore pressure accumulations in marine sediment under combined wave and current loading. <i>Geomechanics and Engineering</i> , 2016, 10, 387-403.	0.9	3
115	<i>Offshore Geotechnics</i> , 2016, , 907-936.		0
116	Review of Liquefaction Around Marine Structures by B. Mutlu SumerWorld Scientific, Hackensack, NJ; 2014; ISBN978-981-4329-31-6; 472pp.; \$138(hardcover), \$104(e-book).. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2015, 141, 07515001.	0.5	1
117	An Analytical Approximation for Dynamic Soil Response of a Porous Seabed due to Combined Wave and Current Loading. <i>Journal of Coastal Research</i> , 2015, 315, 1120-1128.	0.1	20
118	Contaminant Transport in Capped Deformable Partially Saturated Sediments. <i>Journal of Coastal Research</i> , 2015, 316, 1489-1501.	0.1	1
119	Coupling model for waves propagating over a porous seabed. <i>Theoretical and Applied Mechanics Letters</i> , 2015, 5, 85-88.	1.3	7
120	Poro-Elasto-Plastic Model for the Wave-Induced Liquefaction1. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2015, 137, .	0.6	33
121	Inverse Analysis of Deep Excavation Using Differential Evolution Algorithm. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2015, 39, 115-134.	1.7	36
122	Numerical study of wave-induced soil response in a sloping seabed in the vicinity of a breakwater. <i>Applied Ocean Research</i> , 2015, 51, 204-221.	1.8	48
123	Laboratory study for pore pressures in sandy deposit under wave loading. <i>Ocean Engineering</i> , 2015, 106, 207-219.	1.9	78
124	Estimation of scour depth around circular piers: applications of model tree. <i>Journal of Hydroinformatics</i> , 2015, 17, 226-238.	1.1	16
125	Two-Dimensional Model for Accumulation of Pore Pressure in Marine Sediments. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2015, 141, .	0.5	60
126	Cnoidal wave induced seabed response around a buried pipeline. <i>Ocean Engineering</i> , 2015, 101, 118-130.	1.9	13

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127	Migration of Volatile Organic Contaminations Through a Deformable Clay Liner: Effects of Occluded Gas Bubbles. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	2
128	Evaluation of methods for estimating aquifer hydraulic parameters. <i>Applied Soft Computing Journal</i> , 2015, 28, 541-549.	4.1	21
129	Numerical Simulation of Solitary-Wave Propagation over a Steady Current. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2015, 141, .	0.5	30
130	Numerical simulation of the wave-induced dynamic response of poro-elastoplastic seabed foundations and a composite breakwater. <i>Applied Mathematical Modelling</i> , 2015, 39, 322-347.	2.2	78
131	The effect of natural seed coatings of <i>Capsella bursa-pastoris</i> L. Medik. (shepherd's purse) on soil-water retention, stability and hydraulic conductivity. <i>Plant and Soil</i> , 2015, 387, 167-176.	1.8	25
132	Experimental Study for Wave-Induced Oscillatory Pore Pressures in a Sandy Seabed. , 2014, , .		0
133	Poro-Elasto-Plastic Model for Wave-Induced Liquefaction. , 2014, , .		0
134	Two-Dimensional Model for Pore Pressure Accumulations in the Vicinity of a Buried Pipeline. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2014, 136, .	0.6	55
135	Discussion of "Pore-Water Pressure Development Caused by Wave-Induced Cyclic Loading in Deep Porous Formation" by Africa M. Geremew. <i>International Journal of Geomechanics</i> , 2014, 14, 326-328.	1.3	5
136	Simplified Approximation of Wave-Induced Liquefaction in a Shallow Porous Seabed. <i>International Journal of Geomechanics</i> , 2014, 14, .	1.3	12
137	Numerical simulation of wave-current interaction using a RANS solver. <i>Ocean Engineering</i> , 2014, 75, 157-164.	1.9	101
138	Breaking wave-induced response of composite breakwater and liquefaction in seabed foundation. <i>Coastal Engineering</i> , 2014, 85, 72-86.	1.7	78
139	Stability and liquefaction analysis of porous seabed subjected to cnoidal wave. <i>Applied Ocean Research</i> , 2014, 48, 250-265.	1.8	18
140	Effects of wave-induced seabed liquefaction on sediment re-suspension in the Yellow River Delta. <i>Ocean Engineering</i> , 2014, 89, 146-156.	1.9	75
141	Wave and current induced seabed response around a submarine pipeline in an anisotropic seabed. <i>Ocean Engineering</i> , 2014, 75, 112-127.	1.9	35
142	Numerical study for wave-induced seabed response around offshore wind turbine foundation in Donghai offshore wind farm, Shanghai, China. <i>Ocean Engineering</i> , 2014, 85, 32-43.	1.9	55
143	Soil response around Donghai offshore wind turbine foundation, China. <i>Proceedings of Institution of Civil Engineers: Energy</i> , 2014, 167, 20-31.	0.5	4
144	Liquefaction of a poro-elastoplastic seabed under combined wave and current loading. , 2014, , 1829-1834.		0

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145	Artificial intelligence-based estimation of flushing half-cone geometry. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 2551-2558.	4.3	14
146	A 3-D semi-coupled numerical model for fluid-structures-seabed-interaction (FSSI-CAS 3D): Model and verification. <i>Journal of Fluids and Structures</i> , 2013, 40, 148-162.	1.5	43
147	Validation of a 2-D semi-coupled numerical model for fluid-structure-seabed interaction. <i>Journal of Fluids and Structures</i> , 2013, 42, 333-357.	1.5	71
148	An optimised product-unit neural network with a novel PSO-BP hybrid training algorithm: Applications to load-deformation analysis of axially loaded piles. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 2305-2314.	4.3	61
149	Three-dimensional dynamic transient response of a poro-elastic unsaturated seabed and a rubble mound breakwater due to seismic loading. <i>Soil Dynamics and Earthquake Engineering</i> , 2013, 44, 14-26.	1.9	25
150	Variational assimilation of land surface temperature and the estimation of surface energy balance components. <i>Journal of Hydrology</i> , 2013, 481, 143-156.	2.3	48
151	Solute transport in nearly saturated porous media under landfill clay liners: A finite deformation approach. <i>Journal of Hydrology</i> , 2013, 479, 189-199.	2.3	33
152	Wave-induced multi-layered seabed response around a buried pipeline. <i>Ocean Engineering</i> , 2013, 72, 195-208.	1.9	36
153	An analytical solution for response of a porous seabed to combined wave and current loading. <i>Ocean Engineering</i> , 2013, 57, 240-247.	1.9	56
154	Empirical model for the prediction of lateral stability coefficient for un-trenched submarine pipes based on self-evolving neural network (SEANN). <i>Ocean Engineering</i> , 2013, 72, 167-175.	1.9	2
155	Probabilistic parameter estimation and predictive uncertainty based on field measurements for unsaturated soil slope. <i>Computers and Geotechnics</i> , 2013, 48, 72-81.	2.3	65
156	An integrated model for the wave-induced seabed response around marine structures: Model verifications and applications. <i>Coastal Engineering</i> , 2013, 72, 1-19.	1.7	141
157	Predictions of bridge scour: Application of a feed-forward neural network with an adaptive activation function. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 1540-1549.	4.3	35
158	Migration of volatile organic contaminations (VOCs) through a deforming clay liner. <i>Advances in Water Resources</i> , 2013, 59, 66-81.	1.7	8
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