

Dong-Soo Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/918221/publications.pdf>

Version: 2024-02-01

39
papers

822
citations

567281

15
h-index

501196

28
g-index

39
all docs

39
docs citations

39
times ranked

427
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical evaluation and experimental validation on dynamic rocking behavior for shallow foundation considering structural response. <i>Earthquake Engineering and Engineering Vibration</i> , 2022, 21, 37-51.	2.3	4
2	Improved performance-based seismic coefficient for gravity-type quay walls based on centrifuge test results. <i>Acta Geotechnica</i> , 2021, 16, 1187-1204.	5.7	7
3	Studies on cyclic behavior of tripod suction bucket foundation system supporting offshore wind turbine using centrifuge model test. <i>Wind Energy</i> , 2021, 24, 515-529.	4.2	11
4	Centrifuge modelling of drained pullout and compression cyclic behaviour of suction bucket. <i>International Journal of Physical Modelling in Geotechnics</i> , 2020, 20, 59-70.	0.6	11
5	Optimization of Two Soil-Structure Interaction Parameters Using Dynamic Centrifuge Tests and an Analytical Approach. <i>Sustainability</i> , 2020, 12, 7113.	3.2	2
6	Centrifuge Modeling of Embankment Failure due to Underground Cavity and Its Electrical Resistivity Monitoring. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 2900-2911.	1.9	0
7	Closed Form Solutions for Predicting Lateral Response of Tripod Suction Pile for Offshore Wind Turbine Foundation. <i>Energies</i> , 2020, 13, 6176.	3.1	5
8	Centrifuge modeling of disconnected piled raft using vertical pushover tests. <i>Acta Geotechnica</i> , 2020, 15, 2637-2648.	5.7	16
9	Soil Displacement Near a Bucket Foundation Installed in Sand by Suction and Jacking in a Centrifuge. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	7
10	Centrifuge Modeling of Improved Design for Rocking Foundation Using Short Piles. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, 04019031.	3.0	10
11	Investigation of seismic performances of unconnected pile foundations using dynamic centrifuge tests. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 2433-2458.	4.1	22
12	Cyclic behavior of unit bucket for tripod foundation system supporting offshore wind turbine via model tests. <i>Wind Energy</i> , 2019, 22, 257-268.	4.2	15
13	Assessment of new Korean site classification and design response spectra. <i>Geotechnique Letters</i> , 2018, 8, 25-31.	1.2	1
14	Site Classification System and Site Coefficients for Shallow Bedrock Sites in Korea. <i>Journal of Earthquake Engineering</i> , 2018, 22, 1259-1284.	2.5	15
15	Comparison between cyclic and dynamic rocking behavior for embedded shallow foundation using centrifuge tests. <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 5171-5193.	4.1	20
16	Bearing Capacity of Shallow Footings in Simulated Lunar Environments Using Centrifuge Tests. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, 04018042.	3.0	4
17	Investigation of the dynamic behaviour of a storage tank with different foundation types focusing on the soil-foundation-structure interactions using centrifuge model tests. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 2301-2316.	4.4	21
18	Correlation between the Shear-Wave Velocity and Tip Resistance of Quartz Sand in a Centrifuge. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	3.0	9

#	ARTICLE	IF	CITATIONS
19	Centrifuge modeling to evaluate natural frequency and seismic behavior of offshore wind turbine considering <sc>SFSI</sc>. Wind Energy, 2017, 20, 1787-1800.	4.2	9
20	Evaluation of Soil State Variation using Bender Elements Within Centrifuge Models. Geotechnical Testing Journal, 2017, 40, 150-159.	1.0	1
21	Tunnel flexibility effect on the ground surface acceleration response. Earthquake Engineering and Engineering Vibration, 2016, 15, 457-476.	2.3	27
22	Pullout Capacity of Horizontally Loaded Suction Anchor Installed in Silty Sand. Marine Georesources and Geotechnology, 2016, 34, 87-95.	2.1	16
23	Miniature Cone Tip Resistance on Sand in a Centrifuge. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	40
24	Evaluation of seismic behaviour of Cheomseongdae using dynamic centrifuge model test. Earthquake Engineering and Structural Dynamics, 2015, 44, 695-711.	4.4	5
25	Rocking Effect of a Mat Foundation on the Earthquake Response of Structures. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	30
26	Seismic behavior of an inverted T-shape flexible retaining wall via dynamic centrifuge tests. Bulletin of Earthquake Engineering, 2014, 12, 961-980.	4.1	30
27	Evaluation of the seismic response of stone pagodas using centrifuge model tests. Bulletin of Earthquake Engineering, 2014, 12, 2583-2606.	4.1	8
28	Investigation of Monotonic and Cyclic Behavior of Tripod Suction Bucket Foundations for Offshore Wind Towers Using Centrifuge Modeling. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	68
29	Evaluation of seismic behavior of soils under nuclear containment structures via dynamic centrifuge test. Nuclear Engineering and Design, 2014, 277, 64-75.	1.7	3
30	Evaluation of K_0 in Centrifuge Model Using Shear Wave Velocity. Geotechnical Testing Journal, 2014, 37, 20130060.	1.0	8
31	Seepage behavior of drainage zoning in a concrete faced gravel-fill dam via centrifuge and numerical modeling. KSCE Journal of Civil Engineering, 2013, 17, 949-958.	1.9	8
32	Self-balanced earthquake simulator on centrifuge and dynamic performance verification. KSCE Journal of Civil Engineering, 2013, 17, 651-661.	1.9	48
33	A newly developed state-of-the-art geotechnical centrifuge in Korea. KSCE Journal of Civil Engineering, 2013, 17, 77-84.	1.9	134
34	Settlement of Piled Rafts with Different Pile Arrangement Schemes via Centrifuge Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1690-1698.	3.0	21
35	Development and Verification of a New Site Classification System and Site Coefficients for Regions of Shallow Bedrock in Korea. Journal of Earthquake Engineering, 2012, 16, 795-819.	2.5	27
36	Measurement of small-strain shear modulus G_{max} of dry and saturated sands by bender element, resonant column, and torsional shear tests. Canadian Geotechnical Journal, 2008, 45, 1426-1438.	2.8	129

#	ARTICLE	IF	CITATIONS
37	Development of Modulus-Soil Moisture Model for Subgrade Soils Using Suction Control Testing System. , 2006, , 256.		2
38	DEVELOPMENT OF NEW SITE CLASSIFICATION SYSTEM FOR THE REGIONS OF SHALLOW BEDROCK IN KOREA. Journal of Earthquake Engineering, 2006, 10, 331-358.	2.5	26
39	Site Classification System and Site Coefficients for Shallow Bedrock Sites in Korea. , 0, .		2