

Dong-Soo Kim

List of Publications by Year in descending order

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39
papers

822
citations

567281

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501196

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39
all docs

39
docs citations

39
times ranked

427
citing authors

#	ARTICLE	IF	CITATIONS
1	A newly developed state-of-the-art geotechnical centrifuge in Korea. KSCE Journal of Civil Engineering, 2013, 17, 77-84.	1.9	134
2	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
3	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
4	Self-balanced earthquake simulator on centrifuge and dynamic performance verification. KSCE Journal of Civil Engineering, 2013, 17, 651-661.	1.9	48
5	Miniature Cone Tip Resistance on Sand in a Centrifuge. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	40
6	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
7	Rocking Effect of a Mat Foundation on the Earthquake Response of Structures. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	30
8	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
9	Tunnel flexibility effect on the ground surface acceleration response. Earthquake Engineering and Engineering Vibration, 2016, 15, 457-476.	2.3	27
10	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
11	Investigation of seismic performances of unconnected pile foundations using dynamic centrifuge tests. Bulletin of Earthquake Engineering, 2019, 17, 2433-2458.	4.1	22
12	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
13	Investigation of the dynamic behaviour of a storage tank with different foundation types focusing on the soil-foundation-structure interactions using centrifuge model tests. Earthquake Engineering and Structural Dynamics, 2017, 46, 2301-2316.	4.4	21
14	Comparison between cyclic and dynamic rocking behavior for embedded shallow foundation using centrifuge tests. Bulletin of Earthquake Engineering, 2018, 16, 5171-5193.	4.1	20
15	Pullout Capacity of Horizontally Loaded Suction Anchor Installed in Silty Sand. Marine Georesources and Geotechnology, 2016, 34, 87-95.	2.1	16
16	Centrifuge modeling of disconnected piled raft using vertical pushover tests. Acta Geotechnica, 2020, 15, 2637-2648.	5.7	16
17	Site Classification System and Site Coefficients for Shallow Bedrock Sites in Korea. Journal of Earthquake Engineering, 2018, 22, 1259-1284.	2.5	15
18	Cyclic behavior of unit bucket for tripod foundation system supporting offshore wind turbine via model tests. Wind Energy, 2019, 22, 257-268.	4.2	15

#	ARTICLE	IF	CITATIONS
19	Centrifuge modelling of drained pullout and compression cyclic behaviour of suction bucket. International Journal of Physical Modelling in Geotechnics, 2020, 20, 59-70.	0.6	11
20	Studies on cyclic behavior of tripod suction bucket foundation system supporting offshore wind turbine using centrifuge model test. Wind Energy, 2021, 24, 515-529.	4.2	11
21	Centrifuge Modeling of Improved Design for Rocking Foundation Using Short Piles. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, 04019031.	3.0	10
22	Correlation between the Shear-Wave Velocity and Tip Resistance of Quartz Sand in a Centrifuge. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	9
23	Centrifuge modeling to evaluate natural frequency and seismic behavior of offshore wind turbine considering S_{FSI}. Wind Energy, 2017, 20, 1787-1800.	4.2	9
24	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
25	Evaluation of the seismic response of stone pagodas using centrifuge model tests. Bulletin of Earthquake Engineering, 2014, 12, 2583-2606.	4.1	8
26	Evaluation of K_0 in Centrifuge Model Using Shear Wave Velocity. Geotechnical Testing Journal, 2014, 37, 20130060.	1.0	8
27	Soil Displacement Near a Bucket Foundation Installed in Sand by Suction and Jacking in a Centrifuge. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	7
28	Improved performance-based seismic coefficient for gravity-type quay walls based on centrifuge test results. Acta Geotechnica, 2021, 16, 1187-1204.	5.7	7
29	Evaluation of seismic behaviour of Cheomseongdae using dynamic centrifuge model test. Earthquake Engineering and Structural Dynamics, 2015, 44, 695-711.	4.4	5
30	Closed Form Solutions for Predicting Lateral Response of Tripod Suction Pile for Offshore Wind Turbine Foundation. Energies, 2020, 13, 6176.	3.1	5
31	Bearing Capacity of Shallow Footings in Simulated Lunar Environments Using Centrifuge Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, 04018042.	3.0	4
32	Analytical evaluation and experimental validation on dynamic rocking behavior for shallow foundation considering structural response. Earthquake Engineering and Engineering Vibration, 2022, 21, 37-51.	2.3	4
33	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
34	Development of Modulus-Soil Moisture Model for Subgrade Soils Using Suction Control Testing System. , 2006, , 256.		2
35	Optimization of Two Soil-Structure Interaction Parameters Using Dynamic Centrifuge Tests and an Analytical Approach. Sustainability, 2020, 12, 7113.	3.2	2
36	Site Classification System and Site Coefficients for Shallow Bedrock Sites in Korea. , 0, .		2

#	ARTICLE	IF	CITATIONS
37	Assessment of new Korean site classification and design response spectra. Geotechnique Letters, 2018, 8, 25-31.	1.2	1
38	Evaluation of Soil State Variation using Bender Elements Within Centrifuge Models. Geotechnical Testing Journal, 2017, 40, 150-159.	1.0	1
39	Centrifuge Modeling of Embankment Failure due to Underground Cavity and Its Electrical Resistivity Monitoring. KSCE Journal of Civil Engineering, 2020, 24, 2900-2911.	1.9	0