

Changho Lee

List of Publications by Year in descending order

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69
papers

1,213
citations

331259

21
h-index

414034

32
g-index

69
all docs

69
docs citations

69
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Compressive strength of one-part alkali activated fly ash using red mud as alkali supplier. <i>Construction and Building Materials</i> , 2016, 125, 21-28.	3.2	95
2	Characteristics of Rubber-Sand Particle Mixtures according to Size Ratio. <i>Journal of Materials in Civil Engineering</i> , 2010, 22, 323-331.	1.3	78
3	Behavior of sand-rubber particle mixtures: experimental observations and numerical simulations. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2014, 38, 1651-1663.	1.7	77
4	Formation history and physical properties of sediments from the Mount Elbert Gas Hydrate Stratigraphic Test Well, Alaska North Slope. <i>Marine and Petroleum Geology</i> , 2011, 28, 427-438.	1.5	57
5	A pressure core based characterization of hydrate-bearing sediments in the Ulleung Basin, Sea of Japan (East Sea). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	56
6	Geotechnical characterization of marine sediments in the Ulleung Basin, East Sea. <i>Engineering Geology</i> , 2011, 117, 151-158.	2.9	55
7	Particle shape effect on thermal conductivity and shear wave velocity in sands. <i>Acta Geotechnica</i> , 2017, 12, 615-625.	2.9	43
8	Sustainable development and energy geotechnology – Potential roles for geotechnical engineering. <i>KSCE Journal of Civil Engineering</i> , 2011, 15, 611-621.	0.9	41
9	Recent Progress on Photoacoustic Imaging Enhanced with Microelectromechanical Systems (MEMS) Technologies. <i>Micromachines</i> , 2018, 9, 584.	1.4	35
10	Engineering Characteristics of Chemically Treated Water-Repellent Kaolin. <i>Materials</i> , 2016, 9, 978.	1.3	30
11	Geomechanical and Thermal Responses of Hydrate-Bearing Sediments Subjected to Thermal Stimulation: Physical Modeling Using a Geotechnical Centrifuge. <i>Energy & Fuels</i> , 2013, 27, 4507-4522.	2.5	29
12	Cementation and bond degradation of rubber-sand mixtures. <i>Canadian Geotechnical Journal</i> , 2010, 47, 763-774.	1.4	28
13	Penetration Type Field Velocity Probe for Soft Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 199-206.	1.5	26
14	Experimental Study on Engineering Characteristics of Composite Geomaterial for Recycling Dredged Soil and Bottom Ash. <i>Marine Georesources and Geotechnology</i> , 2011, 29, 1-15.	1.2	26
15	Stress-dependent and strength properties of gas hydrate-bearing marine sediments from the Ulleung Basin, East Sea, Korea. <i>Marine and Petroleum Geology</i> , 2013, 47, 66-76.	1.5	26
16	Water-Entry Pressure and Friction Angle in an Artificially Synthesized Water-Repellent Silty Soil. <i>Vadose Zone Journal</i> , 2015, 14, 1-9.	1.3	26
17	Effect of Soil Mineralogy and Pore-Water Chemistry on the Electrical Resistivity of Saturated Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	1.5	25
18	Relationship between hydraulic conductivity and formation factor of coarse-grained soils as a function of particle size. <i>Journal of Applied Geophysics</i> , 2016, 127, 91-101.	0.9	24

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19	Recent Progress on Near-Infrared Photoacoustic Imaging: Imaging Modality and Organic Semiconducting Agents. <i>Polymers</i> , 2019, 11, 1693.	2.0	24
20	Soil Stiffness Gauge (SSG) and Dynamic Cone Penetrometer (DCP) tests for estimating engineering properties of weathered sandy soils in Korea. <i>Engineering Geology</i> , 2014, 169, 91-99.	2.9	23
21	Effects of clay fraction and pore water conductivity on electrical conductivity of sand-kaolinite mixed soils. <i>Journal of Petroleum Science and Engineering</i> , 2016, 147, 735-745.	2.1	22
22	In Vivo Quantitative Vasculature Segmentation and Assessment for Photodynamic Therapy Process Monitoring Using Photoacoustic Microscopy. <i>Sensors</i> , 2021, 21, 1776.	2.1	22
23	Evaluation of compressibility and small strain stiffness characteristics of sand reinforced with discrete synthetic fibers. <i>Geotextiles and Geomembranes</i> , 2017, 45, 331-338.	2.3	21
24	Biodegradable Contrast Agents for Photoacoustic Imaging. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1567.	1.3	21
25	Evaluation of preconsolidation stress by shear wave velocity. <i>Smart Structures and Systems</i> , 2011, 7, 275-287.	1.9	21
26	Geotechnical and geophysical characteristics of muskeg samples from Alberta, Canada. <i>Engineering Geology</i> , 2015, 195, 135-141.	2.9	20
27	Compressibility and small strain stiffness of kaolin clay mixed with varying amounts of sand. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 2152-2161.	0.9	20
28	Small strain stiffness of salt-cemented granular media under low confinement. <i>Geotechnique</i> , 2012, 62, 949-953.	2.2	16
29	Impact of pore water conductivity and porosity on the electrical conductivity of kaolinite. <i>Acta Geotechnica</i> , 2016, 11, 1419-1429.	2.9	16
30	Detection of smear zone using micro-cone and electrical resistance probe. <i>Canadian Geotechnical Journal</i> , 2009, 46, 719-726.	1.4	15
31	Evolution of layered physical properties in soluble mixture: Experimental and numerical approaches. <i>Engineering Geology</i> , 2012, 143-144, 37-42.	2.9	15
32	Assessment of Compression Index of Busan and Incheon Clays with Sedimentation State. <i>Marine Georesources and Geotechnology</i> , 2015, 33, 23-32.	1.2	15
33	Application of the dilatometer test for estimating undrained shear strength of Busan New Port clay. <i>Ocean Engineering</i> , 2016, 115, 39-47.	1.9	15
34	Effect of Secondary Impacts on SPT Rod Energy and Sampler Penetration. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 522-526.	1.5	14
35	Geophysical Monitoring Techniques for Underwater Landslide in 1g Models. <i>Journal of Environmental and Engineering Geophysics</i> , 2010, 15, 1-19.	1.0	10
36	Effect of Height Ratio and Mass Ratio on Structure-Soil-Structure Interaction of Two Structures Using Centrifugal Experiment. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 526.	1.3	10

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37	Feasibility Study of Precise Balloon Catheter Tracking and Visualization with Fast Photoacoustic Microscopy. <i>Sensors</i> , 2020, 20, 5585.	2.1	10
38	Experiment Setup for Shear Wave and Electrical Resistance Measurements in an Oedometer. <i>Geotechnical Testing Journal</i> , 2008, 31, 100720.	0.5	10
39	Probabilistic evaluation of primary consolidation settlement of Songdo New City by using kriged estimates of geologic profiles. <i>Acta Geotechnica</i> , 2013, 8, 323-334.	2.9	8
40	Characterization of deep sea sediments from the continental margin off Costa Rica. <i>Ocean Engineering</i> , 2016, 111, 13-21.	1.9	8
41	Pilot Study: Quantitative Photoacoustic Evaluation of Peripheral Vascular Dynamics Induced by Carfilzomib In Vivo. <i>Sensors</i> , 2021, 21, 836.	2.1	8
42	Quantitative assessment of temperature effect on cone resistance. <i>Bulletin of Engineering Geology and the Environment</i> , 2013, 72, 3-13.	1.6	6
43	Real-time monitoring of SPT donut hammer motion and SPT energy transfer ratio using digital line-scan camera and pile driving analyzer. <i>Acta Geotechnica</i> , 2014, 9, 959-968.	2.9	6
44	Geotechnical Characteristics of Volcanic Beach Sands with Varying Iron Contents. <i>Marine Georesources and Geotechnology</i> , 2016, 34, 571-580.	1.2	6
45	Modified Fixed Wall Oedometer When Considering Stress Dependence of Elastic Wave Velocities. <i>Sensors</i> , 2020, 20, 6291.	2.1	6
46	Recent Progress on Molecular Photoacoustic Imaging with Carbon-Based Nanocomposites. <i>Materials</i> , 2021, 14, 5643.	1.3	6
47	Numerical-Sampling-Functionalized Real-Time Index Regulation for Direct k-Domain Calibration in Spectral Domain Optical Coherence Tomography. <i>Electronics (Switzerland)</i> , 2018, 7, 182.	1.8	5
48	Effect of pH Variations on the Yield Stress of Calcium Bentonite Slurry Treated with pH-Responsive Polymer. <i>Materials</i> , 2020, 13, 2525.	1.3	5
49	Inverse effect of packing density on shear wave velocity of binary mixed soils with varying size ratios. <i>Journal of Applied Geophysics</i> , 2021, 194, 104457.	0.9	5
50	Estimating the electrical conductivity of clayey soils with varying mineralogy using the index properties of soils. <i>Applied Clay Science</i> , 2022, 217, 106388.	2.6	5
51	Evaluation of Dynamic Properties of Sodium-Alginate-Reinforced Soil Using A Resonant-Column Test. <i>Materials</i> , 2021, 14, 2743.	1.3	4
52	Geotechnical and Geoacoustic Properties of Volcanic Soil in Ulleung Island, East Sea of Korea. <i>Marine Georesources and Geotechnology</i> , 2016, 34, 659-667.	1.2	2
53	Influence of Radius of Central Soil Column in POINT Module of the SASSI Program on Seismic Response of Foundation. <i>Journal of Earthquake Engineering</i> , 2018, 22, 520-532.	1.4	2
54	Compression Index and Small Strain Stiffness of Six Coal Bottom Ashes in South Korea. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 3584-3593.	0.9	2

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55	Experimental approach to evaluate weathering condition of granite using electrical resistivity. <i>Geomechanics and Engineering</i> , 2015, 8, 675-685.	0.9	2
56	Overconsolidation and Cementation in Sands: Impacts on Geotechnical Properties and Evaluation Using Dilatometer Tests. <i>Geotechnical Testing Journal</i> , 2018, 41, 20170368.	0.5	2
57	Evaluation of Dynamic Properties and Ground-Response Analysis of Soil Reinforced with Cement and Biopolymer. <i>Korean Society of Hazard Mitigation</i> , 2020, 20, 291-296.	0.1	2
58	Modified Analytical Solution to Radial Consolidation with Soil Characteristics in a Disturbed Zone. <i>Marine Georesources and Geotechnology</i> , 2014, 32, 207-221.	1.2	1
59	Evolution of pore structure and hydraulic conductivity of randomly distributed soluble particle mixture. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2018, 42, 768-780.	1.7	1
60	Use of the dilatometer test to estimate the maximum shear modulus of normally consolidated Busan clay. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 547-557.	1.2	1
61	Effects of Stratification on Soil-€"Foundation-€"Structure Interaction: Centrifugal Observation and Numerical Simulation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 623.	1.3	1
62	Geotechnical Characteristics of an Aerated Soil-Stabilizer Mixture as Backfill Material. <i>Geotechnical Testing Journal</i> , 2012, 35, 586-595.	0.5	1
63	Geostatistics and Artificial Intelligence Applications for Spatial Evaluation of Bearing Capacity after Dynamic Compaction. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-19.	0.4	1
64	Characteristics of Glass-Polyurethane Beads Mixtures as Function of Weight Ratios: Experimental Approaches. , 2018, , 55-62.		0
65	Prediction of Small-Strain Dynamic Properties on Granulated Spherical Glass Bead-Polyurethane Mixtures. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-12.	0.4	0
66	Semi-Automated Procedure to Estimate Nonlinear Kinematic Hardening Model to Simulate the Nonlinear Dynamic Properties of Soil and Rock. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8611.	1.3	0
67	Effects of Flow Direction and Consolidation Pressure on Hydraulic Resistance Capacity of Soils. <i>Journal of the Korean Geoenvironmental Society</i> , 2015, 16, 55-66.	0.1	0
68	Relationship between Hydraulic Conductivity and Electrical Conductivity in Sands. <i>Journal of the Korean Geotechnical Society</i> , 2015, 31, 45-58.	0.1	0
69	Swelling and behavioral transformation of magnesia-sand mixtures: experimental characterization of physical properties and undrained shear strength. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.	1.6	0