Hangseok Choi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3372832/publications.pdf

Version: 2024-02-01

81 papers	1,861 citations	304743 22 h-index	289244 40 g-index
82 all docs	82 docs citations	82 times ranked	1352 citing authors

#	Article	IF	Citations
1	Comparison of performance of single- and double-core prefabricated vertical drains for thick reclaimed ground improvement. Marine Georesources and Geotechnology, 2022, 40, 404-414.	2.1	4
2	Bayesian Neural Network for Estimating Stress-Strain Behaviors of Frozen Sand. KSCE Journal of Civil Engineering, 2022, 26, 933-941.	1.9	3
3	Effect of foam conditioning on performance of EPB shield tunnelling through laboratory excavation test. Transportation Geotechnics, 2022, 32, 100692.	4.5	17
4	Development of Expanded Steel Pipe Pile to Enhance Bearing Capacity. Sustainability, 2022, 14, 3077.	3.2	3
5	Thermal performance of novel cast-in-place energy piles equipped with multipurpose steel pipe heat exchangers (SPHXs). Geothermics, 2022, 102, 102389.	3.4	6
6	Suffusion of sandâ€“clay mixture by three-staged change of ionic strength. Canadian Geotechnical Journal, 2022, 59, 2008-2013.	2.8	3
7	Dual tree-boosting framework for estimating warning levels of rainfall-induced landslides. Landslides, 2022, 19, 2249-2262.	5.4	2
8	Ensemble learning-based classification models for slope stability analysis. Catena, 2021, 196, 104886.	5.0	56
9	Numerical Simulation of EPB Shield Tunnelling with TBM Operational Condition Control Using Coupled DEMâ€“FDM. Applied Sciences (Switzerland), 2021, 11, 2551.	2.5	14
10	Dual performance of novel steel pipe heat exchangers equipped in cast-in-place energy pile. Energy and Buildings, 2021, 234, 110725.	6.7	15
11	Evaluation of Korean recycled aggregates as backfilling underground power system considering particle breakage effect. Journal of Material Cycles and Waste Management, 2021, 23, 1665-1677.	3.0	1
12	Performance evaluation of coaxial-type GHEX in GSHP system installed in Korean residential building. Energy and Buildings, 2021, 235, 110734.	6.7	6
13	A Causal Network-Based Risk Matrix Model Applicable to Shield TBM Tunneling Projects. Sustainability, 2021, 13, 4846.	3.2	12
14	Applicability evaluation of cast-in-place energy piles based on two-year heating and cooling operation. Renewable and Sustainable Energy Reviews, 2021, 143, 110906.	16.4	10
15	Influential factors on thermal performance of energy slabs equipped with an insulation layer. Renewable Energy, 2021, 174, 823-834.	8.9	7
16	Kaolinite and illite colloid transport in saturated porous media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127052.	4.7	13
17	Study on Increase in Stability of Floating and Underground Extension Method through Slab Pre-Construction. Sustainability, 2021, 13, 13696.	3.2	1
18	Stepwise DE/FE combined approach for estimating effective thermal conductivity of frozen spherical particulate media. Computers and Geotechnics, 2020, 128, 103837.	4.7	2

#	Article	IF	Citations
19	Influence of In-situ Cryogenic Freezing on Thermal and Mechanical Characteristics of Korean Marine Clay. KSCE Journal of Civil Engineering, 2020, 24, 3501-3515.	1.9	4
20	Consideration of radial flow in nonlinear finite-strain self-weight consolidation of dredged soil. Ocean Engineering, 2020, 197, 106889.	4.3	7
21	Effect of thermal interference on energy piles considering various configurations of heat exchangers. Energy and Buildings, 2019, 199, 381-401.	6.7	25
22	Analysis of neural network based pedotransfer function for predicting soil water characteristic curve. Geoderma, 2019, 351, 92-102.	5.1	23
23	Impact of Particle Size Distribution of Colloidal Particles on Contaminant Transport in Porous Media. Applied Sciences (Switzerland), 2019, 9, 932.	2.5	10
24	Hydraulicâ€Mechanical Properties of Unsaturated Graniteâ€Weathered Residual Soil in Korea. Vadose Zone Journal, 2019, 18, 1-13.	2.2	12
25	Field experiment on heat exchange performance of various coaxial-type ground heat exchangers considering construction conditions. Renewable Energy, 2019, 144, 84-96.	8.9	21
26	Risky Ground Prediction ahead of Mechanized Tunnel Face using Electrical Methods: Laboratory Tests. KSCE Journal of Civil Engineering, 2018, 22, 3663-3675.	1.9	8
27	Influence of hydraulic characteristics on stability of unsaturated slope under transient seepage conditions. Landslides, 2018, 15, 1787-1799.	5.4	11
28	Engineering chart for thermal performance of cast-in-place energy pile considering thermal resistance. Applied Thermal Engineering, 2018, 130, 899-921.	6.0	30
29	Field Experiments to Evaluate Thermal Performance of Energy Slabs with Different Installation Conditions. Applied Sciences (Switzerland), 2018, 8, 2214.	2.5	9
30	Thermo-mechanical behavior of cast-in-place energy piles. Energy, 2018, 161, 920-938.	8.8	28
31	A numerical framework for infinite slope stability analysis under transient unsaturated seepage conditions. Engineering Geology, 2018, 243, 36-49.	6.3	34
32	Evaluation of effective thermal conductivity of unsaturated granular materials using random network model. Geothermics, 2017, 67, 76-85.	3.4	10
33	Experimental study on performance of sand filter layer to remove non-point source pollutants in rainwater. Water Science and Technology: Water Supply, 2017, 17, 1748-1763.	2.1	4
34	Predicting anomalous zone ahead of tunnel face utilizing electrical resistivity: II. Field tests. Tunnelling and Underground Space Technology, 2017, 68, 1-10.	6.2	18
35	Experimental and numerical analysis on thermal performance of large-diameter cast-in-place energy pile constructed in soft ground. Energy, 2017, 118, 297-311.	8.8	48
36	Effect of Borehole Material on Analytical Solutions of the Heat Transfer Model of Ground Heat Exchangers Considering Groundwater Flow. Energies, 2016, 9, 318.	3.1	14

#	Article	IF	Citations
37	Numerical Investigation on the Effect of Cementing Properties on the Thermal and Mechanical Stability of Geothermal Wells. Energies, 2016, 9, 1016.	3.1	8
38	Development of energy textile to use geothermal energy in tunnels. Tunnelling and Underground Space Technology, 2016, 59, 105-113.	6.2	43
39	Predicting anomalous zone ahead of tunnel face utilizing electrical resistivity: I. Algorithm and measuring system development. Tunnelling and Underground Space Technology, 2016, 60, 141-150.	6.2	28
40	Influence of coil pitch on thermal performance of coil-type cast-in-place energy piles. Energy and Buildings, 2016, 129, 344-356.	6.7	16
41	Optimum operation of open-loop ground heat exchanger considering subsurface temperature gradient. International Journal of Energy Research, 2016, 40, 651-661.	4.5	6
42	Nonlinear Finite-Strain Self-Weight Consolidation of Dredged Material with Radial Drainage Using Carrilloâ€™s Formula. Journal of Waterway, Port, Coastal and Ocean Engineering, 2016, 142, 06016002.	1.2	5
43	Effect of Biotâ€™s coefficient and fluid properties on isothermal H-M coupled consolidation analysis of porous media. KSCE Journal of Civil Engineering, 2016, 20, 2355-2364.	1.9	4
44	Measurement of hydraulic properties of bentonite cake formation deposited on base soil medium. Applied Clay Science, 2016, 123, 187-201.	5.2	13
45	Parametric study on cutoff performance of soil-bentonite slurry wall: Consideration of construction defects and bentonite cake. KSCE Journal of Civil Engineering, 2015, 19, 1681-1692.	1.9	8
46	Physical properties of G-class cement for geothermal well cementing in South Korea. Renewable Energy, 2015, 80, 123-131.	8.9	25
47	Constructability and heat exchange efficiency of large diameter cast-in-place energy piles with various configurations of heat exchange pipe. Applied Thermal Engineering, 2015, 90, 1061-1071.	6.0	70
48	Test Construction of Cast-in-Place Concrete Energy Pile in Dredged and Reclaimed Ground. Journal of Performance of Constructed Facilities, 2015, 29, .	2.0	7
49	Risk analysis using fault-tree analysis (FTA) and analytic hierarchy process (AHP) applicable to shield TBM tunnels. Tunnelling and Underground Space Technology, 2015, 49, 121-129.	6.2	170
50	Relative constructability and thermal performance of cast-in-place concrete energy pile: Coil-type GHEX (ground heat exchanger). Energy, 2015, 81, 56-66.	8.8	68
51	Application of block-centered finite difference formulation for non-linear finite strain consolidation. KSCE Journal of Civil Engineering, 2014, 18, 1991-1995.	1.9	1
52	Analytical Interpretation of Slug Test in a Vertical Cutoff Wall. Ground Water, 2014, 52, 284-290.	1.3	4
53	Viscosity and salinity effect on thermal performance of bentonite-based grouts for ground heat exchanger. Applied Clay Science, 2014, 101, 455-460.	5.2	20
54	Analytical solution for transient groundwater flow during slug test in vertical cutoff walls. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 1855-1870.	3.3	3

#	Article	IF	Citations
55	A Prediction Model for Removal of Non-point Source Pollutant Considering Clogging Effect of Sand Filter Layers for Rainwater Recycling. Journal of the Korean Geotechnical Society, 2014, 30, 23-39.	0.1	0
56	Case Studies of PSDDF for Phased Placement of Dredged Soils. Marine Georesources and Geotechnology, 2013, 31, 348-359.	2.1	2
57	Effect of Real Bentonite Cake on Slug Test Analysis for Slurry Trench Wall. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1176-1190.	3.0	3
58	Compacted Soil Liner Interface Strength Importance. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 544-550.	3.0	14
59	Hydraulic Characteristics of Bentonite Cake Fabricated on Cutoff Walls. Clays and Clay Minerals, 2012, 60, 40-51.	1.3	14
60	Application of recycled aggregate porous concrete pile (RAPP) to improve soft ground. Journal of Material Cycles and Waste Management, 2012, 14, 360-370.	3.0	10
61	Pullout Resistance Increase of Soil Nailing Induced by Pressurized Grouting. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 604-613.	3.0	45
62	Performance evaluation of closed-loop vertical ground heat exchangers by conducting in-situ thermal response tests. Renewable Energy, 2012, 42, 77-83.	8.9	46
63	Evaluation of thermal performance of energy textile installed in Tunnel. Renewable Energy, 2012, 42, 11-22.	8.9	76
64	Evaluation of Ground Thermal Conductivity by Performing In-Situ Thermal Response test (TRT) and CFD Back-Analysis. Journal of the Korean Geotechnical Society, 2012, 28, 5-15.	0.1	5
65	Slug Test Analysis in Vertical Cutoff Walls with Consideration of Filter Cake. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 785-797.	3.0	11
66	Comparison of effective thermal conductivity in closed-loop vertical ground heat exchangers. Applied Thermal Engineering, 2011, 31, 3669-3676.	6.0	50
67	Numerical modeling of diffusion for volatile organic compounds through composite landfill liner systems. KSCE Journal of Civil Engineering, 2011, 15, 1033-1039.	1.9	7
68	Applicability of cement-based grout for ground heat exchanger considering heating-cooling cycles. Science China Technological Sciences, 2011, 54, 1661-1667.	4.0	27
69	Numerical simulation for thermal response test performance in closed-loop vertical ground heat exchanger. Science China Technological Sciences, 2011, 54, 1668-1673.	4.0	10
70	Characteristics of thermally-enhanced bentonite grouts for geothermal heat exchanger in South Korea. Science China Technological Sciences, 2010, 53, 123-128.	4.0	81
71	Numerical characterization of heat transfer in closed-loop vertical ground heat exchanger. Science China Technological Sciences, 2010, 53, 111-116.	4.0	7
72	Modification of the Bouwer and Rice Method to a Cutoff Wall with a Filter Cake. Ground Water, 2010, 48, 898-902.	1.3	8

#	Article	IF	Citations
73	Groutability of cementâ€based grout with consideration of viscosity and filtration phenomenon. International Journal for Numerical and Analytical Methods in Geomechanics, 2009, 33, 1771-1797.	3.3	73
74	Slope inclinometers for landslides. Landslides, 2008, 5, 339-350.	5.4	97
75	Slug Test Analysis to Evaluate Permeability of Compressible Materials. Ground Water, 2008, 46, 647-652.	1.3	13
76	Numerical Model for Analyzing Slug Tests in Vertical Cutoff Walls. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 1249-1258.	3.0	12
77	Slug Test Analysis in Vertical Cutoff Walls. II: Applications. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 439-447.	3.0	17
78	Slug Test Analysis in Vertical Cutoff Walls. I: Analysis Methods. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 429-438.	3.0	18
79	Drained Shear Strength Parameters for Analysis of Landslides. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 575-588.	3.0	165
80	Settlement of Dredged and Contaminated Material Placement Areas. II: Primary Consolidation, Secondary Compression, and Desiccation of Dredged Fill Input Parameters. Journal of Waterway, Port, Coastal and Ocean Engineering, 2005, 131, 52-61.	1.2	35
81	Settlement of Dredged and Contaminated Material Placement Areas. I: Theory and Use of Primary Consolidation, Secondary Compression, and Desiccation of Dredged Fill. Journal of Waterway, Port, Coastal and Ocean Engineering, 2005, 131, 43-51.	1.2	22