

Young-sang Kim

List of Publications by Year in descending order

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39
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citing authors

#	ARTICLE	IF	CITATIONS
1	Soil Classification from Piezocone Penetration Test Using Fuzzy Clustering and Neuro-Fuzzy Theory. Applied Sciences (Switzerland), 2022, 12, 4023.	2.5	0
2	Numerical analysis of static behavior of caisson-type quay wall deepened by grouting rubble-mound. International Journal of Geo-Engineering, 2021, 12, 1.	2.1	9
3	Time-Dependent Strength Behavior, Expansion, Microstructural Properties, and Environmental Impact of Basic Oxygen Furnace Slag-Treated Marine-Dredged Clay in South Korea. Sustainability, 2021, 13, 5026.	3.2	3
4	Evaluation of erosion characteristics of soils using the pinhole test. International Journal of Geo-Engineering, 2021, 12, 1.	2.1	1
5	Performance of a horizontal heat exchanger for ground heat pump system: Effects of groundwater level drop with soil's water thermal characteristics. Applied Thermal Engineering, 2021, 195, 117203.	6.0	20
6	Evaluation of erosion resistance capacity on compacted weathered granite soil using non-destructive tests. Bulletin of Engineering Geology and the Environment, 2020, 79, 907-923.	3.5	3
7	Utilization of controlled low strength material (CLSM) as a novel grout for geothermal systems: Laboratory and field experiments. Journal of Building Engineering, 2020, 29, 101110.	3.4	10
8	Development of thermally enhanced controlled low-strength material incorporating different types of steel-making slag for ground-source heat pump system. Renewable Energy, 2020, 150, 116-127.	8.9	30
9	Thermal conductivity of steelmaking slag-based controlled low-strength materials over entire range of degree of saturation: A study for ground source heat pump systems. Geothermics, 2020, 88, 101910.	3.4	14
10	Erosion resistance capacity of dredged marine clay treated with basic oxygen furnace slag. Soils and Foundations, 2020, 60, 257-265.	3.1	3
11	Feasibility of Reusing Marine Dredged Clay Stabilized by a Combination of By-Products in Coastal Road Construction. Transportation Research Record, 2019, 2673, 519-528.	1.9	14
12	Stabilization of a residual granitic soil using various new green binders. Construction and Building Materials, 2019, 223, 724-735.	7.2	34
13	Strength development and microstructural characteristics of soft dredged clay stabilized with basic oxygen furnace steel slag. Construction and Building Materials, 2019, 203, 501-513.	7.2	43
14	Utilization of marine dredged soil in controlled low-strength material used as a thermal grout in geothermal systems. Construction and Building Materials, 2019, 215, 613-622.	7.2	23
15	Evaluation of Coal Ash-Based CLSM Made with Cementless Binder as a Thermal Grout for Borehole Heat Exchangers. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	8
16	Development of a new cementless binder for controlled low strength material (CLSM) using entirely by-products. Construction and Building Materials, 2019, 206, 576-589.	7.2	45
17	Experimental evaluation of the effect of the incidence angle and consolidation pressure on the hydraulic resistance capacity of clayey soils. Soils and Foundations, 2019, 59, 110-121.	3.1	2
18	Utilization of by-product in controlled low-strength material for geothermal systems: Engineering performances, environmental impact, and cost analysis. Journal of Cleaner Production, 2018, 172, 909-920.	9.3	36

#	ARTICLE	IF	CITATIONS
19	Soil Stabilization by Using Alkaline-Activated Ground Bottom Ash Coupled with Red Mud. Lecture Notes in Civil Engineering, 2018, , 800-807.	0.4	2
20	Thermal conductivity of controlled low strength material (CLSM) under various degrees of saturation using a modified pressure plate extractor apparatus “ A case study for geothermal systems. Applied Thermal Engineering, 2018, 143, 607-613.	6.0	19
21	Development of a new cementless binder for marine dredged soil stabilization: Strength behavior, hydraulic resistance capacity, microstructural analysis, and environmental impact. Construction and Building Materials, 2018, 186, 263-275.	7.2	27
22	Influence of Humic Acid on the Strength Behavior of Cement-Treated Clay during Various Curing Stages. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	25
23	Strength and stiffness of cement-treated marine dredged clay at various curing stages. Construction and Building Materials, 2017, 132, 71-84.	7.2	86
24	Influence of curing conditions on engineering properties of controlled low strength material made with cementless binder. KSCE Journal of Civil Engineering, 2017, 21, 1774-1782.	1.9	16
25	Rheology of Fly Ash Mixed Tailings Slurries and Applicability of Prediction Models. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlook 2.0 17	2.0	17
26	Long-term monitoring of ground anchor tensile forces by FBG sensors embedded tendon. Smart Structures and Systems, 2017, 19, 269-277.	1.9	10
27	A reliable model to predict thermal conductivity of unsaturated weathered granite soils. International Communications in Heat and Mass Transfer, 2016, 74, 82-90.	5.6	31
28	Utilization of excavated soil in coal ash-based controlled low strength material (CLSM). Construction and Building Materials, 2016, 124, 598-605.	7.2	59
29	Studies on compressive strength of sand stabilized by alkali-activated ground bottom ash and cured at the ambient conditions. International Journal of Geo-Engineering, 2016, 7, 1.	2.1	10
30	Engineering properties of controlled low strength material (CLSM) incorporating red mud. International Journal of Geo-Engineering, 2016, 7, 1.	2.1	51
31	Prediction of load transfer depth for cost-effective design of ground anchors using FBG sensors embedded tendon and numerical analysis. Geomechanics and Engineering, 2016, 10, 737-755.	0.9	7
32	Improvement of engineering properties of pond ash based CLSM with cementless binder and artificial aggregates made of bauxite residue. International Journal of Geo-Engineering, 2015, 6, 1.	2.1	25
33	A new thermal conductivity estimation model for weathered granite soils in Korea. Geomechanics and Engineering, 2014, 6, 359-376.	0.9	18
34	FBG Sensors Encapsulated into 7-Wire Steel Strand for Tension Monitoring of a Prestressing Tendon. Advances in Structural Engineering, 2012, 15, 907-917.	2.4	50
35	Monitoring of tension force and load transfer of ground anchor by using optical FBG sensors embedded tendon. Smart Structures and Systems, 2011, 7, 303-317.	1.9	36
36	Enhancement of FBG Multiplexing Capability Using a Spectral Tag Method. IEEE Photonics Technology Letters, 2008, 20, 2013-2015.	2.5	6

#	ARTICLE	IF	CITATIONS
37	Spectral tag method for enhancing FBG multiplexing capability. , 2008, , .		0
38	Thermal Conductivity of Controlled Low Strength Material (CLSM) Made Entirely from By-Products. Key Engineering Materials, 0, 773, 244-248.	0.4	8