

Young-sang Kim

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

801
citations

471509

17
h-index

526287

27
g-index

39
all docs

39
docs citations

39
times ranked

526
citing authors

#	ARTICLE	IF	CITATIONS
1	Strength and stiffness of cement-treated marine dredged clay at various curing stages. <i>Construction and Building Materials</i> , 2017, 132, 71-84.	7.2	86
2	Utilization of excavated soil in coal ash-based controlled low strength material (CLSM). <i>Construction and Building Materials</i> , 2016, 124, 598-605.	7.2	59
3	Engineering properties of controlled low strength material (CLSM) incorporating red mud. <i>International Journal of Geo-Engineering</i> , 2016, 7, 1.	2.1	51
4	FBG Sensors Encapsulated into 7-Wire Steel Strand for Tension Monitoring of a Prestressing Tendon. <i>Advances in Structural Engineering</i> , 2012, 15, 907-917.	2.4	50
5	Development of a new cementless binder for controlled low strength material (CLSM) using entirely by-products. <i>Construction and Building Materials</i> , 2019, 206, 576-589.	7.2	45
6	Strength development and microstructural characteristics of soft dredged clay stabilized with basic oxygen furnace steel slag. <i>Construction and Building Materials</i> , 2019, 203, 501-513.	7.2	43
7	Utilization of by-product in controlled low-strength material for geothermal systems: Engineering performances, environmental impact, and cost analysis. <i>Journal of Cleaner Production</i> , 2018, 172, 909-920.	9.3	36
8	Monitoring of tension force and load transfer of ground anchor by using optical FBG sensors embedded tendon. <i>Smart Structures and Systems</i> , 2011, 7, 303-317.	1.9	36
9	Stabilization of a residual granitic soil using various new green binders. <i>Construction and Building Materials</i> , 2019, 223, 724-735.	7.2	34
10	A reliable model to predict thermal conductivity of unsaturated weathered granite soils. <i>International Communications in Heat and Mass Transfer</i> , 2016, 74, 82-90.	5.6	31
11	Development of thermally enhanced controlled low-strength material incorporating different types of steel-making slag for ground-source heat pump system. <i>Renewable Energy</i> , 2020, 150, 116-127.	8.9	30
12	Development of a new cementless binder for marine dredged soil stabilization: Strength behavior, hydraulic resistance capacity, microstructural analysis, and environmental impact. <i>Construction and Building Materials</i> , 2018, 186, 263-275.	7.2	27
13	Improvement of engineering properties of pond ash based CLSM with cementless binder and artificial aggregates made of bauxite residue. <i>International Journal of Geo-Engineering</i> , 2015, 6, 1.	2.1	25
14	Influence of Humic Acid on the Strength Behavior of Cement-Treated Clay during Various Curing Stages. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	2.9	25
15	Utilization of marine dredged soil in controlled low-strength material used as a thermal grout in geothermal systems. <i>Construction and Building Materials</i> , 2019, 215, 613-622.	7.2	23
16	Performance of a horizontal heat exchanger for ground heat pump system: Effects of groundwater level drop with soil's water thermal characteristics. <i>Applied Thermal Engineering</i> , 2021, 195, 117203.	6.0	20
17	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. <i>Applied Thermal Engineering</i> , 2018, 143, 607-613.	6.0	19
18	A new thermal conductivity estimation model for weathered granite soils in Korea. <i>Geomechanics and Engineering</i> , 2014, 6, 359-376.	0.9	18

#	ARTICLE	IF	CITATIONS
19	Rheology of Fly Ash Mixed Tailings Slurries and Applicability of Prediction Models. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlook	2.0	17
20	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
21	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
22	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
23	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
24	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
25	Long-term monitoring of ground anchor tensile forces by FBG sensors embedded tendon. Smart Structures and Systems, 2017, 19, 269-277.	1.9	10
26	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
27	Thermal Conductivity of Controlled Low Strength Material (CLSM) Made Entirely from By-Products. Key Engineering Materials, 0, 773, 244-248.	0.4	8
28	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
29	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
30	Enhancement of FBG Multiplexing Capability Using a Spectral Tag Method. IEEE Photonics Technology Letters, 2008, 20, 2013-2015.	2.5	6
31	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
32	Erosion resistance capacity of dredged marine clay treated with basic oxygen furnace slag. Soils and Foundations, 2020, 60, 257-265.	3.1	3
33	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
34	Soil Stabilization by Using Alkaline-Activated Ground Bottom Ash Coupled with Red Mud. Lecture Notes in Civil Engineering, 2018, , 800-807.	0.4	2
35	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
36	Evaluation of erosion characteristics of soils using the pinhole test. International Journal of Geo-Engineering, 2021, 12, 1.	2.1	1

#	ARTICLE	IF	CITATIONS
37	Spectral tag method for enhancing FBG multiplexing capability. , 2008, , .		0
38	Soil Classification from Piezocone Penetration Test Using Fuzzy Clustering and Neuro-Fuzzy Theory. Applied Sciences (Switzerland), 2022, 12, 4023.	2.5	0