Avirut Chinkulkijniwat

List of Publications by Year
in descending order

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45 papers	2,778 citations	279798 23 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	1703 citing authors

#	Article	IF	Citations
1	Analysis of strength development in cement-stabilized silty clay from microstructural considerations. Construction and Building Materials, 2010, 24, 2011-2021.	7.2	462
2	Soil Stabilization by Calcium Carbide Residue and Fly Ash. Journal of Materials in Civil Engineering, 2012, 24, 184-193.	2.9	225
3	Strength development in silty clay stabilized with calcium carbide residue and fly ash. Soils and Foundations, 2013, 53, 477-486.	3.1	190
4	Calcium carbide residue: Alkaline activator for clayâ€“fly ash geopolymer. Construction and Building Materials, 2014, 69, 285-294.	7.2	183
5	Stabilisation of marginal lateritic soil using high calcium fly ash-based geopolymer. Road Materials and Pavement Design, 2016, 17, 877-891.	4.0	144
6	Compressibility and permeability of Bangkok clay compared with kaolinite and bentonite. Applied Clay Science, 2011, 52, 150-159.	5.2	134
7	Influence of Wet-Dry Cycles on Compressive Strength of Calcium Carbide Residueâ€“Fly Ash Stabilized Clay. Journal of Materials in Civil Engineering, 2014, 26, 633-643.	2.9	131
8	Strength development in blended cement admixed saline clay. Applied Clay Science, 2012, 55, 44-52.	5.2	125
9	Recycled asphalt pavement â€“ fly ash geopolymers as a sustainable pavement base material: Strength and toxic leaching investigations. Science of the Total Environment, 2016, 573, 19-26.	8.0	101
10	Consolidation behavior of soilâ€“cement column improved ground. Computers and Geotechnics, 2012, 43, 37-50.	4.7	85
11	Effect of fly ash on properties of crushed brick and reclaimed asphalt in pavement base/subbase applications. Journal of Hazardous Materials, 2017, 321, 547-556.	12.4	81
12	Environmental impacts of utilizing waste steel slag aggregates as recycled road construction materials. Clean Technologies and Environmental Policy, 2017, 19, 949-958.	4.1	75
13	Strength and compressibility of lightweight cemented clays. Applied Clay Science, 2012, 69, 11-21.	5.2	74
14	Unit weight, strength and microstructure of a water treatment sludgeâ€“fly ash lightweight cellular geopolymer. Construction and Building Materials, 2015, 94, 807-816.	7.2	70
15	Durability against wettingâ€“drying cycles of sustainable Lightweight Cellular Cemented construction material comprising clay and fly ash wastes. Construction and Building Materials, 2015, 77, 41-49.	7.2	68
16	Strength of sustainable non-bearing masonry units manufactured from calcium carbide residue and fly ash. Construction and Building Materials, 2014, 71, 210-215.	7.2	66
17	Recycled glass as a supplementary filler material in spent coffee grounds geopolymers. Construction and Building Materials, 2017, 151, 18-27.	7.2	59
18	Pullout resistance of bearing reinforcement embedded in coarse-grained soils. Geotextiles and Geomembranes, 2013, 36, 44-54.	4.6	58

#	Article	IF	Citations
19	Recycled Concrete Aggregate Modified with Polyvinyl Alcohol and Fly Ash for Concrete Pavement Applications. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	33
20	Water-Void to Cement Ratio Identity of Lightweight Cellular-Cemented Material. Journal of Materials in Civil Engineering, 2014, 26, .	2.9	31
21	Field strength development of repaired pavement using the recycling technique. Quarterly Journal of Engineering Geology and Hydrogeology, 2012, 45, 221-229.	1.4	29
22	Compaction behavior of fine-grained soils, lateritic soils and crushed rocks. Soils and Foundations, 2013, 53, 166-172.	3.1	26
23	Performance of an earth wall stabilized with bearing reinforcements. Geotextiles and Geomembranes, 2011, 29, 514-524.	4.6	25
24	Marginal lateritic soil/crushed slag blends as an engineering fill material. Soils and Foundations, 2018, 58, 786-795.	3.1	24
25	Interface shear behaviours between recycled concrete aggregate and geogrids for pavement applications. International Journal of Pavement Engineering, 2020, 21, 228-235.	4.4	24
26	Improvement of flexural strength of concrete pavements using natural rubber latex. Construction and Building Materials, 2021, 282, 122704.	7.2	24
27	Wetting-drying cycles durability of cement stabilised marginal lateritic soil/melamine debris blends for pavement applications. Road Materials and Pavement Design, 2020, 21, 500-518.	4.0	22
28	Influence Factors Involving Rainfall-Induced Shallow Slope Failure: Numerical Study. International Journal of Geomechanics, 2017, 17, .	2.7	20
29	Stability characteristics of shallow landslide triggered by rainfall. Journal of Mountain Science, 2019, 16, 2171-2183.	2.0	20
30	Numerical analysis of bearing reinforcement earth (BRE) wall. Geotextiles and Geomembranes, 2012, 32, 28-37.	4.6	19
31	Cement stabilisation of recycled concrete aggregate modified with polyvinyl alcohol. International Journal of Pavement Engineering, 2022, 23, 349-357.	4.4	19
32	Effect of cumulative traffic and statistical predictive modelling of field skid resistance. Road Materials and Pavement Design, 2019, 20, 426-439.	4.0	18
33	Hydrological responses and stability analysis of shallow slopes with cohesionless soil subjected to continuous rainfall. Canadian Geotechnical Journal, 2016, 53, 2001-2013.	2.8	17
34	Properties of Asphalt Concrete Using Aggregates Composed of Limestone and Steel Slag Blends. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	16
35	Pullout resistance of bearing reinforcement embedded in marginal lateritic soil at molding water contents. Geotextiles and Geomembranes, 2016, 44, 475-483.	4.6	13
36	Failure of riverbank protection structure and remedial approach: A case study in Suraburi province, Thailand. Engineering Failure Analysis, 2018, 91, 243-254.	4.0	12

#	Article	IF	Citations
37	New threshold for landslide warning in the southern part of Thailand integrates cumulative rainfall with event rainfall depth-duration. Natural Hazards, 2022, 113, 125-141.	3.4	12
38	The potential micro-hydropower projects in Nakhon Ratchasima province, Thailand. Renewable Energy, 2011, 36, 1133-1137.	8.9	11
39	Compressibility of ultra-soft soil in the Mae Moh Mine, Thailand. Engineering Geology, 2020, 271, 105594.	6.3	11
40	Modeling of Coupled Mechanicalâ€“Hydrological Processes in Compressed-Air-Assisted Tunneling in Unconsolidated Sediments. Transport in Porous Media, 2015, 108, 105-129.	2.6	10
41	Numerical and sensitivity analysis of Bearing Reinforcement Earth (BRE) wall. KSCE Journal of Civil Engineering, 2017, 21, 195-208.	1.9	4
42	Mesoscale approach to numerical modelling of thermo-mechanical behaviour of concrete at high temperature. European Journal of Environmental and Civil Engineering, 2021, 25, 1329-1348.	2.1	4
43	Potential Micro-Hydropower Assessment in Mun River Basin, Thailand. , 2011, , .		3
44	Closure to â€œInfluence Factors Involving Rainfall-Induced Shallow Slope Failure: Numerical Studyâ€•by Somjai Yubonchit, Avirut Chinkulkijniwat, Suksun Horpibulsuk, Chatchai Jothityangkoon, Arul Arulrajah, and Apichat Suddeepong. International Journal of Geomechanics, 2018, 18, 07018004.	2.7	0
45	Steady-State Groundwater in Mechanical Stabilized Earth Walls of Various Dimensions with Geocomposite Back Drain Installation. International Journal of Geomechanics, 2021, 21, 04021017.	2.7	0