# Suksun Horpibulsuk

List of Publications by Year
in descending order



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|---|---|---|---|
| 334 papers | 15,809 citations | 12330 69 h-index | 25787 108 g-index |
| 336 all docs | 336 docs citations | 336 times ranked | 6401 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 | Assessment of strength development in cement-admixed high water content clays with Abrams' law as a basis. Geotechnique, 2003, 53, 439-444. | 4.0 | 305 |
| 3 | Strength development in clayâ€“fly ash geopolymer. Construction and Building Materials, 2013, 40, 566-574. | 7.2 | 300 |
| 4 | Engineering Behavior of Cement Stabilized Clay at High Water Content. Soils and Foundations, 2001, 41, 33-45. | 3.1 | 298 |
| 5 | Recycling waste rubber tyres in construction materials and associated environmental considerations: A review. Resources, Conservation and Recycling, 2020, 155, 104679. | 10.8 | 294 |
| 6 | Practical recycling applications of crushed waste glass in construction materials: A review. Construction and Building Materials, 2017, 156, 443-467. | 7.2 | 279 |
| 7 | Strength development in soft marine clay stabilized by fly ash and calcium carbide residue based geopolymer. Applied Clay Science, 2016, 127-128, 134-142. | 5.2 | 236 |
| 8 | Soil Stabilization by Calcium Carbide Residue and Fly Ash. Journal of Materials in Civil Engineering, 2012, 24, 184-193. | 2.9 | 225 |
| 9 | Physical properties and shear strength responses of recycled construction and demolition materials in unbound pavement base/subbase applications. Construction and Building Materials, 2014, 58, 245-257. | 7.2 | 218 |
| 10 | High calcium fly ash geopolymer stabilized lateritic soil and granulated blast furnace slag blends as a pavement base material. Journal of Hazardous Materials, 2018, 341, 257-267. | 12.4 | 215 |
| 11 | Improvement of Problematic Soils with Biopolymerâ€”An Environmentally Friendly Soil Stabilizer. Journal of Materials in Civil Engineering, 2017, 29, . | 2.9 | 207 |
| 12 | Clayâ€“Waterâˆ•Cement Ratio Identity for Cement Admixed Soft Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 187-192. | 3.0 | 200 |
| 13 | Assessment of strength development in blended cement admixed Bangkok clay. Construction and Building Materials, 2011, 25, 1521-1531. | 7.2 | 199 |
| 14 | Role of Fly Ash on Strength and Microstructure Development in Blended Cement Stabilized Silty Clay. Soils and Foundations, 2009, 49, 85-98. | 3.1 | 190 |
| 15 | Strength development in silty clay stabilized with calcium carbide residue and fly ash. Soils and Foundations, 2013, 53, 477-486. | 3.1 | 190 |
| 16 | Undrained Shear Behavior of Cement Admixed Clay at High Water Content. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 1096-1105. | 3.0 | 184 |
| 17 | Calcium carbide residue: Alkaline activator for clayâ€“fly ash geopolymer. Construction and Building Materials, 2014, 69, 285-294. | 7.2 | 183 |
| 18 | Factors influencing strength development in clayâ€“fly ash geopolymer. Construction and Building Materials, 2013, 47, 1125-1136. | 7.2 | 169 |

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| 19 | Jet grouting with a newly developed technology: The Twin-Jet method. Engineering Geology, 2013, 152, 87-95. | 6.3 | 167 |
| 20 | Nanoparticles in Construction Materials and Other Applications, and Implications of Nanoparticle Use. Materials, 2019, 12, 3052. | 2.9 | 161 |
| 21 | Compressive strength development in fly ash geopolymer masonry units manufactured from water treatment sludge. Construction and Building Materials, 2015, 82, 20-30. | 7.2 | 159 |
| 22 | Behaviour of cemented clay simulated via the theoretical framework of the Structured Cam Clay model. Computers and Geotechnics, 2010, 37, 1-9. | 4.7 | 157 |
| 23 | Strength development of Recycled Asphalt Pavement â€“ Fly ash geopolymer as a road construction material. Construction and Building Materials, 2016, 117, 209-219. | 7.2 | 151 |
| 24 | Modified Structured Cam Clay: A generalised critical state model for destructured, naturally structured and artificially structured clays. Computers and Geotechnics, 2010, 37, 956-968. | 4.7 | 150 |
| 25 | Flexural beam fatigue strength evaluation of crushed brick as a supplementary material in cement stabilized recycled concrete aggregates. Construction and Building Materials, 2014, 68, 667-676. | 7.2 | 150 |
| 26 | Stabilization of Recycled Demolition Aggregates by Geopolymers comprising Calcium Carbide Residue, Fly Ash and Slag precursors. Construction and Building Materials, 2016, 114, 864-873. | 7.2 | 148 |
| 27 | Stabilisation of marginal lateritic soil using high calcium fly ash-based geopolymer. Road Materials and Pavement Design, 2016, 17, 877-891. | 4.0 | 144 |
| 28 | Effect of wettingâ€“drying cycles on compressive strength and microstructure of recycled asphalt pavement â€“ Fly ash geopolymer. Construction and Building Materials, 2017, 144, 624-634. | 7.2 | 142 |
| 29 | Strength behavior and microstructural characteristics of soft clay stabilized with cement kiln dust and fly ash residue. Applied Clay Science, 2017, 141, 146-156. | 5.2 | 135 |
| 30 | Compressibility and permeability of Bangkok clay compared with kaolinite and bentonite. Applied Clay Science, 2011, 52, 150-159. | 5.2 | 134 |
| 31 | 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 |
| 32 | Assessment of engineering properties of Bangkok clay. Canadian Geotechnical Journal, 2007, 44, 173-187. | 2.8 | 130 |
| 33 | A field trial of horizontal jet grouting using the composite-pipe method in the soft deposits of Shanghai. Tunnelling and Underground Space Technology, 2013, 35, 142-151. | 6.2 | 129 |
| 34 | Compressibility of cement-admixed clays at high water content. Geotechnique, 2004, 54, 151-154. | 4.0 | 125 |
| 35 | Strength development in blended cement admixed saline clay. Applied Clay Science, 2012, 55, 44-52. | 5.2 | 125 |
| 36 | Strength Development in Cement Stabilized Low Plasticity and Coarse Grained Soils: Laboratory and Field Study. Soils and Foundations, 2006, 46, 351-366. | 3.1 | 124 |

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| 37 | Multi-scale laboratory evaluation of the physical, mechanical, and microstructural properties of soft highway subgrade soil stabilized with calcium carbide residue. Canadian Geotechnical Journal, 2016, 53, 373-383. | 2.8 | 124 |
| 38 | A review of studies on bricks using alternative materials and approaches. Construction and Building Materials, 2018, 188, 1101-1118. | 7.2 | 119 |
| 39 | A sustainable calcined water treatment sludge and rice husk ash geopolymer. Journal of Cleaner Production, 2016, 119, 128-134. | 9.3 | 116 |
| 40 | Engineering Properties of Silty Clay Stabilized with Calcium Carbide Residue. Journal of Materials in Civil Engineering, 2013, 25, 632-644. | 2.9 | 108 |
| 41 | Sulfate Resistance of Clay-Portland Cement and Clay High-Calcium Fly Ash Geopolymer. Journal of Materials in Civil Engineering, 2015, 27, . | 2.9 | 106 |
| 42 | Evaluation of fly ash- and slag-based geopolymers for the improvement of a soft marine clay by deep soil mixing. Soils and Foundations, 2018, 58, 1358-1370. | 3.1 | 106 |
| 43 | Field evaluation of soft highway subgrade soil stabilized with calcium carbide residue. Soils and Foundations, 2016, 56, 301-314. | 3.1 | 103 |
| 44 | Evaluation of the Strength Increase of Marine Clay under Staged Embankment Loading: A Case Study. Marine Georesources and Geotechnology, 2015, 33, 532-541. | 2.1 | 101 |
| 45 | 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 |
| 46 | Effects of industrial by-product based geopolymers on the strength development of a soft soil. Soils and Foundations, 2018, 58, 716-728. | 3.1 | 100 |
| 47 | Modulus of rupture evaluation of cement stabilized recycled glass/recycled concrete aggregate blends. Construction and Building Materials, 2015, 84, 146-155. | 7.2 | 99 |
| 48 | Strength and microstructure evaluation of recycled glass-fly ash geopolymer as low-carbon masonry units. Construction and Building Materials, 2016, 114, 400-406. | 7.2 | 95 |
| 49 | Stabilization of soft clay using short fibers and poly vinyl alcohol. Geotextiles and Geomembranes, 2018, 46, 646-655. | 4.6 | 95 |
| 50 | A critical state model for overconsolidated structured clays. Computers and Geotechnics, 2011, 38, 648-658. | 4.7 | 91 |
| 51 | Micro-structural analysis of strength development in low- and high swelling clays stabilized with magnesium chloride solution â€" A green soil stabilizer. Applied Clay Science, 2015, 118, 195-206. | 5.2 | 91 |
| 52 | Recycled plastic granules and demolition wastes as construction materials: Resilient moduli and strength characteristics. Construction and Building Materials, 2017, 147, 639-647. | 7.2 | 91 |
| 53 | Xanthan gum biopolymer: an eco-friendly additive for stabilization of tropical organic peat. Environmental Earth Sciences, 2016, 75, 1. | 2.7 | 90 |
| 54 | Recycling waste materials in geopolymer concrete. Clean Technologies and Environmental Policy, 2019, 21, 493-515. | 4.1 | 89 |

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| 55 | Strengthening montmorillonitic and kaolinitic clays using a calcium-based non-traditional additive: A micro-level study. Applied Clay Science, 2016, 132-133, 182-193. | 5.2 | 88 |
| 56 | Marginal Lateritic Soil Stabilized with Calcium Carbide Residue and Fly Ash Geopolymers as a Sustainable Pavement Base Material. Journal of Materials in Civil Engineering, 2017, 29, . | 2.9 | 88 |
| 57 | Strength assessment of spent coffee grounds-geopolymer cement utilizing slag and fly ash precursors. Construction and Building Materials, 2016, 115, 565-575. | 7.2 | 86 |
| 58 | Amazing Types, Properties, and Applications of Fibres in Construction Materials. Materials, 2019, 12, 2513. | 2.9 | 86 |
| 59 | Strength evaluation of utilizing recycled plastic waste and recycled crushed glass in concrete footpaths. Construction and Building Materials, 2019, 197, 489-496. | 7.2 | 86 |
| 60 | Consolidation behavior of soilâ€“cement column improved ground. Computers and Geotechnics, 2012, 43, 37-50. | 4.7 | 85 |
| 61 | Engineering properties of recycled Calcium Carbide Residue stabilized clay as fill and pavement materials. Construction and Building Materials, 2013, 46, 203-210. | 7.2 | 85 |
| 62 | Modelling the cutoff behavior of underground structure in multi-aquifer-aquitard groundwater system. Natural Hazards, 2013, 66, 731-748. | 3.4 | 84 |
| 63 | Strength and microstructure properties of spent coffee grounds stabilized with rice husk ash and slag geopolymers. Construction and Building Materials, 2017, 146, 312-320. | 7.2 | 82 |
| 64 | 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 |
| 65 | Engineering and environmental properties of foamed recycled glass as a lightweight engineering material. Journal of Cleaner Production, 2015, 94, 369-375. | 9.3 | 80 |
| 66 | Durability against Wettingâ€“Drying Cycles of Water Treatment Sludgeâ€“Fly Ash Geopolymer and Water Treatment Sludgeâ€“Cement and Silty Clayâ€“Cement Systems. Journal of Materials in Civil Engineering, 2016, 28, . | 2.9 | 80 |
| 67 | Cement kiln dust and fly ash blends as an alternative binder for the stabilization of demolition aggregates. Construction and Building Materials, 2017, 145, 218-225. | 7.2 | 79 |
| 68 | Three-dimensional numerical investigation on lateral movement and factor of safety of slopes stabilized with deep cement mixing column rows. Engineering Geology, 2015, 188, 159-167. | 6.3 | 78 |
| 69 | 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 |
| 70 | Strength and compressibility of lightweight cemented clays. Applied Clay Science, 2012, 69, 11-21. | 5.2 | 74 |
| 71 | 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 |
| 72 | Impact of field conditions on the strength development of a geopolymer stabilized marine clay. Applied Clay Science, 2019, 167, 33-42. | 5.2 | 70 |

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| 73 | Spent coffee grounds as a non-structural embankment fill material: engineering and environmental considerations. Journal of Cleaner Production, 2014, 72, 181-186. | 9.3 | 69 |
| 74 | An Approach for Assessment of Compaction Curves of Fine Grained Soils at Various Energies Using a One Point Test. Soils and Foundations, 2008, 48, 115-125. | 3.1 | 68 |
| 75 | 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 |
| 76 | Consolidation analysis of clayey deposits under vacuum pressure with horizontal drains. Geotextiles and Geomembranes, 2014, 42, 437-444. | 4.6 | 67 |
| 77 | Recent massive incidents for subway construction in soft alluvial deposits of Taiwan: A review. Tunnelling and Underground Space Technology, 2020, 96, 103178. | 6.2 | 67 |
| 78 | Pullout Resistance of Bearing Reinforcement Embedded in Sand. Soils and Foundations, 2010, 50, 215-226. | 3.1 | 66 |
| 79 | 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 |
| 80 | Recycled-Glass Blends in Pavement Base/Subbase Applications: Laboratory and Field Evaluation. Journal of Materials in Civil Engineering, 2014, 26, . | 2.9 | 64 |
| 81 | Spent Coffee Groundsâ€“Fly Ash Geopolymer Used as an Embankment Structural Fill Material. Journal of Materials in Civil Engineering, 2016, 28, . | 2.9 | 63 |
| 82 | Recycled waste foundry sand as a sustainable subgrade fill and pipe-bedding construction material: Engineering and environmental evaluation. Sustainable Cities and Society, 2017, 28, 343-349. | 10.4 | 62 |
| 83 | Practical approach to predict the shear strength of fibre-reinforced clay. Geosynthetics International, 2018, 25, 50-66. | 2.9 | 62 |
| 84 | Identifying parameters of advanced soil models using an enhanced transitional Markov chain Monte Carlo method. Acta Geotechnica, 2019, 14, 1925-1947. | 5.7 | 62 |
| 85 | Utilizing recycled PET blends with demolition wastes as construction materials. Construction and Building Materials, 2019, 221, 200-209. | 7.2 | 62 |
| 86 | Compressive strength and microstructural properties of spent coffee grounds-bagasse ash based geopolymers with slag supplements. Journal of Cleaner Production, 2017, 162, 1491-1501. | 9.3 | 60 |
| 87 | Recycled glass as a supplementary filler material in spent coffee grounds geopolymers. Construction and Building Materials, 2017, 151, 18-27. | 7.2 | 59 |
| 88 | Pullout resistance of bearing reinforcement embedded in coarse-grained soils. Geotextiles and Geomembranes, 2013, 36, 44-54. | 4.6 | 58 |
| 89 | Field performance of concrete pipes during jacking in cemented sandy silt. Tunnelling and Underground Space Technology, 2015, 49, 336-344. | 6.2 | 56 |
| 90 | Analysis of the behavior of DOT tunnel lining caused by rolling correction operation. Tunnelling and Underground Space Technology, 2009, 24, 84-90. | 6.2 | 54 |

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| 91 | Compressive and Flexural Strength of Polyvinyl Alcoholâ€“Modified Pavement Concrete Using Recycled Concrete Aggregates. Journal of Materials in Civil Engineering, 2018, 30, . | 2.9 | 54 |
| 92 | Estimation of the compression behaviour of reconstituted clays. Engineering Geology, 2013, 167, 84-94. | 6.3 | 53 |
| 93 | Palm oil fuel ash-soft soil geopolymer for subgrade applications: strength and microstructural evaluation. Road Materials and Pavement Design, 2019, 20, 110-131. | 4.0 | 53 |
| 94 | Effect of fine content on the pullout resistance mechanism of bearing reinforcement embedded in cohesiveâ€“frictional soils. Geotextiles and Geomembranes, 2015, 43, 107-117. | 4.6 | 52 |
| 95 | Sustainable Improvement of Clays Using Low-Carbon Nontraditional Additive. International Journal of Geomechanics, 2018, 18, . | 2.7 | 52 |
| 96 | Strength and Microstructural Study of Recycled Asphalt Pavement: Slag Geopolymer as a Pavement Base Material. Journal of Materials in Civil Engineering, 2018, 30, . | 2.9 | 52 |
| 97 | Flexural Strength Characteristics of Compacted Cement-Polypropylene Fiber Sand. Journal of Materials in Civil Engineering, 2015, 27, . | 2.9 | 51 |
| 98 | Mineralogy and geotechnical properties of Singapore marine clay at Changi. Soils and Foundations, 2015, 55, 600-613. | 3.1 | 51 |
| 99 | Influence of class F fly ash and curing temperature on strength development of fly ash-recycled concrete aggregate blends. Construction and Building Materials, 2016, 127, 743-750. | 7.2 | 51 |
| 100 | Analysis of strength development in deep mixing: a field study. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2004, 8, 59-68. | 1.0 | 49 |
| 101 | Shear strength of a fibre-reinforced clay at large shear displacement when subjected to different stress histories. Geotextiles and Geomembranes, 2017, 45, 422-429. | 4.6 | 48 |
| 102 | Modeling compression behavior of cement-treated zinc-contaminated clayey soils. Soils and Foundations, 2014, 54, 1018-1026. | 3.1 | 47 |
| 103 | Numerical analysis of lateral movements and strut forces in deep cement mixing walls with top-down construction in soft clay. Computers and Geotechnics, 2017, 88, 174-181. | 4.7 | 46 |
| 104 | Stiffness and deformation properties of spent coffee grounds based geopolymers. Construction and Building Materials, 2017, 138, 79-87. | 7.2 | 46 |
| 105 | Alkali-activation of fly ash and cement kiln dust mixtures for stabilization of demolition aggregates. Construction and Building Materials, 2018, 186, 71-78. | 7.2 | 46 |
| 106 | Development of genetic-based models for predicting the resilient modulus of cohesive pavement subgrade soils. Soils and Foundations, 2020, 60, 398-412. | 3.1 | 46 |
| 107 | Enhancing behavior of large volume underground concrete structure using expansive agents. Construction and Building Materials, 2016, 114, 49-55. | 7.2 | 45 |
| 108 | Laboratory Evaluation of Ladle Furnace Slag in Unbound Pavement-Base/Subbase Applications. Journal of Materials in Civil Engineering, 2017, 29, . | 2.9 | 45 |

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| 109 | Effect of lime kiln dust as an alternative binder in the stabilization of construction and demolition materials. Construction and Building Materials, 2017, 152, 999-1007. | 7.2 | 44 |
| 110 | Optimum model for bearing capacity of concrete-steel columns with AI technology via incorporating the algorithms of IWO and ABC. Engineering With Computers, 2021, 37, 797-807. | 6.1 | 43 |
| 111 | Sustainable Improvement of Marine Clay Using Recycled Blended Tiles. Geotechnical and Geological Engineering, 2018, 36, 3135-3147. | 1.7 | 42 |
| 112 | Strength development of recycled concrete aggregate stabilized with fly ash-rice husk ash based geopolymer as pavement base material. Road Materials and Pavement Design, 2020, 21, 2344-2355. | 4.0 | 42 |
| 113 | Fly ash based geopolymer stabilisation of silty clay/blast furnace slag for subgrade applications. Road Materials and Pavement Design, 2021, 22, 357-371. | 4.0 | 42 |
| 114 | Evaluation of Effective Depth of PVD Improvement in Soft Clay Deposit: A Field Case Study. Marine Georesources and Geotechnology, 2016, 34, 420-430. | 2.1 | 40 |
| 115 | Tire derived aggregates as a supplementary material with recycled demolition concrete for pavement applications. Journal of Cleaner Production, 2019, 230, 129-136. | 9.3 | 40 |
| 116 | Experimental investigation and modelling the deformation properties of demolition wastes subjected to freezeâ€“thaw cycles using ANN and SVR. Construction and Building Materials, 2020, 258, 119688. | 7.2 | 40 |
| 117 | Experimental and ANN analysis of temperature effects on the permanent deformation properties of demolition wastes. Transportation Geotechnics, 2020, 24, 100365. | 4.5 | 40 |
| 118 | Compressibility of lightweight cemented clays. Engineering Geology, 2013, 159, 59-66. | 6.3 | 39 |
| 119 | Strength and microstructure development in Bangkok clay stabilized with calcium carbide residue and biomass ash. ScienceAsia, 2013, 39, 186. | 0.5 | 39 |
| 120 | Effect of lime stabilization on the mechanical and micro-scale properties of recycled demolition materials. Sustainable Cities and Society, 2017, 30, 58-65. | 10.4 | 38 |
| 121 | Stiffness Properties of Recycled Concrete Aggregate with Polyethylene Plastic Granules in Unbound Pavement Applications. Journal of Materials in Civil Engineering, 2017, 29, . | 2.9 | 38 |
| 122 | Performance of Fiber-Reinforced Asphalt Concretes with Various Asphalt Binders in Thailand. Journal of Materials in Civil Engineering, 2018, 30, . | 2.9 | 38 |
| 123 | Swell-shrink Cycles of Lime Stabilized Expansive Subgrade. Procedia Engineering, 2016, 143, 615-622. | 1.2 | 37 |
| 124 | Engineering and Environmental Assessment of Recycled Construction and Demolition Materials Used with Geotextile for Permeable Pavements. Journal of Environmental Engineering, ASCE, 2015, 141, . | 1.4 | 36 |
| 125 | Effect of calcium-rich compounds on setting time and strength development of alkali-activated fly ash cured at ambient temperature. Case Studies in Construction Materials, 2018, 9, e00198. | 1.7 | 36 |
| 126 | Impact of potassium cations on the light chemical stabilization of construction and demolition wastes. Construction and Building Materials, 2019, 203, 69-74. | 7.2 | 36 |

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| 127 | Assessment of mechanical properties of cement stabilized soils. Case Studies in Construction Materials, 2019, 11, e00301. | 1.7 | 35 |
| 128 | Flexural fatigue strength of demolition aggregates stabilized with alkali-activated calcium carbide residue. Construction and Building Materials, 2019, 199, 115-123. | 7.2 | 35 |
| 129 | Laboratory measurements of factors affecting discharge capacity of prefabricated vertical drain materials. Soils and Foundations, 2016, 56, 129-137. | 3.1 | 33 |
| 130 | Solidificationâ€“Stabilization of Heavy Metalâ€“Contaminated Clays Using Gypsum: Multiscale Assessment. International Journal of Geomechanics, 2018, 18, . | 2.7 | 33 |
| 131 | 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 |
| 132 | Engineering properties of lightweight cellular cemented clayâ^'fly ash material. Soils and Foundations, 2015, 55, 471-483. | 3.1 | 32 |
| 133 | Mix design charts for lightweight cellular cemented Bangkok clay. Applied Clay Science, 2015, 104, 318-323. | 5.2 | 32 |
| 134 | Interface shear strength properties of geogrid-reinforced steel slags using a large-scale direct shear testing apparatus. Geotextiles and Geomembranes, 2020, 48, 625-633. | 4.6 | 32 |
| 135 | Physical and mechanical properties of natural rubber modified cement paste. Construction and Building Materials, 2020, 244, 118319. | 7.2 | 32 |
| 136 | Water-Void to Cement Ratio Identity of Lightweight Cellular-Cemented Material. Journal of Materials in Civil Engineering, 2014, 26, . | 2.9 | 31 |
| 137 | Stiffness and strength characteristics of demolition waste, glass and plastics in railway capping layers. Soils and Foundations, 2019, 59, 2238-2253. | 3.1 | 31 |
| 138 | Quality management of prefabricated vertical drain materials in mega land reclamation projects: A case study. Soils and Foundations, 2015, 55, 895-905. | 3.1 | 30 |
| 139 | Hydrogeochemical environment of aquifer groundwater in Shanghai and potential hazards to underground infrastructures. Natural Hazards, 2015, 78, 753-774. | 3.4 | 30 |
| 140 | Protection of neighbour buildings due to construction of shield tunnel in mixed ground with sand over weathered granite. Environmental Earth Sciences, 2016, 75, 1. | 2.7 | 30 |
| 141 | Analysis of a tunnel failure caused by leakage of the shield tail seal system. Underground Space (China), 2020, 5, 105-114. | 7.5 | 30 |
| 142 | Field strength development of repaired pavement using the recycling technique. Quarterly Journal of Engineering Geology and Hydrogeology, 2012, 45, 221-229. | 1.4 | 29 |
| 143 | Numerical parametric study on behavior of bearing reinforcement earth walls with different backfill material properties. Geosynthetics International, 2016, 23, 435-451. | 2.9 | 29 |
| 144 | Recovered plastic and demolition waste blends as railway capping materials. Transportation Geotechnics, 2020, 22, 100320. | 4.5 | 29 |

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| 145 | Engineering and environmental evaluation of spent coffee grounds stabilized with industrial by-products as a road subgrade material. Clean Technologies and Environmental Policy, 2017, 19, 63-75. | 4.1 | 28 |
| 146 | Water Treatment Sludgeâ€“Calcium Carbide Residue Geopolymers as Nonbearing Masonry Units. Journal of Materials in Civil Engineering, 2017, 29, . | 2.9 | 28 |
| 147 | Physical and Microstructure Properties of Geopolymer Nanocomposite Reinforced with Carbon Nanotubes. Materials Today: Proceedings, 2019, 17, 1682-1692. | 1.8 | 28 |
| 148 | Geohazards induced by anthropic activities of geoconstruction: a review of recent failure cases. Arabian Journal of Geosciences, 2016, 9, 1. | 1.3 | 27 |
| 149 | Performance Improvement of Asphalt Concretes Using Steel Slag as a Replacement Material. Journal of Materials in Civil Engineering, 2020, 32, . | 2.9 | 27 |
| 150 | Compaction behavior of fine-grained soils, lateritic soils and crushed rocks. Soils and Foundations, 2013, 53, 166-172. | 3.1 | 26 |
| 151 | Durability against wetting-drying cycles for cement-stabilized reclaimed asphalt pavement blended with crushed rock. Soils and Foundations, 2018, 58, 333-343. | 3.1 | 26 |
| 152 | Environmental and economic viability of Alkali Activated Material (AAM) comprising slag, fly ash and spent coffee ground. International Journal of Sustainable Engineering, 2019, 12, 223-232. | 3.5 | 26 |
| 153 | Shear Strength Improvement of Lateritic Soil Stabilized by Biopolymer Based Stabilizer. Geotechnical and Geological Engineering, 2019, 37, 5533-5541. | 1.7 | 26 |
| 154 | Mechanical Strength Improvement of Cement-Stabilized Soil Using Natural Rubber Latex for Pavement Base Applications. Journal of Materials in Civil Engineering, 2020, 32, . | 2.9 | 26 |
| 155 | Consolidation behavior of dredged ultra-soft soil improved with prefabricated vertical drain at the Mae Moh mine, Thailand. Geotextiles and Geomembranes, 2020, 48, 561-571. | 4.6 | 26 |
| 156 | Performance of an earth wall stabilized with bearing reinforcements. Geotextiles and Geomembranes, 2011, 29, 514-524. | 4.6 | 25 |
| 157 | Performances of SDCM and DCM walls under deep excavation in soft clay: Field tests and 3D simulations. Soils and Foundations, 2019, 59, 1728-1739. | 3.1 | 25 |
| 158 | Densification of Land Reclamation Sands by Deep Vibratory Compaction Techniques. Journal of Materials in Civil Engineering, 2014, 26, . | 2.9 | 24 |
| 159 | Evaluating the in-situ hydraulic conductivity of soft soil under land reclamation fills with the BAT permeameter. Engineering Geology, 2014, 168, 98-103. | 6.3 | 24 |
| 160 | Factors influencing unit weight and strength of lightweight cemented clay. Quarterly Journal of Engineering Geology and Hydrogeology, 2014, 47, 101-109. | 1.4 | 24 |
| 161 | Marginal lateritic soil/crushed slag blends as an engineering fill material. Soils and Foundations, 2018, 58, 786-795. | 3.1 | 24 |
| 162 | Utilization of Alkali-Activated Fly Ash for Construction of Deep Mixed Columns in Loose Sands. Journal of Materials in Civil Engineering, 2019, 31, . | 2.9 | 24 |

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| 163 | Strength prediction of cement-stabilised reclaimed asphalt pavement and lateritic soil blends. International Journal of Pavement Engineering, 2019, 20, 332-338. | 4.4 | 24 |
| 164 | Interface shear behaviours between recycled concrete aggregate and geogrids for pavement applications. International Journal of Pavement Engineering, 2020, 21, 228-235. | 4.4 | 24 |
| 165 | Shear strength properties and stressâ€“strain behavior of waste foundry sand. Construction and Building Materials, 2020, 249, 118761. | 7.2 | 24 |
| 166 | Improvement of flexural strength of concrete pavements using natural rubber latex. Construction and Building Materials, 2021, 282, 122704. | 7.2 | 24 |
| 167 | State of the art in strength development of soilâ€“cement columns. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2012, 165, 201-215. | 1.0 | 23 |
| 168 | Earth pressures on the trenched HDPE pipes in fine-grained soils during construction phase: Full-scale field trial and finite element modeling. Transportation Geotechnics, 2017, 12, 56-69. | 4.5 | 23 |
| 169 | Strength and Microstructure of Palm Oil Fuel Ashâ€“Fly Ashâ€“Soft Soil Geopolymer Masonry Units. Journal of Materials in Civil Engineering, 2019, 31, . | 2.9 | 23 |
| 170 | Stiffness and strength properties of spent coffee grounds-recycled glass geopolymers. Road Materials and Pavement Design, 2019, 20, 623-638. | 4.0 | 23 |
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