

Arul Arulrajah

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7905297/arul-arulrajah-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

310
papers

8,637
citations

53
h-index

77
g-index

324
ext. papers

10,732
ext. citations

4
avg, IF

6.95
L-index

#	Paper	IF	Citations
310	Geotechnical and Geoenvironmental Properties of Recycled Construction and Demolition Materials in Pavement Subbase Applications. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 1077-1088	3	263
309	Flood risk assessment in metro systems of mega-cities using a GIS-based modeling approach. <i>Science of the Total Environment</i> , 2018 , 626, 1012-1025	10.2	184
308	Physical properties and shear strength responses of recycled construction and demolition materials in unbound pavement base/subbase applications. <i>Construction and Building Materials</i> , 2014 , 58, 245-257	6.7	170
307	Practical recycling applications of crushed waste glass in construction materials: A review. <i>Construction and Building Materials</i> , 2017 , 156, 443-467	6.7	168
306	Strength development in soft marine clay stabilized by fly ash and calcium carbide residue based geopolymer. <i>Applied Clay Science</i> , 2016 , 127-128, 134-142	5.2	151
305	Calcium carbide residue: Alkaline activator for clay fly ash geopolymer. <i>Construction and Building Materials</i> , 2014 , 69, 285-294	6.7	135
304	Recycling waste rubber tyres in construction materials and associated environmental considerations: A review. <i>Resources, Conservation and Recycling</i> , 2020 , 155, 104679	11.9	126
303	Flexural beam fatigue strength evaluation of crushed brick as a supplementary material in cement stabilized recycled concrete aggregates. <i>Construction and Building Materials</i> , 2014 , 68, 667-676	6.7	125
302	High calcium fly ash geopolymer stabilized lateritic soil and granulated blast furnace slag blends as a pavement base material. <i>Journal of Hazardous Materials</i> , 2018 , 341, 257-267	12.8	123
301	Suitability of recycled construction and demolition aggregates as alternative pipe backfilling materials. <i>Journal of Cleaner Production</i> , 2014 , 66, 75-84	10.3	121
300	Compressive strength development in fly ash geopolymer masonry units manufactured from water treatment sludge. <i>Construction and Building Materials</i> , 2015 , 82, 20-30	6.7	116
299	Recycled crushed glass in road work applications. <i>Waste Management</i> , 2011 , 31, 2341-51	8.6	112
298	Environmental risks of using recycled crushed glass in road applications. <i>Journal of Cleaner Production</i> , 2012 , 20, 170-179	10.3	111
297	Strength development of Recycled Asphalt Pavement Fly ash geopolymer as a road construction material. <i>Construction and Building Materials</i> , 2016 , 117, 209-219	6.7	107
296	Laboratory Evaluation of the Use of Cement-Treated Construction and Demolition Materials in Pavement Base and Subbase Applications. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04014186	3	105
295	Laboratory evaluation on the effectiveness of polypropylene fibers on the strength of fiber-reinforced and cement-stabilized Shanghai soft clay. <i>Geotextiles and Geomembranes</i> , 2015 , 43, 515-523	5.2	101
294	Geotechnical Properties of Recycled Crushed Brick in Pavement Applications. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 1444-1452	3	101

293	Stabilization of Recycled Demolition Aggregates by Geopolymers comprising Calcium Carbide Residue, Fly Ash and Slag precursors. <i>Construction and Building Materials</i> , 2016 , 114, 864-873	6.7	101
292	Reclaimed Asphalt Pavement and Recycled Concrete Aggregate Blends in Pavement Subbases: Laboratory and Field Evaluation. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 349-357	3	100
291	A simple approach for characterising tunnel bore conditions based upon pipe-jacking data. <i>Tunnelling and Underground Space Technology</i> , 2018 , 71, 494-504	5.7	99
290	Effect of wetting-drying cycles on compressive strength and microstructure of recycled asphalt pavement (Fly ash geopolymer). <i>Construction and Building Materials</i> , 2017 , 144, 624-634	6.7	98
289	Geotechnical characteristics of recycled crushed brick blends for pavement sub-base applications. <i>Canadian Geotechnical Journal</i> , 2012 , 49, 796-811	3.2	91
288	Stabilisation of marginal lateritic soil using high calcium fly ash-based geopolymer. <i>Road Materials and Pavement Design</i> , 2016 , 17, 877-891	2.6	90
287	Multi-scale laboratory evaluation of the physical, mechanical, and microstructural properties of soft highway subgrade soil stabilized with calcium carbide residue. <i>Canadian Geotechnical Journal</i> , 2016 , 53, 373-383	3.2	86
286	Recycled construction and demolition materials in permeable pavement systems: geotechnical and hydraulic characteristics. <i>Journal of Cleaner Production</i> , 2015 , 90, 183-194	10.3	85
285	Stabilization of Demolition Materials for Pavement Base/Subbase Applications Using Fly Ash and Slag Geopolymers: Laboratory Investigation. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04016033 ³		85
284	Assessment of Geohazards and Preventative Countermeasures Using AHP Incorporated with GIS in Lanzhou, China. <i>Sustainability</i> , 2018 , 10, 304	3.6	79
283	Modulus of rupture evaluation of cement stabilized recycled glass/recycled concrete aggregate blends. <i>Construction and Building Materials</i> , 2015 , 84, 146-155	6.7	78
282	Field evaluation of soft highway subgrade soil stabilized with calcium carbide residue. <i>Soils and Foundations</i> , 2016 , 56, 301-314	2.9	77
281	Strength and microstructure evaluation of recycled glass-fly ash geopolymer as low-carbon masonry units. <i>Construction and Building Materials</i> , 2016 , 114, 400-406	6.7	77
280	Recycled asphalt pavement - fly ash geopolymers as a sustainable pavement base material: Strength and toxic leaching investigations. <i>Science of the Total Environment</i> , 2016 , 573, 19-26	10.2	73
279	In-situ solidification/stabilization of heavy metals contaminated site soil using a dry jet mixing method and new hydroxyapatite based binder. <i>Journal of Hazardous Materials</i> , 2019 , 369, 353-361	12.8	70
278	Nanoparticles in Construction Materials and Other Applications, and Implications of Nanoparticle Use. <i>Materials</i> , 2019 , 12,	3.5	68
277	Impact of particle shape on breakage of recycled construction and demolition aggregates. <i>Powder Technology</i> , 2017 , 308, 1-12	5.2	66
276	Stabilization of soft clay using short fibers and poly vinyl alcohol. <i>Geotextiles and Geomembranes</i> , 2018 , 46, 646-655	5.2	66

275	Prediction Model of TBM Disc Cutter Wear During Tunnelling in Heterogeneous Ground. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 3599-3611	5.7	65
274	Strength assessment of spent coffee grounds-geopolymer cement utilizing slag and fly ash precursors. <i>Construction and Building Materials</i> , 2016 , 115, 565-575	6.7	65
273	A review of studies on bricks using alternative materials and approaches. <i>Construction and Building Materials</i> , 2018 , 188, 1101-1118	6.7	65
272	Evaluation of Interface Shear Strength Properties of Geogrid-Reinforced Construction and Demolition Materials Using a Modified Large-Scale Direct Shear Testing Apparatus. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 974-982	3	64
271	Evaluation of ground loss ratio with moving trajectories induced in double-O-tube (DOT) tunnelling. <i>Canadian Geotechnical Journal</i> , 2018 , 55, 894-902	3.2	63
270	Engineering and environmental properties of foamed recycled glass as a lightweight engineering material. <i>Journal of Cleaner Production</i> , 2015 , 94, 369-375	10.3	61
269	Spent coffee grounds as a non-structural embankment fill material: engineering and environmental considerations. <i>Journal of Cleaner Production</i> , 2014 , 72, 181-186	10.3	61
268	Durability against Wetting/Drying Cycles of Water Treatment Sludge/Fly Ash Geopolymer and Water Treatment Sludge/Cement and Silty Clay/Cement Systems. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04015078	3	60
267	Marginal Lateritic Soil Stabilized with Calcium Carbide Residue and Fly Ash Geopolymers as a Sustainable Pavement Base Material. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04016195	3	60
266	Cement kiln dust and fly ash blends as an alternative binder for the stabilization of demolition aggregates. <i>Construction and Building Materials</i> , 2017 , 145, 218-225	6.7	59
265	Resilient Modulus and Permanent Deformation Responses of Geogrid-Reinforced Construction and Demolition Materials. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 512-519	3	59
264	Effect of fly ash on properties of crushed brick and reclaimed asphalt in pavement base/subbase applications. <i>Journal of Hazardous Materials</i> , 2017 , 321, 547-556	12.8	59
263	Recycled plastic granules and demolition wastes as construction materials: Resilient moduli and strength characteristics. <i>Construction and Building Materials</i> , 2017 , 147, 639-647	6.7	58
262	Tunneling induced geohazards in mylonitic rock faults with rich groundwater: A case study in Guangzhou. <i>Tunnelling and Underground Space Technology</i> , 2018 , 74, 262-272	5.7	58
261	Unit weight, strength and microstructure of a water treatment sludge/fly ash lightweight cellular geopolymer. <i>Construction and Building Materials</i> , 2015 , 94, 807-816	6.7	57
260	Geotechnical Performance of Recycled Glass-Waste Rock Blends in Footpath Bases. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 653-661	3	55
259	Strength evaluation of utilizing recycled plastic waste and recycled crushed glass in concrete footpaths. <i>Construction and Building Materials</i> , 2019 , 197, 489-496	6.7	54
258	Durability against wetting/drying cycles of sustainable Lightweight Cellular Cemented construction material comprising clay and fly ash wastes. <i>Construction and Building Materials</i> , 2015 , 77, 41-49	6.7	53

257	Recycling waste materials in geopolymer concrete. <i>Clean Technologies and Environmental Policy</i> , 2019 , 21, 493-515	4.3	53
256	Strength and microstructure properties of spent coffee grounds stabilized with rice husk ash and slag geopolymers. <i>Construction and Building Materials</i> , 2017 , 146, 312-320	6.7	52
255	Effects of industrial by-product based geopolymers on the strength development of a soft soil. <i>Soils and Foundations</i> , 2018 , 58, 716-728	2.9	52
254	Practical approach to predict the shear strength of fibre-reinforced clay. <i>Geosynthetics International</i> , 2018 , 25, 50-66	3.3	52
253	Lubrication performance of pipejacking in soft alluvial deposits. <i>Tunnelling and Underground Space Technology</i> , 2019 , 91, 102991	5.7	52
252	Geotechnical Properties of Waste Excavation Rock in Pavement Subbase Applications. <i>Journal of Materials in Civil Engineering</i> , 2012 , 24, 924-932	3	50
251	Evaluation of fly ash- and slag-based geopolymers for the improvement of a soft marine clay by deep soil mixing. <i>Soils and Foundations</i> , 2018 , 58, 1358-1370	2.9	49
250	Strength of sustainable non-bearing masonry units manufactured from calcium carbide residue and fly ash. <i>Construction and Building Materials</i> , 2014 , 71, 210-215	6.7	48
249	Spent Coffee Grounds Fly Ash Geopolymer Used as an Embankment Structural Fill Material. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04015197	3	46
248	Select chemical and engineering properties of wastewater biosolids. <i>Waste Management</i> , 2011 , 31, 2522866		46
247	Possible environmental impacts of recycled glass used as a pavement base material. <i>Waste Management and Research</i> , 2012 , 30, 917-21	4	46
246	Mineralogy and geotechnical properties of Singapore marine clay at Changi. <i>Soils and Foundations</i> , 2015 , 55, 600-613	2.9	45
245	Compressive strength and microstructural properties of spent coffee grounds-bagasse ash based geopolymers with slag supplements. <i>Journal of Cleaner Production</i> , 2017 , 162, 1491-1501	10.3	44
244	Recycled glass as a supplementary filler material in spent coffee grounds geopolymers. <i>Construction and Building Materials</i> , 2017 , 151, 18-27	6.7	43
243	Environmental impacts of utilizing waste steel slag aggregates as recycled road construction materials. <i>Clean Technologies and Environmental Policy</i> , 2017 , 19, 949-958	4.3	43
242	Field evaluation of a new hydroxyapatite based binder for ex-situ solidification/stabilization of a heavy metal contaminated site soil around a Pb-Zn smelter. <i>Construction and Building Materials</i> , 2019 , 210, 278-288	6.7	42
241	Geological and hydrogeological environment in Tianjin with potential geohazards and groundwater control during excavation. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	42
240	Utilizing recycled PET blends with demolition wastes as construction materials. <i>Construction and Building Materials</i> , 2019 , 221, 200-209	6.7	41

239	Influence of class F fly ash and curing temperature on strength development of fly ash-recycled concrete aggregate blends. <i>Construction and Building Materials</i> , 2016 , 127, 743-750	6.7	41
238	Characteristics of Singapore Marine Clay at Changi. <i>Geotechnical and Geological Engineering</i> , 2008 , 26, 431-441	1.5	41
237	Impact of field conditions on the strength development of a geopolymer stabilized marine clay. <i>Applied Clay Science</i> , 2019 , 167, 33-42	5.2	41
236	Stiffness and deformation properties of spent coffee grounds based geopolymers. <i>Construction and Building Materials</i> , 2017 , 138, 79-87	6.7	39
235	Recycled waste foundry sand as a sustainable subgrade fill and pipe-bedding construction material: Engineering and environmental evaluation. <i>Sustainable Cities and Society</i> , 2017 , 28, 343-349	10.1	39
234	Factors affecting field instrumentation assessment of marine clay treated with prefabricated vertical drains. <i>Geotextiles and Geomembranes</i> , 2004 , 22, 415-437	5.2	39
233	Shear strength of a fibre-reinforced clay at large shear displacement when subjected to different stress histories. <i>Geotextiles and Geomembranes</i> , 2017 , 45, 422-429	5.2	37
232	Amazing Types, Properties, and Applications of Fibres in Construction Materials. <i>Materials</i> , 2019 , 12,	3.5	37
231	Utilization of recycled concrete aggregates for light-stabilization of clay soils. <i>Construction and Building Materials</i> , 2019 , 227, 116792	6.7	37
230	Effect of lime kiln dust as an alternative binder in the stabilization of construction and demolition materials. <i>Construction and Building Materials</i> , 2017 , 152, 999-1007	6.7	36
229	Effect of fiber reinforcement on shear strength and void ratio of soft clay. <i>Geosynthetics International</i> , 2018 , 25, 471-480	3.3	36
228	Effect of fine content on the pullout resistance mechanism of bearing reinforcement embedded in cohesive frictional soils. <i>Geotextiles and Geomembranes</i> , 2015 , 43, 107-117	5.2	35
227	Polymers for Stabilization of Soft Clay Soils. <i>Procedia Engineering</i> , 2017 , 189, 25-32		34
226	Laboratory Evaluation of Ladle Furnace Slag in Unbound Pavement-Base/Subbase Applications. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04016197	3	34
225	A review of jet grouting practice and development. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	33
224	Strength Development and Microfabric Structure of Construction and Demolition Aggregates Stabilized with Fly Ash Based Geopolymers. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04016141	3	32
223	Laboratory Evaluation of the Geotechnical Characteristics of Wastewater Biosolids in Road Embankments. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 1682-1691	3	32
222	Palm oil fuel ash-soft soil geopolymer for subgrade applications: strength and microstructural evaluation. <i>Road Materials and Pavement Design</i> , 2019 , 20, 110-131	2.6	32

221	Cutter-disc consumption during earth pressure balance tunnelling in mixed strata. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2018 , 171, 363-376	0.9	31
220	Alkali-activation of fly ash and cement kiln dust mixtures for stabilization of demolition aggregates. <i>Construction and Building Materials</i> , 2018 , 186, 71-78	6.7	31
219	Enhancing behavior of large volume underground concrete structure using expansive agents. <i>Construction and Building Materials</i> , 2016 , 114, 49-55	6.7	31
218	Strength and Microstructural Study of Recycled Asphalt Pavement: Slag Geopolymer as a Pavement Base Material. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04018177	3	30
217	Swell-shrink Cycles of Lime Stabilized Expansive Subgrade. <i>Procedia Engineering</i> , 2016 , 143, 615-622		29
216	Performance of Fiber-Reinforced Asphalt Concretes with Various Asphalt Binders in Thailand. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04018193	3	29
215	Flooding Hazards across Southern China and Prospective Sustainability Measures. <i>Sustainability</i> , 2018 , 10, 1682	3.6	29
214	Effect of lime stabilization on the mechanical and micro-scale properties of recycled demolition materials. <i>Sustainable Cities and Society</i> , 2017 , 30, 58-65	10.1	28
213	Compressive and Flexural Strength of Polyvinyl Alcohol Modified Pavement Concrete Using Recycled Concrete Aggregates. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04018046	3	28
212	Water-Void to Cement Ratio Identity of Lightweight Cellular-Cemented Material. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 06014021	3	28
211	Engineering properties of lightweight cellular cemented clay fly ash material. <i>Soils and Foundations</i> , 2015 , 55, 471-483	2.9	28
210	Impact of potassium cations on the light chemical stabilization of construction and demolition wastes. <i>Construction and Building Materials</i> , 2019 , 203, 69-74	6.7	27
209	Experimental and ANN analysis of temperature effects on the permanent deformation properties of demolition wastes. <i>Transportation Geotechnics</i> , 2020 , 24, 100365	4	26
208	Stiffness Properties of Recycled Concrete Aggregate with Polyethylene Plastic Granules in Unbound Pavement Applications. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04016271	3	26
207	Progressive Internal Erosion in a Gap-Graded Internally Unstable Soil: Mechanical and Geometrical Effects. <i>International Journal of Geomechanics</i> , 2018 , 18, 04017160	3.1	25
206	Flexural fatigue strength of demolition aggregates stabilized with alkali-activated calcium carbide residue. <i>Construction and Building Materials</i> , 2019 , 199, 115-123	6.7	25
205	Recent Advances in Horizontal Jet Grouting (HJG): An Overview. <i>Arabian Journal for Science and Engineering</i> , 2018 , 43, 1543-1560	2.5	25
204	Recycled Concrete Aggregate Modified with Polyvinyl Alcohol and Fly Ash for Concrete Pavement Applications. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019103	3	24

203	Small-Strain Behavior of Cement-Stabilized Recycled Concrete Aggregate in Pavement Base Layers. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019044	3	24
202	Engineering and Environmental Assessment of Recycled Construction and Demolition Materials Used with Geotextile for Permeable Pavements. <i>Journal of Environmental Engineering, ASCE</i> , 2015 , 141, 04015019	2	24
201	Laboratory measurements of factors affecting discharge capacity of prefabricated vertical drain materials. <i>Soils and Foundations</i> , 2016 , 56, 129-137	2.9	24
200	Piezometer measurements of prefabricated vertical drain improvement of soft soils under land reclamation fill. <i>Engineering Geology</i> , 2013 , 162, 33-42	6	24
199	Mechanical Consequences of Suffusion on Undrained Behaviour of a Gap-Graded Cohesionless Soil - An Experimental Approach. <i>Geotechnical Testing Journal</i> , 2017 , 40, 20160145	1.3	24
198	Development of genetic-based models for predicting the resilient modulus of cohesive pavement subgrade soils. <i>Soils and Foundations</i> , 2020 , 60, 398-412	2.9	22
197	Experimental investigation and modelling the deformation properties of demolition wastes subjected to freeze-thaw cycles using ANN and SVR. <i>Construction and Building Materials</i> , 2020 , 258, 119688	6.7	22
196	The hydraulic conductivity of Singapore Marine Clay at Changi. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 1998 , 31, 291-299	1.4	22
195	Engineering and environmental evaluation of spent coffee grounds stabilized with industrial by-products as a road subgrade material. <i>Clean Technologies and Environmental Policy</i> , 2017 , 19, 63-75	4.3	21
194	Development of groundwater vulnerability zones in a data-scarce eogenetic karst area using Head-Guided Zonation and particle-tracking simulation methods. <i>Water Research</i> , 2017 , 122, 17-26	12.5	21
193	Quality management of prefabricated vertical drain materials in mega land reclamation projects: A case study. <i>Soils and Foundations</i> , 2015 , 55, 895-905	2.9	21
192	Long-term settlement prediction for wastewater biosolids in road embankments. <i>Resources, Conservation and Recycling</i> , 2013 , 77, 69-77	11.9	21
191	Evaluating the in-situ hydraulic conductivity of soft soil under land reclamation fills with the BAT permeameter. <i>Engineering Geology</i> , 2014 , 168, 98-103	6	21
190	Interface shear behaviours between recycled concrete aggregate and geogrids for pavement applications. <i>International Journal of Pavement Engineering</i> , 2020 , 21, 228-235	2.6	21
189	Shear and Compression Characteristics of Recycled Glass-Tire Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 06017003	3	20
188	Tire derived aggregates as a supplementary material with recycled demolition concrete for pavement applications. <i>Journal of Cleaner Production</i> , 2019 , 230, 129-136	10.3	20
187	Improvement of marginal lateritic soil using Melamine Debris replacement for sustainable engineering fill materials. <i>Journal of Cleaner Production</i> , 2016 , 134, 515-522	10.3	20
186	State-Of-The-Art Review of Geosynthetic Clay Liners. <i>Sustainability</i> , 2017 , 9, 2110	3.6	20

185	Densification of Land Reclamation Sands by Deep Vibratory Compaction Techniques. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 06014016	3	20
184	Determination of c and ϕ from IDT and Unconfined Compression Testing and Numerical Analysis. <i>Journal of Materials in Civil Engineering</i> , 2012 , 24, 1153-1164	3	20
183	Laboratory Validation of Ultra-Soft Soil Deformation Model. <i>Geotechnical and Geological Engineering</i> , 2011 , 29, 65-74	1.5	20
182	Recovered plastic and demolition waste blends as railway capping materials. <i>Transportation Geotechnics</i> , 2020 , 22, 100320	4	19
181	Geohazards induced by anthropic activities of geoconstruction: a review of recent failure cases. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	19
180	Prediction of Ground Deformation during Pipe-Jacking Considering Multiple Factors. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1051	2.6	19
179	Earth pressures on the trenched HDPE pipes in fine-grained soils during construction phase: Full-scale field trial and finite element modeling. <i>Transportation Geotechnics</i> , 2017 , 12, 56-69	4	19
178	Strength development of recycled concrete aggregate stabilized with fly ash-rice husk ash based geopolymer as pavement base material. <i>Road Materials and Pavement Design</i> , 2020 , 21, 2344-2355	2.6	19
177	Impact of compaction method on mechanical characteristics of unbound granular recycled materials. <i>Road Materials and Pavement Design</i> , 2018 , 19, 912-934	2.6	18
176	Environmental and economic viability of Alkali Activated Material (AAM) comprising slag, fly ash and spent coffee ground. <i>International Journal of Sustainable Engineering</i> , 2019 , 12, 223-232	3.1	18
175	Fly ash based geopolymer stabilisation of silty clay/blast furnace slag for subgrade applications. <i>Road Materials and Pavement Design</i> , 2021 , 22, 357-371	2.6	18
174	Ground Investigations for Changi East Reclamation Projects. <i>Geotechnical and Geological Engineering</i> , 2012 , 30, 45-62	1.5	17
173	Fine recycled glass: a sustainable alternative to natural aggregates. <i>International Journal of Geotechnical Engineering</i> , 2011 , 5, 255-266	1.5	17
172	Variation of hydro-environment during past four decades with underground sponge city planning to control flash floods in Wuhan, China: An overview. <i>Underground Space (China)</i> , 2020 , 5, 184-198	3.7	17
171	Water Treatment Sludge-Calcium Carbide Residue Geopolymers as Nonbearing Masonry Units. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04017095	3	16
170	Recycled concrete aggregate/municipal glass blends as a low-carbon resource material for footpaths. <i>Road Materials and Pavement Design</i> , 2018 , 19, 727-740	2.6	16
169	Dynamic characterization of recycled glass-recycled concrete blends using experimental analysis and artificial neural network modeling. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 142, 106544	3.5	16
168	Thermal and mechanical properties of demolition wastes in geothermal pavements by experimental and machine learning techniques. <i>Construction and Building Materials</i> , 2021 , 280, 122499	6.7	16

167	Stiffness and strength characteristics of demolition waste, glass and plastics in railway capping layers. <i>Soils and Foundations</i> , 2019 , 59, 2238-2253	2.9	16
166	Strength prediction of cement-stabilised reclaimed asphalt pavement and lateritic soil blends. <i>International Journal of Pavement Engineering</i> , 2019 , 20, 332-338	2.6	16
165	Analysis of a tunnel failure caused by leakage of the shield tail seal system. <i>Underground Space (China)</i> , 2020 , 5, 105-114	3.7	16
164	Interface shear strength properties of geogrid-reinforced steel slags using a large-scale direct shear testing apparatus. <i>Geotextiles and Geomembranes</i> , 2020 , 48, 625-633	5.2	15
163	Durability against wetting-drying cycles for cement-stabilized reclaimed asphalt pavement blended with crushed rock. <i>Soils and Foundations</i> , 2018 , 58, 333-343	2.9	15
162	Physical and mechanical properties of natural rubber modified cement paste. <i>Construction and Building Materials</i> , 2020 , 244, 118319	6.7	15
161	Post-breakage changes in particle properties using synchrotron tomography. <i>Powder Technology</i> , 2018 , 325, 530-544	5.2	15
160	Geological and hydrogeological environment with geohazards during underground construction in Hangzhou: a review. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	15
159	Influence Factors Involving Rainfall-Induced Shallow Slope Failure: Numerical Study. <i>International Journal of Geomechanics</i> , 2017 , 17, 04016158	3.1	14
158	Strength and Microstructure of Palm Oil Fuel Ash Fly Ash Soft Soil Geopolymer Masonry Units. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019164	3	14
157	Shear strength properties and stress-strain behavior of waste foundry sand. <i>Construction and Building Materials</i> , 2020 , 249, 118761	6.7	14
156	Impact of curing on behaviour of basaltic expansive clay. <i>Road Materials and Pavement Design</i> , 2018 , 19, 624-645	2.6	14
155	Investigation of Collapsed Building Incidents on Soft Marine Deposit: Both from Social and Technical Perspectives. <i>Land</i> , 2018 , 7, 20	3.5	14
154	Utilization of Alkali-Activated Fly Ash for Construction of Deep Mixed Columns in Loose Sands. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019233	3	14
153	Laboratory investigation on the compressibility of Singapore marine clays. <i>Marine Georesources and Geotechnology</i> , 2017 , 35, 847-856	2.2	14
152	Fractal Prediction of Grouting Volume for Treating Karst Caverns along a Shield Tunneling Alignment. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 652	2.6	14
151	Shakedown analysis of recycled materials as railway capping layer under cyclic loading. <i>Soil Dynamics and Earthquake Engineering</i> , 2020 , 139, 106423	3.5	14
150	Investigation of a large ground collapse and countermeasures during mountain tunnelling in Hangzhou: a case study. <i>Bulletin of Engineering Geology and the Environment</i> , 2019 , 78, 991-1003	4	14

149	Effect of cumulative traffic and statistical predictive modelling of field skid resistance. <i>Road Materials and Pavement Design</i> , 2019 , 20, 426-439	2.6	14
148	Stiffness and strength properties of spent coffee grounds-recycled glass geopolymers. <i>Road Materials and Pavement Design</i> , 2019 , 20, 623-638	2.6	14
147	Shakedown analysis of PET blends with demolition waste as pavement base/subbase materials using experimental and neural network methods. <i>Transportation Geotechnics</i> , 2021 , 27, 100481	4	14
146	Land Subsidence Control Zone and Policy for the Environmental Protection of Shanghai. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	13
145	Flexural fatigue behavior of fly ash geopolymer stabilized-geogrid reinforced RAP bases. <i>Construction and Building Materials</i> , 2020 , 254, 119263	6.7	13
144	Performance Improvement of Asphalt Concretes Using Steel Slag as a Replacement Material. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020227	3	13
143	Evaluation of Interface Shear Strength Properties of Geogrid Reinforced Foamed Recycled Glass Using a Large-Scale Direct Shear Testing Apparatus. <i>Advances in Materials Science and Engineering</i> , 2015 , 2015, 1-8	1.5	13
142	Geotechnical laboratory testing of biosolids. <i>International Journal of Geotechnical Engineering</i> , 2010 , 4, 407-415	1.5	13
141	Extended water/cement ratio law for cement mortar containing recycled asphalt pavement. <i>Construction and Building Materials</i> , 2019 , 196, 457-467	6.7	13
140	Platform collapse incident of a power plant in Jiangxi, China. <i>Natural Hazards</i> , 2017 , 87, 1259-1265	3	12
139	Performance of the bearing reinforcement earth wall as a retaining structure in the Mae Moh mine, Thailand. <i>Geotextiles and Geomembranes</i> , 2017 , 45, 350-360	5.2	12
138	Consolidation behavior of dredged ultra-soft soil improved with prefabricated vertical drain at the Mae Moh mine, Thailand. <i>Geotextiles and Geomembranes</i> , 2020 , 48, 561-571	5.2	12
137	Discrete element analysis of recycled concrete aggregate responses during repeated load triaxial testing. <i>Transportation Geotechnics</i> , 2020 , 23, 100356	4	12
136	Evaluation of Environmental Risk Due to Metro System Construction in Jinan, China. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	12
135	Discussion of Development of an Internal Camera-Based Volume Determination System for Triaxial Testing [by S. E. Salazar, A. Barnes and R. A. Coffman. The Technical Note Was Published in <i>Geotechnical Testing Journal</i> , Vol. 38, No. 4, 2015. [DOI: 10.1520/GTJ20140249]. <i>Geotechnical Testing Journal</i> , 2016 , 39, 20150153	1.3	12
134	Hydrological responses and stability analysis of shallow slopes with cohesionless soil subjected to continuous rainfall. <i>Canadian Geotechnical Journal</i> , 2016 , 53, 2001-2013	3.2	12
133	Marginal lateritic soil/crushed slag blends as an engineering fill material. <i>Soils and Foundations</i> , 2018 , 58, 786-795	2.9	12
132	A new approach for determining resilient moduli of marginal pavement base materials using the staged repeated load CBR test method. <i>Road Materials and Pavement Design</i> , 2018 , 19, 1848-1867	2.6	11

131	Landslide Event on 24 June in Sichuan Province, China: Preliminary Investigation and Analysis. <i>Geosciences (Switzerland)</i> , 2018 , 8, 39	2.7	11
130	Stiffness and flexural strength evaluation of cement stabilized PET blends with demolition wastes. <i>Construction and Building Materials</i> , 2020 , 239, 117819	6.7	11
129	Mechanical Strength Improvement of Cement-Stabilized Soil Using Natural Rubber Latex for Pavement Base Applications. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020372	3	11
128	Concrete wedge and coarse sand coating shear connection system in GFRP concrete composite deck. <i>Construction and Building Materials</i> , 2016 , 114, 650-655	6.7	11
127	Wetting-drying cycles durability of cement stabilised marginal lateritic soil/melamine debris blends for pavement applications. <i>Road Materials and Pavement Design</i> , 2020 , 21, 500-518	2.6	11
126	Cement stabilisation of recycled concrete aggregate modified with polyvinyl alcohol. <i>International Journal of Pavement Engineering</i> , 2020 , 1-9	2.6	10
125	Impact of Compaction Methods on Resilient Response of Unsaturated Granular Pavement Material. <i>Procedia Engineering</i> , 2016 , 143, 323-330		10
124	Step Loading Compression of Ultra-Soft Soil under Radial Drainage Conditions. <i>Marine Georesources and Geotechnology</i> , 2016 , 34, 648-658	2.2	10
123	Geotechnical characteristics of stabilised aged biosolids. <i>Environmental Geotechnics</i> , 2015 , 2, 269-279	1.2	10
122	Dissipation Testing of Singapore Marine Clay by Piezocone Tests. <i>Geotechnical and Geological Engineering</i> , 2007 , 25, 647-656	1.5	10
121	Tyre derived aggregates and waste rock blends: Resilient moduli characteristics. <i>Construction and Building Materials</i> , 2019 , 201, 207-217	6.7	10
120	Recycled Glass Blends with Recycled Concrete Aggregates in Sustainable Railway Geotechnics. <i>Sustainability</i> , 2021 , 13, 2463	3.6	10
119	Evaluating the impact of grid cell properties in spatial discretization of groundwater model for a tropical karst catchment in Rote Island, Indonesia 2017 , 48, 1757-1772		9
118	Geotechnical Properties of Lightly Stabilized Recycled Demolition Materials in Base/Sub-Base Applications 2015 ,		9
117	Pullout resistance of bearing reinforcement embedded in marginal lateritic soil at molding water contents. <i>Geotextiles and Geomembranes</i> , 2016 , 44, 475-483	5.2	9
116	Environmental changes in Ariake Sea of Japan and their relationships with Isahaya Bay reclamation. <i>Marine Pollution Bulletin</i> , 2018 , 135, 832-844	6.7	9
115	Sustainable Measures for Mitigation of Flooding Hazards: A Case Study in Shanghai, China. <i>Water (Switzerland)</i> , 2017 , 9, 310	3	9
114	Compressibility and strength development of geopolymer stabilized columns cured under stress. <i>Soils and Foundations</i> , 2020 , 60, 1241-1250	2.9	9

113	Steady flow in mechanically stabilised earth walls using marginal soils with geocomposites. <i>Geosynthetics International</i> , 2017 , 24, 590-606	3.3	8
112	Geosynthetic applications in high-speed railways: a case study. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , 2015 , 168, 3-13	1	8
111	Laboratory Investigation of Cement-Stabilized Marginal Lateritic Soil by Crushed Slag Fly Ash Replacement for Pavement Applications. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04019353	3	8
110	Application of artificial neural network models for predicting the resilient modulus of recycled aggregates. <i>International Journal of Pavement Engineering</i> , 2020 , 1-13	2.6	8
109	Durability improvement of cement stabilized pavement base using natural rubber latex. <i>Transportation Geotechnics</i> , 2021 , 28, 100518	4	8
108	Discrete element modeling of cemented recycled concrete aggregates under unconfined and k0 loading conditions. <i>Transportation Geotechnics</i> , 2021 , 26, 100450	4	8
107	Fatigue Performance of Geosynthetic-Reinforced Asphalt Concrete Beams. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020206	3	7
106	Failure of riverbank protection structure and remedial approach: A case study in Suraburi province, Thailand. <i>Engineering Failure Analysis</i> , 2018 , 91, 243-254	3.2	7
105	Impact of suffusion on the cyclic and post-cyclic behaviour of an internally unstable soil. <i>Geotechnique Letters</i> , 2019 , 9, 218-224	1.7	7
104	Cyclic behavior of semi-rigid recovered plastic blends in railway track substructure. <i>Transportation Geotechnics</i> , 2021 , 28, 100514	4	7
103	Development of a void ratio-moisture ratio-net stress framework for the prediction of the volumetric behavior of unsaturated granular materials. <i>Soils and Foundations</i> , 2019 , 59, 443-457	2.9	7
102	Volumetric Behavior and Soil Water Characteristic Curve of Untreated and Lime-Stabilized Reactive Clay. <i>International Journal of Geomechanics</i> , 2019 , 19, 04018192	3.1	7
101	Collapse and Swell of Lime Stabilized Expansive Clays in Void Ratio-Moisture Ratio-Net Stress Space. <i>International Journal of Geomechanics</i> , 2019 , 19, 04019105	3.1	6
100	Digital Image Correlation Technique for Measurement of Surface Strains in Reinforced Asphalt Concrete Beams under Fatigue Loading. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019135	3	6
99	Field study on concrete footpath with recycled plastic and crushed glass as filler materials. <i>Construction and Building Materials</i> , 2020 , 243, 118277	6.7	6
98	Investigation into the tempo-spatial distribution of recent fire hazards in China. <i>Natural Hazards</i> , 2018 , 92, 1889-1907	3	6
97	Suitability of reclaimed asphalt pavement and recycled crushed brick as filter media in bioretention applications. <i>International Journal of Environment and Sustainable Development</i> , 2016 , 15, 32	1.3	6
96	Factors Affecting Consolidation Related Prediction of Singapore Marine Clay by Observational Methods. <i>Geotechnical and Geological Engineering</i> , 2008 , 26, 417-430	1.5	6

95	Axial Pullout Resistance and Interface Direct Shear Properties of Geogrids in Pond Ash. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2021 , 7, 1	2	6
94	Improvement of flexural strength of concrete pavements using natural rubber latex. <i>Construction and Building Materials</i> , 2021 , 282, 122704	6.7	6
93	Properties of Asphalt Concrete Using Aggregates Composed of Limestone and Steel Slag Blends. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 06020007	3	6
92	Evaluation of polyvinyl alcohol and high calcium fly ash based geopolymer for the improvement of soft Bangkok clay. <i>Transportation Geotechnics</i> , 2021 , 27, 100476	4	6
91	Stress-strain response analysis of demolition wastes as aggregate base course of pavements. <i>Transportation Geotechnics</i> , 2021 , 30, 100599	4	6
90	Thermal performance of geothermal pavements constructed with demolition wastes. <i>Geomechanics for Energy and the Environment</i> , 2021 , 28, 100253	3.7	6
89	Mineralogy and Geotechnical Properties of Ultrasoft Soil from a Nearshore Mine Tailings Sedimentation Pond. <i>Marine Georesources and Geotechnology</i> , 2016 , 34, 782-791	2.2	5
88	Engineering and Leachate Characteristics of Granulated Blast-Furnace Slag as a Construction Material. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020153	3	5
87	Changes to Grain Properties due to Breakage in a Sand Assembly using Synchrotron Tomography. <i>EPJ Web of Conferences</i> , 2017 , 140, 07004	0.3	5
86	Detecting Gilgai Relief Beneath Sealed Flexible Pavements Using Road Profile and Road Roughness Measurements 2015 , 45, 431-440		5
85	Continuous simulation of suspended sediment through a stream section. <i>International Journal of Water</i> , 2013 , 7, 206	0.9	5
84	Pullout resistance mechanism of bearing reinforcement embedded in coarse-grained soils: Laboratory and field investigations. <i>Transportation Geotechnics</i> , 2020 , 22, 100297	4	5
83	Predicting Pullout Resistance of Bearing Reinforcement Embedded in Cohesive-Frictional Soils. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04019379	3	5
82	Performance improvement of asphalt concretes using fiber reinforcement. <i>Heliyon</i> , 2021 , 7, e07015	3.6	5
81	DEM simulation of the thermo-geomechanical effect of recycled concrete aggregate assemblies in geothermal pavement bases. <i>Transportation Geotechnics</i> , 2021 , 28, 100528	4	5
80	Feasibility of producing non-fired compressed masonry units from brick clay mill residues by alkali activation. <i>Journal of Cleaner Production</i> , 2021 , 306, 126916	10.3	5
79	Geotechnical properties of steel slag aggregates: Shear strength and stiffness. <i>Soils and Foundations</i> , 2019 , 59, 1591-1601	2.9	5
78	Development of a Unique Test Apparatus to Conduct Axial and Transverse Pullout Testing on Geogrid Reinforcements. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020406	3	5

77	Research-oriented ground investigation projects at Changi, Singapore. <i>Geotechnical Research</i> , 2017 , 4, 30-46	1.2	4
76	Environmentally Friendly Slope Stabilization Using a Soil Nail and Root System in Canada 2015 , 629-654		4
75	Environmental Suitability and Carbon Footprint Savings of Recycled Tyre Crumbs for Road Applications. <i>International Journal of Environmental Research</i> , 2018 , 12, 693-702	2.9	4
74	Key issues in environmental geotechnics: Australia & New Zealand. <i>Environmental Geotechnics</i> , 2015 , 2, 326-330	1.2	4
73	Finite element modeling of soft soil treated with prefabricated vertical drains. <i>International Journal of Geotechnical Engineering</i> , 2010 , 4, 165-179	1.5	4
72	Wheel tracker testing of recycled concrete and tyre aggregates in Australia. <i>Geotechnical Research</i> , 2020 , 7, 49-57	1.2	4
71	Evaluation of shear strength properties of unbound PET plastic in blends with demolition wastes. <i>Construction and Building Materials</i> , 2020 , 262, 120545	6.7	4
70	Resilient moduli of demolition wastes in geothermal pavements: Experimental testing and ANFIS modelling. <i>Transportation Geotechnics</i> , 2021 , 29, 100592	4	4
69	Alkali activation of lime kiln dust and fly ash blends for the stabilisation of demolition wastes. <i>Road Materials and Pavement Design</i> , 2020 , 21, 1514-1528	2.6	4
68	Soil-Cement Screw Pile: Alternative Pile for Low- and Medium-Rise Buildings in Soft Bangkok Clay. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04020173	4.2	4
67	Modelling unsaturated soil-structure interfacial behavior by using DEM. <i>Computers and Geotechnics</i> , 2021 , 137, 104305	4.4	4
66	Numerical and sensitivity analysis of Bearing Reinforcement Earth (BRE) wall. <i>KSCE Journal of Civil Engineering</i> , 2017 , 21, 195-208	1.9	3
65	Environmental assessment of cement-stabilised lateritic soil/melamine debris for Thailand pavement. <i>Environmental Geotechnics</i> , 2019 , 1-7	1.2	3
64	Thermal performance of the ground in geothermal pavements. <i>E3S Web of Conferences</i> , 2020 , 205, 06015.5		3
63	Cement-treated recycled glass and crushed rock blends: modulus of rupture and stiffness properties. <i>International Journal of Pavement Engineering</i> , 2020 , 1-11	2.6	3
62	Laboratory Model Test on Contact Erosion of Dispersive Soil Beneath Pavement Layers. <i>Geotechnical Testing Journal</i> , 2015 , 38, 20140179	1.3	3
61	Ground Response due to Construction of Shallow Pipe-Jacked Tunnels in Sandy Soil: Laboratory Investigation. <i>Journal of Testing and Evaluation</i> , 2020 , 48, 20170217	1	3
60	Hybrid Formulation of Resilient Modulus for Cohesive Subgrade Soils Utilizing CPT Test Parameters. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 06020011	3	3

59	Effect of moisture sensitivity on the light stabilisation of demolition materials in pavement bases. <i>Road Materials and Pavement Design</i> , 2020 , 1-15	2.6	3
58	Lightly Stabilized Loose Sands with Alkali-Activated Fly Ash in Deep Mixing Applications. <i>International Journal of Geomechanics</i> , 2021 , 21, 04021011	3.1	3
57	Load Bearing Capacity of Cohesive-Frictional Soils Reinforced with Full-Wraparound Geotextiles: Experimental and Numerical Investigation. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2973	2.6	3
56	Geothermal pavements: field observations, numerical modelling and long-term performance. <i>Geotechnique</i> , 1-15	3.4	3
55	Stabilization of PET plastic-demolition waste blends using fly ash and slag-based geopolymers in light traffic road bases/subbases. <i>Construction and Building Materials</i> , 2021 , 284, 122809	6.7	3
54	Environmental suitability, carbon footprint and cost savings of recycled plastic for railway applications. <i>International Journal of Sustainable Engineering</i> , 2021 , 14, 725-734	3.1	3
53	Investigating the thermal behaviour of geothermal pavements using Thermal Response Test (TRT). <i>Transportation Geotechnics</i> , 2021 , 29, 100576	4	3
52	Compressibility of ultra-soft soil in the Mae Moh Mine, Thailand. <i>Engineering Geology</i> , 2020 , 271, 1055946		3
51	Removal of heavy metals from contaminated foundry sand through repeated soil-washing. <i>International Journal of Sustainable Engineering</i> , 2021 , 14, 39-45	3.1	3
50	Permanent Deformation and Rutting Resistance of Demolition Waste Triple Blends in Unbound Pavement Applications. <i>Materials</i> , 2021 , 14,	3.5	3
49	Mechanical Properties of Fly Ash Asphalt Emulsion Geopolymer Stabilized Crushed Rock for Sustainable Pavement Base. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021220	3	3
48	Laboratory Approach for Faster Determination of the Loading-Collapse Yield Curve of Compacted Soils. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04015148	3	2
47	Sustainable Usage of Construction and Demolition Materials in Roads and Footpaths. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2017 , 3-13	0.4	2
46	Improvement of Tensile Properties of Cement-Stabilized Soil Using Natural Rubber Latex. <i>Journal of Materials in Civil Engineering</i> , 2022 , 34,	3	2
45	Environmental and geotechnical suitability of recycling waste materials from plasterboard manufacturing. <i>Waste Management and Research</i> , 2020 , 38, 383-391	4	2
44	Effect of Swell/Shrink Cycles on Volumetric Behavior of Compacted Expansive Clay Stabilized Using Lime. <i>International Journal of Geomechanics</i> , 2020 , 20, 04020212	3.1	2
43	Evaluation of Interface Shear Strength of Natural Kenaf Geogrid and Recycled Concrete Aggregate for Sustainable Pavement Applications. <i>Journal of Natural Fibers</i> , 1-17	1.8	2
42	Solidification and stabilisation of metal plating sludge with fly ash geopolymers. <i>Environmental Geotechnics</i> , 2019 , 1-10	1.2	2

41	Performance and Toxic Leaching Evaluation of Dense-Graded Asphalt Concrete Using Steel Slag as Aggregate. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020432	3	2
40	Environmentally sustainable groundwater control during dewatering with barriers: A case study in Shanghai. <i>Underground Space (China)</i> , 2021 , 6, 12-23	3.7	2
39	Evaluation of durability against wetting and drying cycles of cement-natural rubber latex stabilised unpaved road under cyclic tensile loading. <i>International Journal of Pavement Engineering</i> , 1-12	2.6	2
38	DEM modeling and experimental analysis of the breakage behavior of recycled crushed brick particles. <i>Transportation Geotechnics</i> , 2021 , 30, 100586	4	2
37	The Influence of a Curing Regime on the Geotechnical Properties of Ladle Furnace Slag as Used in Pavement Applications 2017 ,		1
36	Environmental benefits and recycling options for wood chips from furniture industries. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2017 , 170, 85-91	0.5	1
35	Field instrumentation case study at a pilot site in the Changi land reclamation project. <i>International Journal of Geotechnical Engineering</i> , 2010 , 4, 181-194	1.5	1
34	Thermal and mechanical characteristics of recycled concrete aggregates mixed with plastic wastes: experimental investigation and mathematical modeling. <i>Acta Geotechnica</i> , 1	4.9	1
33	Deep Compaction of Granular Fills in a Land Reclamation Project by Dynamic and Vibratory Compaction Techniques 2015 , 263-274		1
32	Pollutant treatment efficiencies through rainwater tank, recycled foamed glass and geofabrics. <i>International Journal of Sustainable Engineering</i> , 2020 , 1-7	3.1	1
31	Geotechnical and geoenvironmental engineering education during the pandemic. <i>Environmental Geotechnics</i> , 2021 , 8, 233-243	1.2	1
30	Clegg impact hammer: an equipment for evaluation of the strength characteristics of pavement materials, turf, and natural and artificial playing surfaces: a review. <i>Road Materials and Pavement Design</i> , 2020 , 21, 467-485	2.6	1
29	Full scale consolidation test on ultra-soft soil improved by prefabricated vertical drains in MAE MOH mine, Thailand. <i>Geotextiles and Geomembranes</i> , 2021 , 49, 72-80	5.2	1
28	A prediction model for the loading-wetting volumetric behavior of unsaturated granular materials. <i>Soils and Foundations</i> , 2021 , 61, 623-623	2.9	1
27	Discussion: Cutter-disc consumption during earth pressure balance tunnelling in mixed strata. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2018 , 171, 559-561	0.9	1
26	Assessing the performance of geothermal pavement constructed using demolition wastes by experimental and CFD simulation techniques. <i>Geomechanics for Energy and the Environment</i> , 2021 , 29, 100271	3.7	1
25	Generalized Interface Shear Strength Equation for Recycled Materials Reinforced with Geogrids. <i>Sustainability</i> , 2021 , 13, 9446	3.6	1
24	Strength and Microstructure of Clay Geopolymer Non-Load-Bearing Masonry Units Using Fine-Clay Brick Waste and Palm Oil Fuel Ash. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021189	3	1

23	Evaluating the effective thermal conductivity of geothermal pavements constructed using demolition wastes by DEM and 3D printing techniques. <i>Acta Geotechnica</i> ,1	4.9	1
22	Engineering Characteristics and Environmental Risks of Utilizing Recycled Aluminum Salt Slag and Recycled Concrete as a Sustainable Geomaterial. <i>Sustainability</i> , 2021, 13, 10633	3.6	1
21	Reaction mechanism of alkali-activated brick clay mill residues. <i>Construction and Building Materials</i> , 2022, 341, 127817	6.7	1
20	Strength and permanent deformation properties of demolition wastes, glass, and plastics stabilized with foamed bitumen for pavement bases. <i>Construction and Building Materials</i> , 2022, 320, 126108	6.7	0
19	Shear-induced anisotropy in granular materials under various saturation states. <i>Computers and Geotechnics</i> , 2022, 143, 104606	4.4	0
18	Improved Mechanical Properties of Cement-Stabilized Soft Clay Using Garnet Residues and Tire-Derived Aggregates for Subgrade Applications. <i>Sustainability</i> , 2021, 13, 11692	3.6	0
17	Effect of Curing Time on the Performance of Fly Ash Geopolymer-Stabilized RAP Bases. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, 04021001	3	0
16	The Application of Spent Coffee Grounds and Tea Wastes as Additives in Alkali-Activated Bricks. <i>Waste and Biomass Valorization</i> , 2021, 12, 6273	3.2	0
15	Temperature and Duration Impact on the Strength Development of Geopolymerized Granulated Blast Furnace Slag for Usage as a Construction Material. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, 04020474	3	0
14	Stress-dilatancy responses of recovered plastics and demolition waste blends as a construction material. <i>Construction and Building Materials</i> , 2021, 297, 123762	6.7	0
13	Evaluation of interaction properties of uniaxial geogrids with waste foundry sand. <i>Geosynthetics International</i> ,1-15	3.3	0
12	Evaluation of rutting resistance and geotechnical properties of cement stabilized recycled glass, brick and concrete triple blends. <i>Transportation Geotechnics</i> , 2022, 34, 100755	4	0
11	Stability investigation of the flood protection structure at Nava Nakorn industrial estate, Thailand. <i>Engineering Failure Analysis</i> , 2022, 137, 106279	3.2	0
10	Cement Natural rubber latex stabilised recycled concrete aggregate as a pavement base material. <i>Road Materials and Pavement Design</i> ,1-15	2.6	0
9	Sustainable reuse potential of municipal sewage sludge in south-east Australia. <i>International Journal of Environment and Waste Management</i> , 2014, 14, 311	0.9	
8	Scenario-Based Inundation Analysis of Metro System in Urban Area of Shanghai 2018, 15-22		
7	Performance Evaluation of Jacking Force Models for Tunnel Bore Conditions Characterisation. <i>Sustainable Civil Infrastructures</i> , 2019, 34-46	0.2	
6	Pullout mechanism of the bearing reinforcement embedded in claystone soil of Mae Moh mine. <i>Japanese Geotechnical Society Special Publication</i> , 2016, 2, 2204-2208	0.2	

- 5 Hydraulic transmissivity of geocomposite confined with soils. *Measurement: Journal of the International Measurement Confederation*, **2021**, 175, 109106 4.6
- 4 Impact of Lime Stabilization on Swelling and Soil Water Retention Behavior of Expansive Subgrade. *Lecture Notes in Civil Engineering*, **2022**, 769-780 0.3
- 3 Crushing behavior of recycled waste materials: Experimental analysis and DEM simulation. *Construction and Building Materials*, **2021**, 299, 124226 6.7
- 2 Geothermal Pavements: An Experimental and Numerical Study on Thermal Performance. *Sustainable Civil Infrastructures*, **2021**, 65-82 0.2
- 1 Hydro-Mechanical Behavior of Unsaturated Unbound Pavement Materials Under Repeated and Static Loading. *Lecture Notes in Civil Engineering*, **2022**, 377-390 0.3