Buddhima Indraratna

List of Publications by Year
in descending order

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159 papers	7,925 citations	31976 53 h-index	58581 82 g-index
163 all docs	163 docs citations	163 times ranked	2789 citing authors

#	Article	IF	Citations
1	Shear Behavior of Railway Ballast Based on Large-Scale Triaxial Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1998, 124, 439-449.	3.0	342
2	Effect of confining pressure on ballast degradation and deformation under cyclic triaxial loading. Geotechnique, 2007, 57, 527-536.	4.0	303
3	Field Assessment of the Performance of a Ballasted Rail Track with and without Geosynthetics. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 907-917.	3.0	200
4	Large-scale triaxial testing of grey wacke rockfill. Geotechnique, 1993, 43, 37-51.	4.0	172
5	Behavior of Fresh and Fouled Railway Ballast Subjected to Direct Shear Testing: Discrete Element Simulation. International Journal of Geomechanics, 2014, 14, 34-44.	2.7	170
6	Laboratory Determination of Smear Zone due to Vertical Drain Installation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1998, 124, 180-184.	3.0	169
7	A new elastoplastic constitutive model for coarse granular aggregates incorporating particle breakage. Canadian Geotechnical Journal, 2004, 41, 657-671.	2.8	166
8	Plane-Strain Modeling of Smear Effects Associated with Vertical Drains. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 474-478.	3.0	152
9	DEM simulation of the behaviour of geogrid stabilised ballast fouled with coal. Computers and Geotechnics, 2014, 55, 224-231.	4.7	152
10	Improved Performance of Railway Ballast under Impact Loads Using Shock Mats. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 281-294.	3.0	144
11	Analytical and numerical solutions for a single vertical drain including the effects of vacuum preloading. Canadian Geotechnical Journal, 2005, 42, 994-1014.	2.8	140
12	Behavior of geogrid-reinforced ballast under various levels of fouling. Geotextiles and Geomembranes, 2011, 29, 313-322.	4.6	139
13	Stress-Strain Degradation Response of Railway Ballast Stabilized with Geosynthetics. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 684-700.	3.0	139
14	Radial consolidation of clay using compressibility indices and varying horizontal permeability. Canadian Geotechnical Journal, 2005, 42, 1330-1341.	2.8	121
15	Constriction-Based Retention Criterion for Granular Filter Design. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 266-276.	3.0	120
16	Effect of cyclic loading frequency on the permanent deformation and degradation of railway ballast. Geotechnique, 2014, 64, 746-751.	4.0	120
17	Performance and Prediction of Vacuum Combined Surcharge Consolidation at Port of Brisbane. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 1009-1018.	3.0	113
18	Performance of Test Embankment Constructed to Failure on Soft Marine Clay. Journal of Geotechcnical Engineering, 1992, 118, 12-33.	0.4	109

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19	Vertical Drain Consolidation with Parabolic Distribution of Permeability in Smear Zone. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 937-941.	3.0	106
20	Behaviour of clay-fouled ballast under drained triaxial testing. Geotechnique, 2013, 63, 410-419.	4.0	106
21	Time-Dependent Particle Transport through Granular Filters. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 521-529.	3.0	105
22	Assessing the Potential of Internal Erosion and Suffusion of Granular Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 550-554.	3.0	104
23	Modelling of geocell-reinforced subballast subjected to cyclic loading. Geotextiles and Geomembranes, 2016, 44, 489-503.	4.6	104
24	Numerical modeling of vacuum preloading and field applications. Canadian Geotechnical Journal, 2004, 41, 1098-1110.	2.8	103
25	The lateral displacement response of geogrid-reinforced ballast under cyclic loading. Geotextiles and Geomembranes, 2013, 39, 20-29.	4.6	103
26	Numerical Solution of Stone Columnâ€“Improved Soft Soil Considering Arching, Clogging, and Smear Effects. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 377-394.	3.0	102
27	Shear behaviour of idealized infilled joints under constant normal stiffness. Geotechnique, 1999, 49, 331-355.	4.0	101
28	Modelling the Shear Behaviour of Rock Joints with Asperity Damage Under Constant Normal Stiffness. Rock Mechanics and Rock Engineering, 2015, 48, 179-195.	5.4	101
29	Soft ground improvement via vertical drains and vacuum assisted preloading. Geotextiles and Geomembranes, 2012, 30, 16-23.	4.6	97
30	Coupled discrete elementâ€“finite difference method for analysing the load-deformation behaviour of a single stone column in soft soil. Computers and Geotechnics, 2015, 63, 267-278.	4.7	97
31	Deformation of Coal Fouled Ballast Stabilized with Geogrid under Cyclic Load. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1275-1289.	3.0	96
32	Predicting the Erosion Rate of Chemically Treated Soil Using a Process Simulation Apparatus for Internal Crack Erosion. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 837-844.	3.0	89
33	Mechanisms of stabilization of expansive soil with lignosulfonate admixture. Transportation Geotechnics, 2018, 14, 81-92.	4.5	85
34	Estimating the Rate of Erosion of a Silty Sand Treated with Lignosulfonate. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 701-714.	3.0	82
35	Observed and predicted behaviour of rail ballast under monotonic loading capturing particle breakage. Canadian Geotechnical Journal, 2015, 52, 73-86.	2.8	80
36	Influence of Under Sleeper Pads on Ballast Behavior Under Cyclic Loading: Experimental and Numerical Studies. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	78

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37	Analytical Model for Particle Migration within Base Soil-Filter System. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 100-109.	3.0	77
38	Automatic Classification of Ground-Penetrating-Radar Signals for Railway-Ballast Assessment. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3961-3972.	6.3	74
39	Development and applications of a synthetic material to simulate soft sedimentary rocks. Geotechnique, 1990, 40, 189-200.	4.0	72
40	A theoretical and experimental study on the behaviour of lignosulfonate-treated sandy silt. Computers and Geotechnics, 2014, 61, 316-327.	4.7	71
41	Laboratory Evaluation of Smear Zone and Correlation between Permeability and Moisture Content. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 942-945.	3.0	70
42	Vertical drain consolidation with overlapping smear zones. Geotechnique, 2007, 57, 463-467.	4.0	69
43	Three-dimensional characterisation of particle size and shape for ballast. Geotechnique Letters, 2014, 4, 197-202.	1.2	68
44	Performance of Embankment Stabilized with Vertical Drains on Soft Clay. Journal of Geotechcnical Engineering, 1994, 120, 257-273.	0.4	67
45	Development of negative skin friction on driven piles in soft Bangkok clay. Canadian Geotechnical Journal, 1992, 29, 393-404.	2.8	66
46	Analytical solutions and design curves for vacuum-assisted consolidation with both vertical and horizontal drainage. Canadian Geotechnical Journal, 2007, 44, 188-200.	2.8	64
47	A new parameter for classification and evaluation of railway ballast fouling. Canadian Geotechnical Journal, 2011, 48, 322-326.	2.8	64
48	Shear strength model for overconsolidated clay-infilled idealised rock joints. Geotechnique, 2008, 58, 55-65.	4.0	63
49	Analytical Solutions for a Single Vertical Drain with Vacuum and Time-Dependent Surcharge Preloading in Membrane and Membraneless Systems. International Journal of Geomechanics, 2012, 12, 27-42.	2.7	62
50	Effect of confining pressure on the degradation of ballast under cyclic loading. Geotechnique, 2005, 55, 325-328.	4.0	61
51	An evaluation of the interface behaviour of rail subballast stabilised with geogrids and geomembranes. Geotextiles and Geomembranes, 2015, 43, 240-249.	4.6	60
52	Assessment of Subballast Filtration under Cyclic Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1519-1528.	3.0	59
53	A constitutive model for coal-fouled ballast capturing the effects of particle degradation. Computers and Geotechnics, 2014, 61, 96-107.	4.7	57
54	Discrete element modelling of lateral displacement of a granular assembly under cyclic loading. Computers and Geotechnics, 2015, 69, 474-484.	4.7	57

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55	Laboratory study of small-strain behavior of a compacted silty sand. Canadian Geotechnical Journal, 2013, 50, 179-188.	2.8	53
56	Consolidation analysis of a stratified soil with vertical and horizontal drainage using the spectral method. Geotechnique, 2009, 59, 439-449.	4.0	49
57	Semiempirical Cyclic Densification Model for Ballast Incorporating Particle Breakage. International Journal of Geomechanics, 2012, 12, 260-271.	2.7	49
58	From theory to practice in track geomechanics â€“ Australian perspective for synthetic inclusions. Transportation Geotechnics, 2014, 1, 171-187.	4.5	49
59	Vertical drain consolidation with non-Darcian flow and void-ratio-dependent compressibility and permeability. Geotechnique, 2012, 62, 985-997.	4.0	48
60	A review of shear strength models for rock joints subjected to constant normal stiffness. Journal of Rock Mechanics and Geotechnical Engineering, 2016, 8, 405-414.	8.1	48
61	Numerical modelling of soft soil stabilized by vertical drains, combining surcharge and vacuum preloading for a storage yard. Canadian Geotechnical Journal, 2007, 44, 326-342.	2.8	47
62	Bioengineering ground improvement considering root water uptake model. Ecological Engineering, 2010, 36, 222-229.	3.6	46
63	Class A Prediction of the Behavior of Soft Estuarine Soil Foundation Stabilized by Short Vertical Drains beneath a Rail Track. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 686-696.	3.0	45
64	Effect of soilâ€“infilled joints on the stability of rock wedges formed in a tunnel roof. International Journal of Rock Mechanics and Minings Sciences, 2010, 47, 739-751.	5.8	42
65	Effectiveness of partially penetrating vertical drains under a combined surcharge and vacuum preloading. Canadian Geotechnical Journal, 2011, 48, 970-983.	2.8	41
66	Evaluation of surface and groundwater management strategies for drained sulfidic soil using numerical simulation models. Soil Research, 2000, 38, 569.	1.1	40
67	Experimental Investigation on Effectiveness of a Vertical Drain under Cyclic Loads. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 835-839.	3.0	40
68	Hydraulic conductivity of saturated granular soils determined using a constriction-based technique. Canadian Geotechnical Journal, 2012, 49, 607-613.	2.8	40
69	A shear-displacement criterion for soil-infilled rock discontinuities. Geotechnique, 2010, 60, 623-633.	4.0	39
70	Further Advancement in Filtration Criteria through Constriction-Based Techniques. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 883-887.	3.0	36
71	Modelling the erosion rate of chemically stabilized soil incorporating tensile force â€“ deformation characteristics. Canadian Geotechnical Journal, 2009, 46, 57-68.	2.8	36
72	General Strength Criterion for Geomaterials Including Anisotropic Effect. International Journal of Geomechanics, 2011, 11, 251-262.	2.7	34

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73	Stabilization of track substructure with geo-inclusionsâ€"experimental evidence and DEM simulation. International Journal of Rail Transportation, 2017, 5, 63-86.	2.7	34
74	Vertical and Radial Consolidation Analysis of Multilayered Soil Using the Spectral Method. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 657-663.	3.0	33
75	Application of fractional calculus in modelling ballast deformation under cyclic loading. Computers and Geotechnics, 2017, 82, 16-30.	4.7	32
76	1st Proctor Lecture of ISSMGE:. Transportation Geotechnics, 2016, 7, 74-114.	4.5	31
77	Modeling the mechanical behavior of railway ballast using artificial neural networks. Canadian Geotechnical Journal, 2006, 43, 1144-1152.	2.8	30
78	Enhanced Criterion for Base Soil Retention in Embankment Dam Filters. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 1621-1627.	3.0	30
79	Mitigating ballast degradation with under-sleeper rubber pads: Experimental and numerical perspectives. Computers and Geotechnics, 2020, 122, 103540.	4.7	30
80	Design procedure for vertical drains considering a linear variation of lateral permeability within the smear zone. Canadian Geotechnical Journal, 2009, 46, 270-280.	2.8	29
81	Radial consolidation of soft soil under cyclic loads. Computers and Geotechnics, 2013, 50, 1-5.	4.7	29
82	A study of the geogridâ€"subballast interface via experimental evaluation and discrete element modelling. Granular Matter, 2017, 19, 1.	2.2	29
83	Energy-Based Approach to Assess the Performance of a Granular Matrix Consisting of Recycled Rubber, Steel-Furnace Slag, and Coal Wash. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	29
84	Acid sulphate soil remediation techniques on the Shoalhaven River floodplain, Australia. Quarterly Journal of Engineering Geology and Hydrogeology, 2005, 38, 129-142.	1.4	27
85	Parametric studies on bioengineering effects of tree root-based suction on ground behaviour. Ecological Engineering, 2009, 35, 1415-1426.	3.6	27
86	Final state of soils under vacuum preloading. Canadian Geotechnical Journal, 2012, 49, 729-739.	2.8	27
87	Coupled hydro-geochemical modelling of a permeable reactive barrier for treating acidic groundwater. Computers and Geotechnics, 2014, 55, 429-439.	4.7	27
88	Performance of a PRB for the Remediation of Acidic Groundwater in Acid Sulfate Soil Terrain. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 897-906.	3.0	26
89	Laboratory and Finite-Element Investigation of Soil Disturbance Associated with the Installation of Mandrel-Driven Prefabricated Vertical Drains. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 295-308.	3.0	24
90	Numerical modeling of vertical drains with smear and well resistance installed in soft clay. Canadian Geotechnical Journal, 2000, 37, 132-145.	2.8	24

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91	Behavior of Steel Furnace Slag, Coal Wash, and Rubber Crumb Mixtures with Special Relevance to Stressâ€“Dilatancy Relation. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	23
92	Performance of marine clay stabilised with vacuum pressure: Based on Queensland experience. Journal of Rock Mechanics and Geotechnical Engineering, 2019, 11, 598-611.	8.1	23
93	Pyrite Oxidation Model for Assessing Ground-Water Management Strategies in Acid Sulfate Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 146-157.	3.0	22
94	Response of Multilayer Foundation System beneath Railway Track under Cyclic Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1558-1563.	3.0	22
95	Improved performance of ballasted tracks under impact loading by recycled rubber mats. Transportation Geotechnics, 2019, 20, 100239.	4.5	22
96	Treatment of Acidic Groundwater in Acid Sulfate Soil Terrain Using Recycled Concrete: Column Experiments. Journal of Environmental Engineering, ASCE, 2011, 137, 433-443.	1.4	21
97	Shear strength of a vegetated soil incorporating both root reinforcement and suction. Transportation Geotechnics, 2019, 18, 72-82.	4.5	21
98	Laboratory Measurement of Two-Phase Flow Parameters in Rock Joints Based on High Pressure Triaxial Testing. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 530-542.	3.0	20
99	Compaction, degradation and deformation characteristics of an energy absorbing matrix. Transportation Geotechnics, 2019, 19, 74-83.	4.5	20
100	Application of bounding surface plasticity concept for clay-fouled ballast under drained loading. Computers and Geotechnics, 2015, 70, 96-105.	4.7	19
101	Modelling the Shear Behaviour of Clean Rock Discontinuities Using Artificial Neural Networks. Rock Mechanics and Rock Engineering, 2017, 50, 1817-1831.	5.4	19
102	Improved performance of geosynthetics enhanced ballast: laboratory and numerical studies. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2018, 171, 202-222.	1.0	19
103	The role of particle shape on hydraulic conductivity of granular soils captured through Kozenyâ€“Carman approach. Geotechnique Letters, 2020, 10, 398-403.	1.2	19
104	Evaluating waste concrete for the treatment of acid sulphate soil groundwater from coastal floodplains. Desalination and Water Treatment, 2011, 32, 126-132.	1.0	18
105	Stability of a Rock Block in a Tunnel Roof Under Constant Normal Stiffness Conditions. Rock Mechanics and Rock Engineering, 2016, 49, 1587-1593.	5.4	18
106	Application of geoinclusions for sustainable rail infrastructure under increased axle loads and higher speeds. Innovative Infrastructure Solutions, 2018, 3, 1.	2.2	18
107	Advances in ground improvement using waste materials for transportation infrastructure. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2022, 175, 3-22.	1.0	18
108	Comparison between Models of Rock Discontinuity Strength and Deformation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 864-874.	3.0	17

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109	A two-stage decision support tool for restoring tidal flows to flood mitigation drains affected by acid sulfate soil: case study of Broughton Creek floodplain, New South Wales, Australia. Soil Research, 2004, 42, 639.	1.1	16
110	Current research into ballasted rail tracks: model tests and their practical implications. Australian Journal of Structural Engineering, 2017, 18, 204-220.	1.1	16
111	Selection of permeable reactive barrier materials for treating acidic groundwater in acid sulphate soil terrains based on laboratory column tests. Environmental Earth Sciences, 2009, 59, 241-254.	2.7	15
112	Behavior of a Mixture of Coal Wash and Rubber Crumbs under Cyclic Loading. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	15
113	Radial consolidation characteristics of soft undisturbed clay based on large specimens. Journal of Rock Mechanics and Geotechnical Engineering, 2018, 10, 1037-1045.	8.1	14
114	A shear strength model for idealised infilled joints under constant normal stiffness. Geotechnique, 2005, 55, 215-226.	4.0	14
115	Assessment of Interface Shear Behaviour of Sub-ballast with Geosynthetics by Large-scale Direct Shear Test. Procedia Engineering, 2016, 143, 1007-1015.	1.2	13
116	Application of Shock Mats in Rail Track Foundation Subjected to Dynamic Loads. Procedia Engineering, 2016, 143, 1108-1119.	1.2	13
117	Computational modelling to predict the longevity of a permeable reactive barrier in an acidic floodplain. Computers and Geotechnics, 2020, 124, 103605.	4.7	13
118	Installation of a lime injection barrier for the remediation of acid sulphate soil problems. Quarterly Journal of Engineering Geology and Hydrogeology, 2006, 39, 391-401.	1.4	12
119	Analytical Solutions for Filtration Process Based on Constriction Size Concept. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1049-1061.	3.0	12
120	Closure to â€œEffect of Rubber Crumbs on the Cyclic Behavior of Steel Furnace Slag and Coal Wash Mixturesâ€•by Yujie Qi, Buddhima Indraratna, Ana Heitor, and Jayan S. Vinod. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	12
121	Two-Phase (Air and Water) Flow through Rock Joints: Analytical and Experimental Study. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 918-928.	3.0	11
122	A new equation for the equivalent hydraulic conductivity of rock mass around a tunnel. International Journal of Rock Mechanics and Minings Sciences, 2012, 54, 125-128.	5.8	11
123	Laboratory Evaluation of Coefficient of Radial Consolidation Based on Pore-Water-Pressure Dissipation and Settlement. Geotechnical Testing Journal, 2013, 36, 20120032.	1.0	11
124	Plane-strain lateral consolidation with non-Darcian flow. Canadian Geotechnical Journal, 2006, 43, 119-133.	2.8	10
125	Effect of particle breakage on cyclic densification of ballast: A DEM approach. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012229.	0.6	10
126	Radial consolidation modelling incorporating the effect of a smear zone for a multilayer soil with downdrag caused by mandrel action. Canadian Geotechnical Journal, 2010, 47, 1024-1035.	2.8	10

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127	Mechanical response and pore pressure generation in granular filters subjected to uniaxial cyclic loading. Canadian Geotechnical Journal, 2018, 55, 1756-1768.	2.8	9
128	Moving Loads on a Viscoelastic Foundation with Special Reference to Railway Transition Zones. International Journal of Geomechanics, 2018, 18, .	2.7	9
129	The Use of Under Sleeper Pads to Improve the Performance of Rail Tracks. Indian Geotechnical Journal, 2020, 50, 204-212.	1.4	9
130	Influence of Particle Gradation and Shape on the Performance of Stone Columns in Soft Clay. Geotechnical Testing Journal, 2018, 41, 1076-1091.	1.0	9
131	Internal Erosional Behaviour of Lignosulfonate Treated Dispersive Clay. , 2009, , .		9
132	Some aspects of unsaturated flow in jointed rock. International Journal of Rock Mechanics and Minings Sciences, 2002, 39, 555-568.	5.8	8
133	Use of Impedance Probe for Estimation of Porosity Changes in Saturated Granular Filters under Cyclic Loading: Calibration and Application. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1469-1474.	3.0	8
134	Chemical clogging of granular media under acidic groundwater conditions. Environmental Geotechnics, 2022, 9, 450-462.	2.3	8
135	Application of spectral Galerkin method for multilayer consolidation of soft soils stabilised by vertical drains or stone columns. Computers and Geotechnics, 2015, 69, 529-539.	4.7	7
136	An Elasto-plastic Method for Analysing the Deformation of the Railway Ballast. Procedia Engineering, 2016, 143, 954-960.	1.2	7
137	Behaviour of ballast under principal stress rotation: Multi-laminate approach for moving loads. Computers and Geotechnics, 2020, 125, 103655.	4.7	7
138	Stabilisation of Stiffer Rail Track Substructure Using Artificial Inclusion. Indian Geotechnical Journal, 2020, 50, 196-203.	1.4	7
139	Geotechnical characteristics of a Rubber Intermixed Ballast System. Acta Geotechnica, 2022, 17, 1847-1858.	5.7	7
140	Soft Soil Foundation Improved by Vacuum and Surcharge Preloading at Ballina Bypass, Australia. , 2009, , .		6
141	Shear behaviour of subgrade soil with reference to varying initial shear stress and plasticity index. Acta Geotechnica, 2022, 17, 4207-4216.	5.7	5
142	Closure to â€œPlaneâ€Strain Modeling of Smear Effects Associated with Vertical Drainsâ€•by B. Indraratna and I. W. Redana. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1999, 125, 98-99.	3.0	3
143	Foundation behaviour below an embankment on soft soils. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2008, 161, 259-267.	1.6	3
144	Tidal-forcing groundwater dynamics in a restored coastal wetland: implications of saline intrusion. Australian Journal of Earth Sciences, 2009, 56, 31-40.	1.0	3

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145	Role of Rubber Crumbs on the Stress-Strain Response of a Coal Wash Matrix. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	3
146	Shakedown response of recycled rubberâ€“granular waste mixtures under cyclic loading. Geotechnique, 2023, 73, 843-848.	4.0	3
147	A Cylindrical Model of Pyrite Oxidation in Coastal Acidic Soils with Michaelis-Menten Uptake Kinetics. Environmental and Engineering Geoscience, 2002, 8, 329-334.	0.9	2
148	Development of an Equivalent Homogenous Fluid Model for Pseudo-Two-Phase (Air+Water) Flow through Fractured Rock. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 857-866.	3.0	2
149	Analytical solutions for a single vertical drain with time-dependent vacuum combined surcharge preloading in membrane and membraneless systems. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012117.	0.6	2
150	Strength Criterion for Intact Rock. Indian Geotechnical Journal, 2017, 47, 261-264.	1.4	2
151	The effect of adding rubber crumbs on the cyclic permanent deformation of waste mixtures containing coal wash and steel furnace slag. Geotechnique, 2023, 73, 951-960.	4.0	2
152	Investigation on effectiveness of a prefabricated vertical drain during cyclic loading. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012091.	0.6	1
153	Closure to â€œAssessing the Potential of Internal Erosion and Suffusion of Granular Soilsâ€•by Buddhima Indraratna, Vo Trong Nguyen, and Cholachat Rujikiatkamjorn. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 775-775.	3.0	1
154	Reply to the discussion by Wang and Dallo on â€œHydraulic conductivity of saturated granular soils determined using a constriction-based techniqueâ€•1Appears in the Canadian Geotechnical Journal, 49(10): 1221â€“1222 [doi:10.1139/t2012-078].. Canadian Geotechnical Journal, 2012, 49, 1223-1224.	2.8	1
155	Soft Ground Improvementâ€”Theoretical, Experimental, Numerical and Field Studies. Developments in Geotechnical Engineering, 2019, , 183-216.	0.6	1
156	A Critical Review on the Performance of Pile-Supported Rail Embankments under Cyclic Loading: Numerical Modeling Approach. Sustainability, 2021, 13, 2509.	3.2	1
157	Reply to the discussion by T.A. Tran and T. Mitachi on "Analytical and numerical solutions for a single vertical drain including the effects of vacuum preloading". Canadian Geotechnical Journal, 2006, 43, 1404-1405.	2.8	0
158	A neural network approach to predict the performance of recycled concrete used in permeable reactive barriers for the treatment of acidic groundwater. Quarterly Journal of Engineering Geology and Hydrogeology, 2011, 44, 199-209.	1.4	0
159	Closure to â€œInternal Stability of Granular Filters under Static and Cyclic Loadingâ€•by Jahanzaib Israr and Buddhima Indraratna. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, 07018033.	3.0	0