

Buddhima Indraratna

List of Publications by Year in descending order

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159
papers

7,925
citations

31976

53
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58581

82
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163
all docs

163
docs citations

163
times ranked

2789
citing authors

#	ARTICLE	IF	CITATIONS
1	Shakedown response of recycled rubberâ€“granular waste mixtures under cyclic loading. <i>Geotechnique</i> , 2023, 73, 843-848.	4.0	3
2	The effect of adding rubber crumbs on the cyclic permanent deformation of waste mixtures containing coal wash and steel furnace slag. <i>Geotechnique</i> , 2023, 73, 951-960.	4.0	2
3	Chemical clogging of granular media under acidic groundwater conditions. <i>Environmental Geotechnics</i> , 2022, 9, 450-462.	2.3	8
4	Advances in ground improvement using waste materials for transportation infrastructure. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , 2022, 175, 3-22.	1.0	18
5	Geotechnical characteristics of a Rubber Intermixed Ballast System. <i>Acta Geotechnica</i> , 2022, 17, 1847-1858.	5.7	7
6	Shear behaviour of subgrade soil with reference to varying initial shear stress and plasticity index. <i>Acta Geotechnica</i> , 2022, 17, 4207-4216.	5.7	5
7	Role of Rubber Crumbs on the Stress-Strain Response of a Coal Wash Matrix. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	3
8	A Critical Review on the Performance of Pile-Supported Rail Embankments under Cyclic Loading: Numerical Modeling Approach. <i>Sustainability</i> , 2021, 13, 2509.	3.2	1
9	Behavior of a Mixture of Coal Wash and Rubber Crumbs under Cyclic Loading. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	15
10	Computational modelling to predict the longevity of a permeable reactive barrier in an acidic floodplain. <i>Computers and Geotechnics</i> , 2020, 124, 103605.	4.7	13
11	Energy-Based Approach to Assess the Performance of a Granular Matrix Consisting of Recycled Rubber, Steel-Furnace Slag, and Coal Wash. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	29
12	The role of particle shape on hydraulic conductivity of granular soils captured through Kozenyâ€“Carman approach. <i>Geotechnique Letters</i> , 2020, 10, 398-403.	1.2	19
13	Mitigating ballast degradation with under-sleeper rubber pads: Experimental and numerical perspectives. <i>Computers and Geotechnics</i> , 2020, 122, 103540.	4.7	30
14	Behaviour of ballast under principal stress rotation: Multi-laminate approach for moving loads. <i>Computers and Geotechnics</i> , 2020, 125, 103655.	4.7	7
15	The Use of Under Sleeper Pads to Improve the Performance of Rail Tracks. <i>Indian Geotechnical Journal</i> , 2020, 50, 204-212.	1.4	9
16	Stabilisation of Stiffer Rail Track Substructure Using Artificial Inclusion. <i>Indian Geotechnical Journal</i> , 2020, 50, 196-203.	1.4	7
17	Improved performance of ballasted tracks under impact loading by recycled rubber mats. <i>Transportation Geotechnics</i> , 2019, 20, 100239.	4.5	22
18	Compaction, degradation and deformation characteristics of an energy absorbing matrix. <i>Transportation Geotechnics</i> , 2019, 19, 74-83.	4.5	20

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19	Soft Ground Improvementâ€”Theoretical, Experimental, Numerical and Field Studies. Developments in Geotechnical Engineering, 2019, , 183-216.	0.6	1
20	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
21	Shear strength of a vegetated soil incorporating both root reinforcement and suction. Transportation Geotechnics, 2019, 18, 72-82.	4.5	21
22	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
23	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
24	Mechanical response and pore pressure generation in granular filters subjected to uniaxial cyclic loading. Canadian Geotechnical Journal, 2018, 55, 1756-1768.	2.8	9
25	Mechanisms of stabilization of expansive soil with lignosulfonate admixture. Transportation Geotechnics, 2018, 14, 81-92.	4.5	85
26	Application of geoinclusions for sustainable rail infrastructure under increased axle loads and higher speeds. Innovative Infrastructure Solutions, 2018, 3, 1.	2.2	18
27	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
28	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
29	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
30	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
31	Moving Loads on a Viscoelastic Foundation with Special Reference to Railway Transition Zones. International Journal of Geomechanics, 2018, 18, .	2.7	9
32	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
33	Stabilization of track substructure with geo-inclusionsâ€”experimental evidence and DEM simulation. International Journal of Rail Transportation, 2017, 5, 63-86.	2.7	34
34	Modelling the Shear Behaviour of Clean Rock Discontinuities Using Artificial Neural Networks. Rock Mechanics and Rock Engineering, 2017, 50, 1817-1831.	5.4	19
35	Current research into ballasted rail tracks: model tests and their practical implications. Australian Journal of Structural Engineering, 2017, 18, 204-220.	1.1	16
36	A study of the geogridâ€”subballast interface via experimental evaluation and discrete element modelling. Granular Matter, 2017, 19, 1.	2.2	29

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37	Strength Criterion for Intact Rock. Indian Geotechnical Journal, 2017, 47, 261-264.	1.4	2
38	Application of fractional calculus in modelling ballast deformation under cyclic loading. Computers and Geotechnics, 2017, 82, 16-30.	4.7	32
39	An Elasto-plastic Method for Analysing the Deformation of the Railway Ballast. Procedia Engineering, 2016, 143, 954-960.	1.2	7
40	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
41	Application of Shock Mats in Rail Track Foundation Subjected to Dynamic Loads. Procedia Engineering, 2016, 143, 1108-1119.	1.2	13
42	1st Proctor Lecture of ISSMGE:. Transportation Geotechnics, 2016, 7, 74-114.	4.5	31
43	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
44	Modelling of geocell-reinforced subballast subjected to cyclic loading. Geotextiles and Geomembranes, 2016, 44, 489-503.	4.6	104
45	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
46	Discrete element modelling of lateral displacement of a granular assembly under cyclic loading. Computers and Geotechnics, 2015, 69, 474-484.	4.7	57
47	An evaluation of the interface behaviour of rail subballast stabilised with geogrids and geomembranes. Geotextiles and Geomembranes, 2015, 43, 240-249.	4.6	60
48	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
49	Application of bounding surface plasticity concept for clay-fouled ballast under drained loading. Computers and Geotechnics, 2015, 70, 96-105.	4.7	19
50	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
51	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
52	Observed and predicted behaviour of rail ballast under monotonic loading capturing particle breakage. Canadian Geotechnical Journal, 2015, 52, 73-86.	2.8	80
53	From theory to practice in track geomechanics â€“ Australian perspective for synthetic inclusions. Transportation Geotechnics, 2014, 1, 171-187.	4.5	49
54	Effect of cyclic loading frequency on the permanent deformation and degradation of railway ballast. Geotechnique, 2014, 64, 746-751.	4.0	120

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55	Three-dimensional characterisation of particle size and shape for ballast. <i>Geotechnique Letters</i> , 2014, 4, 197-202.	1.2	68
56	DEM simulation of the behaviour of geogrid stabilised ballast fouled with coal. <i>Computers and Geotechnics</i> , 2014, 55, 224-231.	4.7	152
57	Coupled hydro-geochemical modelling of a permeable reactive barrier for treating acidic groundwater. <i>Computers and Geotechnics</i> , 2014, 55, 429-439.	4.7	27
58	Behavior of Fresh and Fouled Railway Ballast Subjected to Direct Shear Testing: Discrete Element Simulation. <i>International Journal of Geomechanics</i> , 2014, 14, 34-44.	2.7	170
59	A theoretical and experimental study on the behaviour of lignosulfonate-treated sandy silt. <i>Computers and Geotechnics</i> , 2014, 61, 316-327.	4.7	71
60	A constitutive model for coal-fouled ballast capturing the effects of particle degradation. <i>Computers and Geotechnics</i> , 2014, 61, 96-107.	4.7	57
61	Laboratory study of small-strain behavior of a compacted silty sand. <i>Canadian Geotechnical Journal</i> , 2013, 50, 179-188.	2.8	53
62	Numerical Solution of Stone Columnâ€œImproved Soft Soil Considering Arching, Clogging, and Smear Effects. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 377-394.	3.0	102
63	Behaviour of clay-fouled ballast under drained triaxial testing. <i>Geotechnique</i> , 2013, 63, 410-419.	4.0	106
64	Deformation of Coal Fouled Ballast Stabilized with Geogrid under Cyclic Load. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1275-1289.	3.0	96
65	Stress-Strain Degradation Response of Railway Ballast Stabilized with Geosynthetics. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 684-700.	3.0	139
66	Estimating the Rate of Erosion of a Silty Sand Treated with Lignosulfonate. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 701-714.	3.0	82
67	The lateral displacement response of geogrid-reinforced ballast under cyclic loading. <i>Geotextiles and Geomembranes</i> , 2013, 39, 20-29.	4.6	103
68	Radial consolidation of soft soil under cyclic loads. <i>Computers and Geotechnics</i> , 2013, 50, 1-5.	4.7	29
69	Analytical Solutions for Filtration Process Based on Constriction Size Concept. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1049-1061.	3.0	12
70	Laboratory Evaluation of Coefficient of Radial Consolidation Based on Pore-Water-Pressure Dissipation and Settlement. <i>Geotechnical Testing Journal</i> , 2013, 36, 20120032.	1.0	11
71	Closure to â€œAssessing the Potential of Internal Erosion and Suffusion of Granular Soilsâ€œ by Buddhima Indraratna, Vo Trong Nguyen, and Cholachat Rujikiatkamjorn. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 775-775.	3.0	1
72	Semiempirical Cyclic Densification Model for Ballast Incorporating Particle Breakage. <i>International Journal of Geomechanics</i> , 2012, 12, 260-271.	2.7	49

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73	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
74	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
75	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
76	Vertical drain consolidation with non-Darcian flow and void-ratio-dependent compressibility and permeability. Geotechnique, 2012, 62, 985-997.	4.0	48
77	Final state of soils under vacuum preloading. Canadian Geotechnical Journal, 2012, 49, 729-739.	2.8	27
78	Reply to the discussion by Wang and Dallo on "Hydraulic conductivity of saturated granular soils determined using a constriction-based technique". Appears in the Canadian Geotechnical Journal, 49(10): 1221-1222 [doi:10.1139/t2012-078]. Canadian Geotechnical Journal, 2012, 49, 1223-1224.	2.8	1
79	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
80	Hydraulic conductivity of saturated granular soils determined using a constriction-based technique. Canadian Geotechnical Journal, 2012, 49, 607-613.	2.8	40
81	Soft ground improvement via vertical drains and vacuum assisted preloading. Geotextiles and Geomembranes, 2012, 30, 16-23.	4.6	97
82	General Strength Criterion for Geomaterials Including Anisotropic Effect. International Journal of Geomechanics, 2011, 11, 251-262.	2.7	34
83	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
84	Effectiveness of partially penetrating vertical drains under a combined surcharge and vacuum preloading. Canadian Geotechnical Journal, 2011, 48, 970-983.	2.8	41
85	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
86	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
87	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
88	Behavior of geogrid-reinforced ballast under various levels of fouling. Geotextiles and Geomembranes, 2011, 29, 313-322.	4.6	139
89	A new parameter for classification and evaluation of railway ballast fouling. Canadian Geotechnical Journal, 2011, 48, 322-326.	2.8	64
90	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

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91	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
92	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
93	Effect of soil-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
94	Bioengineering ground improvement considering root water uptake model. Ecological Engineering, 2010, 36, 222-229.	3.6	46
95	Investigation on effectiveness of a prefabricated vertical drain during cyclic loading. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012091.	0.6	1
96	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
97	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
98	Assessment of Subballast Filtration under Cyclic Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1519-1528.	3.0	59
99	Comparison between Models of Rock Discontinuity Strength and Deformation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 864-874.	3.0	17
100	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
101	A shear-displacement criterion for soil-infilled rock discontinuities. Geotechnique, 2010, 60, 623-633.	4.0	39
102	<i>Class A</i> 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
103	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
104	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
105	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
106	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
107	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
108	Consolidation analysis of a stratified soil with vertical and horizontal drainage using the spectral method. Geotechnique, 2009, 59, 439-449.	4.0	49

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109	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
110	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
111	Parametric studies on bioengineering effects of tree root-based suction on ground behaviour. Ecological Engineering, 2009, 35, 1415-1426.	3.6	27
112	Modelling the erosion rate of chemically stabilized soil incorporating tensile force " deformation characteristics. Canadian Geotechnical Journal, 2009, 46, 57-68.	2.8	36
113	Internal Erosional Behaviour of Lignosulfonate Treated Dispersive Clay. , 2009, , .		9
114	Soft Soil Foundation Improved by Vacuum and Surcharge Preloading at Ballina Bypass, Australia. , 2009, , .		6
115	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
116	Further Advancement in Filtration Criteria through Constriction-Based Techniques. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 883-887.	3.0	36
117	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
118	Shear strength model for overconsolidated clay-infilled idealised rock joints. Geotechnique, 2008, 58, 55-65.	4.0	63
119	Foundation behaviour below an embankment on soft soils. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2008, 161, 259-267.	1.6	3
120	Constriction-Based Retention Criterion for Granular Filter Design. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 266-276.	3.0	120
121	Effect of confining pressure on ballast degradation and deformation under cyclic triaxial loading. Geotechnique, 2007, 57, 527-536.	4.0	303
122	Vertical drain consolidation with overlapping smear zones. Geotechnique, 2007, 57, 463-467.	4.0	69
123	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
124	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
125	Modeling the mechanical behavior of railway ballast using artificial neural networks. Canadian Geotechnical Journal, 2006, 43, 1144-1152.	2.8	30
126	Plane-strain lateral consolidation with non-Darcian flow. Canadian Geotechnical Journal, 2006, 43, 119-133.	2.8	10

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127	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
128	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
129	Enhanced Criterion for Base Soil Retention in Embankment Dam Filters. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 1621-1627.	3.0	30
130	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
131	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
132	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
133	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
134	Radial consolidation of clay using compressibility indices and varying horizontal permeability. Canadian Geotechnical Journal, 2005, 42, 1330-1341.	2.8	121
135	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
136	A shear strength model for idealised infilled joints under constant normal stiffness. Geotechnique, 2005, 55, 215-226.	4.0	14
137	Effect of confining pressure on the degradation of ballast under cyclic loading. Geotechnique, 2005, 55, 325-328.	4.0	61
138	A new elastoplastic constitutive model for coarse granular aggregates incorporating particle breakage. Canadian Geotechnical Journal, 2004, 41, 657-671.	2.8	166
139	Numerical modeling of vacuum preloading and field applications. Canadian Geotechnical Journal, 2004, 41, 1098-1110.	2.8	103
140	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
141	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
142	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
143	Some aspects of unsaturated flow in jointed rock. International Journal of Rock Mechanics and Minings Sciences, 2002, 39, 555-568.	5.8	8
144	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

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145	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
146	Time-Dependent Particle Transport through Granular Filters. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 521-529.	3.0	105
147	Evaluation of surface and groundwater management strategies for drained sulfidic soil using numerical simulation models. Soil Research, 2000, 38, 569.	1.1	40
148	Numerical modeling of vertical drains with smear and well resistance installed in soft clay. Canadian Geotechnical Journal, 2000, 37, 132-145.	2.8	24
149	Closure to "Plane-Strain Modeling of Smear Effects Associated with Vertical Drains" by B. Indraratna and I. W. Redana. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1999, 125, 98-99.	3.0	3
150	Shear behaviour of idealized infilled joints under constant normal stiffness. Geotechnique, 1999, 49, 331-355.	4.0	101
151	Laboratory Determination of Smear Zone due to Vertical Drain Installation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1998, 124, 180-184.	3.0	169
152	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
153	Plane-Strain Modeling of Smear Effects Associated with Vertical Drains. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 474-478.	3.0	152
154	Analytical Model for Particle Migration within Base Soil-Filter System. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 100-109.	3.0	77
155	Performance of Embankment Stabilized with Vertical Drains on Soft Clay. Journal of Geotechnical Engineering, 1994, 120, 257-273.	0.4	67
156	Large-scale triaxial testing of grey wacke rockfill. Geotechnique, 1993, 43, 37-51.	4.0	172
157	Performance of Test Embankment Constructed to Failure on Soft Marine Clay. Journal of Geotechnical Engineering, 1992, 118, 12-33.	0.4	109
158	Development of negative skin friction on driven piles in soft Bangkok clay. Canadian Geotechnical Journal, 1992, 29, 393-404.	2.8	66
159	Development and applications of a synthetic material to simulate soft sedimentary rocks. Geotechnique, 1990, 40, 189-200.	4.0	72