

# Buddhima Indraratna

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6729557/publications.pdf>

Version: 2024-02-01

157  
papers

7,925  
citations

34016

52  
h-index

58464

82  
g-index

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.	2.2	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.	2.2	2
3	Chemical clogging of granular media under acidic groundwater conditions. <i>Environmental Geotechnics</i> , 2022, 9, 450-462.	1.3	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.	0.7	18
5	Geotechnical characteristics of a Rubber Intermixed Ballast System. <i>Acta Geotechnica</i> , 2022, 17, 1847-1858.	2.9	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.	2.9	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, .	1.3	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.	1.6	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, .	1.3	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.	2.3	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, .	1.3	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.	0.6	19
13	Mitigating ballast degradation with under-sleeper rubber pads: Experimental and numerical perspectives. <i>Computers and Geotechnics</i> , 2020, 122, 103540.	2.3	30
14	Behaviour of ballast under principal stress rotation: Multi-laminate approach for moving loads. <i>Computers and Geotechnics</i> , 2020, 125, 103655.	2.3	7
15	The Use of Under Sleeper Pads to Improve the Performance of Rail Tracks. <i>Indian Geotechnical Journal</i> , 2020, 50, 204-212.	0.7	9
16	Stabilisation of Stiffer Rail Track Substructure Using Artificial Inclusion. <i>Indian Geotechnical Journal</i> , 2020, 50, 196-203.	0.7	7
17	Improved performance of ballasted tracks under impact loading by recycled rubber mats. <i>Transportation Geotechnics</i> , 2019, 20, 100239.	2.0	22
18	Compaction, degradation and deformation characteristics of an energy absorbing matrix. <i>Transportation Geotechnics</i> , 2019, 19, 74-83.	2.0	20

#	ARTICLE	IF	CITATIONS
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.	3.7	23
21	Shear strength of a vegetated soil incorporating both root reinforcement and suction. Transportation Geotechnics, 2019, 18, 72-82.	2.0	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, .	1.5	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.	0.7	19
24	Mechanical response and pore pressure generation in granular filters subjected to uniaxial cyclic loading. Canadian Geotechnical Journal, 2018, 55, 1756-1768.	1.4	9
25	Mechanisms of stabilization of expansive soil with lignosulfonate admixture. Transportation Geotechnics, 2018, 14, 81-92.	2.0	85
26	Application of geoinclusions for sustainable rail infrastructure under increased axle loads and higher speeds. Innovative Infrastructure Solutions, 2018, 3, 1.	1.1	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.	1.5	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, .	1.3	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, .	1.5	78
30	Radial consolidation characteristics of soft undisturbed clay based on large specimens. Journal of Rock Mechanics and Geotechnical Engineering, 2018, 10, 1037-1045.	3.7	14
31	Moving Loads on a Viscoelastic Foundation with Special Reference to Railway Transition Zones. International Journal of Geomechanics, 2018, 18, .	1.3	9
32	Influence of Particle Gradation and Shape on the Performance of Stone Columns in Soft Clay. Geotechnical Testing Journal, 2018, 41, 1076-1091.	0.5	9
33	Stabilization of track substructure with geo-inclusionsâ€”experimental evidence and DEM simulation. International Journal of Rail Transportation, 2017, 5, 63-86.	1.8	34
34	Modelling the Shear Behaviour of Clean Rock Discontinuities Using Artificial Neural Networks. Rock Mechanics and Rock Engineering, 2017, 50, 1817-1831.	2.6	19
35	Current research into ballasted rail tracks: model tests and their practical implications. Australian Journal of Structural Engineering, 2017, 18, 204-220.	0.4	16
36	A study of the geogridâ€”subballast interface via experimental evaluation and discrete element modelling. Granular Matter, 2017, 19, 1.	1.1	29

#	ARTICLE	IF	CITATIONS
37	Strength Criterion for Intact Rock. Indian Geotechnical Journal, 2017, 47, 261-264.	0.7	2
38	Application of fractional calculus in modelling ballast deformation under cyclic loading. Computers and Geotechnics, 2017, 82, 16-30.	2.3	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.	2.0	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.	3.7	48
44	Modelling of geocell-reinforced subballast subjected to cyclic loading. Geotextiles and Geomembranes, 2016, 44, 489-503.	2.3	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.	2.6	18
46	Discrete element modelling of lateral displacement of a granular assembly under cyclic loading. Computers and Geotechnics, 2015, 69, 474-484.	2.3	57
47	An evaluation of the interface behaviour of rail subballast stabilised with geogrids and geomembranes. Geotextiles and Geomembranes, 2015, 43, 240-249.	2.3	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.	2.3	7
49	Application of bounding surface plasticity concept for clay-fouled ballast under drained loading. Computers and Geotechnics, 2015, 70, 96-105.	2.3	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.	2.6	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.	2.3	97
52	Observed and predicted behaviour of rail ballast under monotonic loading capturing particle breakage. Canadian Geotechnical Journal, 2015, 52, 73-86.	1.4	80
53	From theory to practice in track geomechanics â€“ Australian perspective for synthetic inclusions. Transportation Geotechnics, 2014, 1, 171-187.	2.0	49
54	Effect of cyclic loading frequency on the permanent deformation and degradation of railway ballast. Geotechnique, 2014, 64, 746-751.	2.2	120

#	ARTICLE	IF	CITATIONS
55	Three-dimensional characterisation of particle size and shape for ballast. <i>Geotechnique Letters</i> , 2014, 4, 197-202.	0.6	68
56	DEM simulation of the behaviour of geogrid stabilised ballast fouled with coal. <i>Computers and Geotechnics</i> , 2014, 55, 224-231.	2.3	152
57	Coupled hydro-geochemical modelling of a permeable reactive barrier for treating acidic groundwater. <i>Computers and Geotechnics</i> , 2014, 55, 429-439.	2.3	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.	1.3	170
59	A theoretical and experimental study on the behaviour of lignosulfonate-treated sandy silt. <i>Computers and Geotechnics</i> , 2014, 61, 316-327.	2.3	71
60	A constitutive model for coal-fouled ballast capturing the effects of particle degradation. <i>Computers and Geotechnics</i> , 2014, 61, 96-107.	2.3	57
61	Laboratory study of small-strain behavior of a compacted silty sand. <i>Canadian Geotechnical Journal</i> , 2013, 50, 179-188.	1.4	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.	1.5	102
63	Behaviour of clay-fouled ballast under drained triaxial testing. <i>Geotechnique</i> , 2013, 63, 410-419.	2.2	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.	1.5	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.	1.5	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.	1.5	82
67	The lateral displacement response of geogrid-reinforced ballast under cyclic loading. <i>Geotextiles and Geomembranes</i> , 2013, 39, 20-29.	2.3	103
68	Radial consolidation of soft soil under cyclic loads. <i>Computers and Geotechnics</i> , 2013, 50, 1-5.	2.3	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.	1.5	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.	0.5	11
71	Closure to â€œAssessing the Potential of Internal Erosion and Suffusion of Granular Soilsâ€-by Buddhima Indraratna, Vo Trong Nguyen, and Cholachat Rujikiatkamjorn. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 775-775.	1.5	1
72	Semiempirical Cyclic Densification Model for Ballast Incorporating Particle Breakage. <i>International Journal of Geomechanics</i> , 2012, 12, 260-271.	1.3	49

#	ARTICLE	IF	CITATIONS
73	Improved Performance of Railway Ballast under Impact Loads Using Shock Mats. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 281-294.	1.5	144
74	Laboratory and Finite-Element Investigation of Soil Disturbance Associated with the Installation of Mandrel-Driven Prefabricated Vertical Drains. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 295-308.	1.5	24
75	Analytical Solutions for a Single Vertical Drain with Vacuum and Time-Dependent Surcharge Preloading in Membrane and Membraneless Systems. <i>International Journal of Geomechanics</i> , 2012, 12, 27-42.	1.3	62
76	Vertical drain consolidation with non-Darcian flow and void-ratio-dependent compressibility and permeability. <i>Geotechnique</i> , 2012, 62, 985-997.	2.2	48
77	Final state of soils under vacuum preloading. <i>Canadian Geotechnical Journal</i> , 2012, 49, 729-739.	1.4	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 <i>Canadian Geotechnical Journal</i> , 49(10): 1221-1222 [doi:10.1139/t2012-078]. <i>Canadian Geotechnical Journal</i> , 2012, 49, 1223-1224.	1.4	1
79	A new equation for the equivalent hydraulic conductivity of rock mass around a tunnel. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2012, 54, 125-128.	2.6	11
80	Hydraulic conductivity of saturated granular soils determined using a constriction-based technique. <i>Canadian Geotechnical Journal</i> , 2012, 49, 607-613.	1.4	40
81	Soft ground improvement via vertical drains and vacuum assisted preloading. <i>Geotextiles and Geomembranes</i> , 2012, 30, 16-23.	2.3	97
82	General Strength Criterion for Geomaterials Including Anisotropic Effect. <i>International Journal of Geomechanics</i> , 2011, 11, 251-262.	1.3	34
83	Automatic Classification of Ground-Penetrating-Radar Signals for Railway-Ballast Assessment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 3961-3972.	2.7	74
84	Effectiveness of partially penetrating vertical drains under a combined surcharge and vacuum preloading. <i>Canadian Geotechnical Journal</i> , 2011, 48, 970-983.	1.4	41
85	Evaluating waste concrete for the treatment of acid sulphate soil groundwater from coastal floodplains. <i>Desalination and Water Treatment</i> , 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. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2011, 44, 199-209.	0.8	0
87	Assessing the Potential of Internal Erosion and Suffusion of Granular Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 550-554.	1.5	104
88	Behavior of geogrid-reinforced ballast under various levels of fouling. <i>Geotextiles and Geomembranes</i> , 2011, 29, 313-322.	2.3	139
89	A new parameter for classification and evaluation of railway ballast fouling. <i>Canadian Geotechnical Journal</i> , 2011, 48, 322-326.	1.4	64
90	Performance and Prediction of Vacuum Combined Surcharge Consolidation at Port of Brisbane. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 1009-1018.	1.5	113

#	ARTICLE	IF	CITATIONS
91	Treatment of Acidic Groundwater in Acid Sulfate Soil Terrain Using Recycled Concrete: Column Experiments. Journal of Environmental Engineering, ASCE, 2011, 137, 433-443.	0.7	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.	0.3	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.	2.6	42
94	Bioengineering ground improvement considering root water uptake model. Ecological Engineering, 2010, 36, 222-229.	1.6	46
95	Investigation on effectiveness of a prefabricated vertical drain during cyclic loading. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012091.	0.3	1
96	Effect of particle breakage on cyclic densification of ballast: A DEM approach. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012229.	0.3	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.	1.5	8
98	Assessment of Subballast Filtration under Cyclic Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1519-1528.	1.5	59
99	Comparison between Models of Rock Discontinuity Strength and Deformation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 864-874.	1.5	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.	1.5	26
101	A shear-displacement criterion for soil-infilled rock discontinuities. Geotechnique, 2010, 60, 623-633.	2.2	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.	1.5	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.	1.5	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.	1.4	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.	1.4	29
106	Tidal-forcing groundwater dynamics in a restored coastal wetland: implications of saline intrusion. Australian Journal of Earth Sciences, 2009, 56, 31-40.	0.4	3
107	Experimental Investigation on Effectiveness of a Vertical Drain under Cyclic Loads. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 835-839.	1.5	40
108	Consolidation analysis of a stratified soil with vertical and horizontal drainage using the spectral method. Geotechnique, 2009, 59, 439-449.	2.2	49

#	ARTICLE	IF	CITATIONS
109	Vertical and Radial Consolidation Analysis of Multilayered Soil Using the Spectral Method. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 657-663.	1.5	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.	1.3	15
111	Parametric studies on bioengineering effects of tree root-based suction on ground behaviour. Ecological Engineering, 2009, 35, 1415-1426.	1.6	27
112	Modelling the erosion rate of chemically stabilized soil incorporating tensile force " deformation characteristics. Canadian Geotechnical Journal, 2009, 46, 57-68.	1.4	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.	1.5	89
116	Further Advancement in Filtration Criteria through Constriction-Based Techniques. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 883-887.	1.5	36
117	Response of Multilayer Foundation System beneath Railway Track under Cyclic Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1558-1563.	1.5	22
118	Shear strength model for overconsolidated clay-infilled idealised rock joints. Geotechnique, 2008, 58, 55-65.	2.2	63
119	Foundation behaviour below an embankment on soft soils. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2008, 161, 259-267.	0.9	3
120	Constriction-Based Retention Criterion for Granular Filter Design. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 266-276.	1.5	120
121	Effect of confining pressure on ballast degradation and deformation under cyclic triaxial loading. Geotechnique, 2007, 57, 527-536.	2.2	303
122	Vertical drain consolidation with overlapping smear zones. Geotechnique, 2007, 57, 463-467.	2.2	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.	1.4	47
124	Analytical solutions and design curves for vacuum-assisted consolidation with both vertical and horizontal drainage. Canadian Geotechnical Journal, 2007, 44, 188-200.	1.4	64
125	Modeling the mechanical behavior of railway ballast using artificial neural networks. Canadian Geotechnical Journal, 2006, 43, 1144-1152.	1.4	30
126	Plane-strain lateral consolidation with non-Darcian flow. Canadian Geotechnical Journal, 2006, 43, 119-133.	1.4	10



#	ARTICLE	IF	CITATIONS
127	Laboratory Evaluation of Smear Zone and Correlation between Permeability and Moisture Content. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 942-945.	1.5	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.	0.8	12
129	Enhanced Criterion for Base Soil Retention in Embankment Dam Filters. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 1621-1627.	1.5	30
130	Vertical Drain Consolidation with Parabolic Distribution of Permeability in Smear Zone. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 937-941.	1.5	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.	1.4	0
132	Acid sulphate soil remediation techniques on the Shoalhaven River floodplain, Australia. Quarterly Journal of Engineering Geology and Hydrogeology, 2005, 38, 129-142.	0.8	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.	1.5	2
134	Radial consolidation of clay using compressibility indices and varying horizontal permeability. Canadian Geotechnical Journal, 2005, 42, 1330-1341.	1.4	121
135	Analytical and numerical solutions for a single vertical drain including the effects of vacuum preloading. Canadian Geotechnical Journal, 2005, 42, 994-1014.	1.4	140
136	A shear strength model for idealised infilled joints under constant normal stiffness. Geotechnique, 2005, 55, 215-226.	2.2	14
137	A new elastoplastic constitutive model for coarse granular aggregates incorporating particle breakage. Canadian Geotechnical Journal, 2004, 41, 657-671.	1.4	166
138	Numerical modeling of vacuum preloading and field applications. Canadian Geotechnical Journal, 2004, 41, 1098-1110.	1.4	103
139	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.	0.6	16
140	Two-Phase (Air and Water) Flow through Rock Joints: Analytical and Experimental Study. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 918-928.	1.5	11
141	A Cylindrical Model of Pyrite Oxidation in Coastal Acidic Soils with Michaelis-Menten Uptake Kinetics. Environmental and Engineering Geoscience, 2002, 8, 329-334.	0.3	2
142	Some aspects of unsaturated flow in jointed rock. International Journal of Rock Mechanics and Minings Sciences, 2002, 39, 555-568.	2.6	8
143	Pyrite Oxidation Model for Assessing Ground-Water Management Strategies in Acid Sulfate Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 146-157.	1.5	22
144	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.	1.5	20

#	ARTICLE	IF	CITATIONS
145	Time-Dependent Particle Transport through Granular Filters. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 521-529.	1.5	105
146	Evaluation of surface and groundwater management strategies for drained sulfidic soil using numerical simulation models. Soil Research, 2000, 38, 569.	0.6	40
147	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.	1.5	3
148	Shear behaviour of idealized infilled joints under constant normal stiffness. Geotechnique, 1999, 49, 331-355.	2.2	101
149	Laboratory Determination of Smear Zone due to Vertical Drain Installation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1998, 124, 180-184.	1.5	169
150	Shear Behavior of Railway Ballast Based on Large-Scale Triaxial Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1998, 124, 439-449.	1.5	342
151	Plane-Strain Modeling of Smear Effects Associated with Vertical Drains. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 474-478.	1.5	152
152	Analytical Model for Particle Migration within Base Soil-Filter System. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 100-109.	1.5	77
153	Performance of Embankment Stabilized with Vertical Drains on Soft Clay. Journal of Geotechnical Engineering, 1994, 120, 257-273.	0.4	67
154	Large-scale triaxial testing of grey wacke rockfill. Geotechnique, 1993, 43, 37-51.	2.2	172
155	Performance of Test Embankment Constructed to Failure on Soft Marine Clay. Journal of Geotechnical Engineering, 1992, 118, 12-33.	0.4	109
156	Development of negative skin friction on driven piles in soft Bangkok clay. Canadian Geotechnical Journal, 1992, 29, 393-404.	1.4	66
157	Development and applications of a synthetic material to simulate soft sedimentary rocks. Geotechnique, 1990, 40, 189-200.	2.2	72