

D N Singh

List of Publications by Year in descending order

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56
papers

1,126
citations

394421

19
h-index

414414

32
g-index

56
all docs

56
docs citations

56
times ranked

932
citing authors

#	ARTICLE	IF	CITATIONS
1	A generalized relationship to estimate thermal resistivity of soils. Canadian Geotechnical Journal, 1999, 36, 767-773.	2.8	114
2	Laboratory Simulation of Flow through Single Fractured Granite. Rock Mechanics and Rock Engineering, 2015, 48, 987-1000.	5.4	90
3	Comparison of Methods for Determining Specific-surface Area of Fine-grained Soils. Geotechnical and Geological Engineering, 2008, 26, 121-132.	1.7	81
4	Methodology for determination of osmotic suction of soils. Geotechnical and Geological Engineering, 2006, 24, 1469-1479.	1.7	52
5	Studies on the determination of swelling properties of soils from suction measurements. Canadian Geotechnical Journal, 2011, 48, 375-387.	2.8	49
6	Investigation on Cracking Characteristics of Fine-Grained Soils Under Varied Environmental Conditions. Drying Technology, 2013, 31, 1255-1266.	3.1	49
7	Interface Behavior from Suction-Controlled Direct Shear Test on Completely Decomposed Granitic Soil and Steel Surfaces. International Journal of Geomechanics, 2016, 16, .	2.7	47
8	Estimation of unsaturated hydraulic conductivity using soil suction measurements obtained by an insertion tensiometer. Canadian Geotechnical Journal, 2003, 40, 476-483.	2.8	36
9	A Methodology for Determination of Resilient Modulus of Asphaltic Concrete. Advances in Civil Engineering, 2011, 2011, 1-6.	0.7	35
10	Estimation of hydraulic conductivity of unsaturated soils using a geotechnical centrifuge. Canadian Geotechnical Journal, 2002, 39, 684-694.	2.8	33
11	Three-Dimensional Finite Element Analysis of Underground Caverns. International Journal of Geomechanics, 2004, 4, 224-228.	2.7	30
12	Studies on the determination of shear wave velocity in sands. Geomechanics and Geoengineering, 2007, 2, 41-49.	1.8	29
13	Influence of Initial Water Content and Specimen Thickness on the SWCC of Fine-Grained Soils. International Journal of Geomechanics, 2013, 13, 894-899.	2.7	27
14	Simulating Flow through Fractures in a Rock Mass Using Analog Material. International Journal of Geomechanics, 2014, 14, 8-19.	2.7	26
15	A Modified Suction-Controlled Direct Shear Device for Testing Unsaturated Soil and Steel Plate Interface. Marine Georesources and Geotechnology, 2015, 33, 289-298.	2.1	26
16	State-of-the-Art of Gas Hydrates and Relative Permeability of Hydrate Bearing Sediments. Marine Georesources and Geotechnology, 2016, 34, 450-464.	2.1	25
17	State-of-the-art on geotechnical engineering perspective on bio-mediated processes. Environmental Earth Sciences, 2016, 75, 1.	2.7	24
18	Characterization of Sediments for Sustainable Development: State of the Art. Marine Georesources and Geotechnology, 2015, 33, 447-465.	2.1	23

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19	Application of impedance spectroscopy for modeling flow of AC in soils. Geomechanics and Geoengineering, 2007, 2, 197-206.	1.8	21
20	Influence of Drying and Wetting Cycles on SWCCs of Fine-Grained Soils. Journal of Testing and Evaluation, 2012, 40, 376-386.	0.7	19
21	Influences of Initial Water Content and Roughness on Skin Friction of Piles Using FBG Technique. International Journal of Geomechanics, 2017, 17, 04016097.	2.7	18
22	Performance Analysis of Piezo-Ceramic Elements in Soils. Geotechnical and Geological Engineering, 2010, 28, 681-694.	1.7	17
23	Determination of distribution coefficient of geomaterials and immobilizing agents. Canadian Geotechnical Journal, 2010, 47, 1139-1148.	2.8	17
24	Direct Shear Testing Study of the Interface Behavior between Steel Plate and Compacted Completely Decomposed Granite under Different Vertical Stresses and Suctions. Journal of Engineering Mechanics - ASCE, 2018, 144, .	2.9	15
25	Effect of zeolitization on physicochemico-mineralogical and geotechnical properties of lagoon ash. Canadian Geotechnical Journal, 2001, 38, 1105-1112.	2.8	14
26	Application of Laser Microscopy for Studying Crack Characteristics of Fine-Grained Soils. Geotechnical Testing Journal, 2013, 36, 20120004.	1.0	14
27	Estimation of Tensile Strength of Soils from Penetration Resistance. International Journal of Geomechanics, 2013, 13, 496-501.	2.7	12
28	Establishing Sensitivity of Distribution Coefficient on Various Attributes of a Soil-Contaminant System. Journal of Hazardous, Toxic, and Radioactive Waste, 2014, 18, 64-75.	2.0	12
29	Influence of Matric Suction and Counterface Roughness on Shearing Behavior of Completely Decomposed Granitic Soil and Steel Interface. Indian Geotechnical Journal, 2017, 47, 150-160.	1.4	12
30	Establishing Soil-Water Characteristic Curve of a Fine-Grained Soil from Electrical Measurements. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 751-754.	3.0	11
31	Water retention characteristics of swelling clays in different compaction states. Geomechanics and Geoengineering, 2018, 13, 88-103.	1.8	11
32	A Methodology for Simulating Radionuclide Diffusion in Unsaturated Soils. Geotechnical and Geological Engineering, 2009, 27, 13-21.	1.7	10
33	Methodology for Determining Particle-Size Distribution Characteristics of Fly Ashes. Journal of Materials in Civil Engineering, 2010, 22, 435-442.	2.9	10
34	Application of the Taguchi Method in Establishing Criticality of Parameters that Influence Cracking Characteristics of Fine-Grained Soils. Drying Technology, 2015, 33, 1138-1149.	3.1	10
35	Stabilization of Fine-Grained Soils Against Desiccation Cracking Using Sustainable Materials. Advances in Civil Engineering Materials, 2017, 6, 36-67.	0.6	10
36	Dynamic Analysis of Underground Openings. Rock Mechanics and Rock Engineering, 2004, 37, 299-315.	5.4	9

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37	Guidelines for Quantification of Geomaterial-Contaminant Interaction. Journal of Hazardous, Toxic, and Radioactive Waste, 2016, 20, 04015012.	2.0	8
38	Statistical Analysis for Prediction of Distribution Coefficient of Soil-Contaminant System. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.4	8
39	Experimental Methodology to Assess Contaminant Diffusion in Rock Mass. Environmental Monitoring and Assessment, 2004, 91, 277-291.	2.7	7
40	A Novel Technique for Monitoring Contaminant Transport Through Soils. Environmental Monitoring and Assessment, 2005, 109, 147-160.	2.7	7
41	A novel technique for studying diffusion of contaminants in fine-grained soils. Geomechanics and Geoengineering, 2008, 3, 199-209.	1.8	7
42	Characterization of Sediments From the Sewage Disposal Lagoons for Sustainable Development. Advances in Civil Engineering Materials, 2016, 5, 1-23.	0.6	7
43	Diffusion of iodide, cesium and strontium in charnockite rock mass. Journal of Radioanalytical and Nuclear Chemistry, 2004, 262, 639-644.	1.5	6
44	A Generalized Relationship for Determination of Tensile Strength of Fine-Grained Soils from Shrinkage Characteristics. Drying Technology, 2014, 32, 869-876.	3.1	6
45	Some investigations to quantify hysteresis associated with water retention behaviour of fine-grained soils. Geomechanics and Geoengineering, 2018, 13, 264-275.	1.8	5
46	Electrical analogy for modelling thermal regime and moisture distribution in sandy soils. Geomechanics and Geoengineering, 2018, 13, 22-32.	1.8	5
47	Influence of microstructure on drying- and wetting-characteristics of fine-grained soils. Geomechanics and Geoengineering, 2019, 14, 271-284.	1.8	5
48	Investigations on Influence of Bio-Geo Interface on Suction Characteristics of Fine-Grained Soil. Geotechnical and Geological Engineering, 2017, 35, 607-614.	1.7	4
49	A Generalized Relationship for Estimating Dielectric Constant of Soils. Journal of ASTM International, 2007, 4, 100595.	0.2	4
50	Application of In-situ Lysimetric Studies for Determining Soil Hydraulic Conductivity. Geotechnical and Geological Engineering, 2009, 27, 595-606.	1.7	3
51	Soil-Radionuclide Interaction under Varied Experimental Conditions. Journal of Hazardous, Toxic, and Radioactive Waste, 2017, 21, .	2.0	2
52	Establishing Heat-Transfer Mechanisms in Dry Sands. International Journal of Geomechanics, 2018, 18, 06017024.	2.7	2
53	Application of Heat of Wetting for Determination of Soil-Specific Characteristics of Fine-Grained Soils. Journal of Testing and Evaluation, 2016, 44, 2231-2243.	0.7	2
54	Evaluating Growth of Zeolites on Fly Ash in Hydro-Thermally Heated Low Alkaline Solution. Journal of the Institution of Engineers (India): Series A, 2017, 98, 443-447.	1.2	0

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55	Quantification of Transitions Occurring in a Hydrothermally Activated Fly Ash. Materials Performance and Characterization, 2014, 3, 20130033.	0.3	0
56	Centrifuge Modeling of Contaminant Transport in Geomaterials. Environmental Science and Engineering, 2019, , 164-171.	0.2	0