

Roman D Hryciw

List of Publications by Year in descending order

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46
papers

1,035
citations

361388

20
h-index

434170

31
g-index

46
all docs

46
docs citations

46
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Large displacement FEM modelling of the cone penetration test (CPT) in normally consolidated sand. International Journal for Numerical and Analytical Methods in Geomechanics, 2003, 27, 585-602.	3.3	80
2	Roundness and Sphericity of Soil Particles in Assemblies by Computational Geometry. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	70
3	Particle Roundness and Sphericity from Images of Assemblies by Chart Estimates and Computer Methods. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	68
4	A Laboratory Study of Blast Densification of Saturated Sand. Journal of Geotechnical Engineering, 1986, 112, 187-199.	0.4	65
5	Index Void Ratios of Sands from Their Intrinsic Properties. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	57
6	Soil Particle Size Distribution by Mosaic Imaging and Watershed Analysis. Journal of Computing in Civil Engineering, 1999, 13, 80-87.	4.7	43
7	Segmentation of contacting soil particles in images by modified watershed analysis. Computers and Geotechnics, 2016, 73, 142-152.	4.7	43
8	Stressâ€‘Historyâ€‘Based Model for Ge of Cohesionless soils. Journal of Geotechnical Engineering, 1993, 119, 1073-1093.	0.4	39
9	A corner preserving algorithm for realistic DEM soil particle generation. Granular Matter, 2016, 18, 1.	2.2	35
10	An image based clump library for DEM simulations. Granular Matter, 2017, 19, 1.	2.2	34
11	Stiffness and strength changes in cohesionless soils due to disturbance. Canadian Geotechnical Journal, 1992, 29, 853-861.	2.8	33
12	Wavelet Analysis of Soil Mass Images for Particle Size Determination. Journal of Computing in Civil Engineering, 2004, 18, 19-27.	4.7	32
13	Vision Cone Penetrometer for Direct Subsurface Soil Observation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 1074-1076.	3.0	29
14	Smallâ€‘strainâ€‘Shear Modulus of Soil by Dilatometer. Journal of Geotechnical Engineering, 1990, 116, 1700-1716.	0.4	28
15	Translucent Segregation Table Test for Sand and Gravel Particle Size Distribution. Geotechnical Testing Journal, 2013, 36, 20120221.	1.0	28
16	Video tracking for experimental validation of discrete element simulations of large discontinuous deformations. Computers and Geotechnics, 1997, 21, 235-253.	4.7	26
17	Particulate material fabric characterization by rotational haar wavelet transform. Computers and Geotechnics, 2017, 88, 46-60.	4.7	25
18	Liquefaction and Flow Failure During Seismic Exploration. Journal of Geotechnical Engineering, 1990, 116, 1881-1899.	0.4	24

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19	Anchor Design for Slope Stabilization by Surface Loading. Journal of Geotechnical Engineering, 1991, 117, 1260-1274.	0.4	24
20	Size Distribution of Coarse-Grained Soil by Sedimaging. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	21
21	Identification and Characterization of Particle Shapes from Images of Sand Assemblies Using Pattern Recognition. Journal of Computing in Civil Engineering, 2018, 32, .	4.7	21
22	Compressibility of Sands of Various Geologic Origins at Pre-crushing Stress Levels. Geotechnical and Geological Engineering, 2017, 35, 2037-2051.	1.7	19
23	Development of Computer Vision Technique for in Situ Soil Characterization. Transportation Research Record, 1996, 1526, 86-97.	1.9	15
24	Ground Settlement in Simi Valley following the Northridge Earthquake. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1998, 124, 80-89.	3.0	15
25	Evaluation and Quality Control of Dry-Jet-Mixed Clay Soil-Cement Columns by Standard Penetration Test. Transportation Research Record, 2003, 1849, 47-52.	1.9	15
26	Soil Particle Size Characterization by Stereophotography. , 2014, , .		14
27	Theoretical Basis for Optical Granulometry by Wavelet Transformation. Journal of Computing in Civil Engineering, 2015, 29, .	4.7	13
28	Microdeformations in Sands by Digital Image Processing and Analysis. Transportation Research Record, 1996, 1548, 31-37.	1.9	12
29	Hydraulic Conductivity Measurement from On-the-Fly uCPT Sounding and from VisCPT. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1720-1729.	3.0	12
30	Sustainable Soil Particle Size Characterization Through Image Analysis. Geotechnical and Geological Engineering, 2013, 31, 1647-1652.	1.7	12
31	Three-Dimensional Translucent Segregation Table (3D-TST) test for soil particle size and shape distribution. , 2014, , 1037-1042.		12
32	Soil Stratigraphy Delineation by VisCPT. , 2000, , 65.		11
33	Stabilization of Coastal Slopes by Anchored Geosynthetic Systems. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 736-743.	3.0	10
34	Rayâ€špath Curvature in Shallow Seismic Investigations. Journal of Geotechnical Engineering, 1989, 115, 1268-1284.	0.4	7
35	Innovations in Optical Geocharacterization. , 2014, , .		7
36	Pullout Stiffness of Elastic Anchors in Slope Stabilization Systems. Journal of Geotechnical Engineering, 1992, 118, 902-919.	0.4	6

#	ARTICLE	IF	CITATIONS
37	Pore Pressure Response Following Undrained uCPT Sounding in a Dilating Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 1485-1495.	3.0	6
38	Soil Migration and Piping Susceptibility by the VisCPT. , 2013, , .		6
39	Rammed aggregate pier installation effect on soil properties. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2018, 171, 63-73.	1.0	5
40	Three-Point Imaging Test for AASHTO Soil Classification. Transportation Research Record, 2009, 2101, 27-33.	1.9	4
41	Discussion of "Postdensification Penetration Resistance of Clean Sands" by A. Sridharan, N. S. V. V. S. J. Gandhi, and S. Suresh (April, 1990, Vol. 116, No. 4). Journal of Geotechnical Engineering, 1992, 118, 508-511.	0.4	3
42	Optical Flow Analysis of Internal Erosion and Soil Piping in Images Captured by the VisCPT. , 2014, , .		2
43	Soil Fabric Characterization by Wavelet Transformation of Images. , 2014, , .		2
44	Closure to "Particle Roundness and Sphericity from Images of Assemblies by Chart Estimates and Computer Methods" by Roman D. Hryciw, Junxing Zheng, and Kristen Shetler. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, 07017025.	3.0	1
45	Flat Dilatometer (DMT), Cone Penetrometer (CPT) and Seismic Cone (SCPT) Evaluation of Select New Madrid Liquefaction Sites. Seismological Research Letters, 1992, 63, 357-366.	1.9	1
46	Letter to the Engineering Community. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 343-343.	3.0	0