

Roman D Hryciw

List of Publications by Year in descending order

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46
papers

1,035
citations

411340

20
h-index

488211

31
g-index

46
all docs

46
docs citations

46
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	Rammed aggregate pier installation effect on soil properties. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2018, 171, 63-73.	0.7	5
2	Identification and Characterization of Particle Shapes from Images of Sand Assemblies Using Pattern Recognition. Journal of Computing in Civil Engineering, 2018, 32, .	2.5	21
3	Compressibility of Sands of Various Geologic Origins at Pre-crushing Stress Levels. Geotechnical and Geological Engineering, 2017, 35, 2037-2051.	0.8	19
4	An image based clump library for DEM simulations. Granular Matter, 2017, 19, 1.	1.1	34
5	Particulate material fabric characterization by rotational haar wavelet transform. Computers and Geotechnics, 2017, 88, 46-60.	2.3	25
6	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.	1.5	1
7	Particle Roundness and Sphericity from Images of Assemblies by Chart Estimates and Computer Methods. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	1.5	68
8	Index Void Ratios of Sands from Their Intrinsic Properties. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	1.5	57
9	A corner preserving algorithm for realistic DEM soil particle generation. Granular Matter, 2016, 18, 1.	1.1	35
10	Roundness and Sphericity of Soil Particles in Assemblies by Computational Geometry. Journal of Computing in Civil Engineering, 2016, 30, .	2.5	70
11	Segmentation of contacting soil particles in images by modified watershed analysis. Computers and Geotechnics, 2016, 73, 142-152.	2.3	43
12	Theoretical Basis for Optical Granulometry by Wavelet Transformation. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	13
13	Optical Flow Analysis of Internal Erosion and Soil Piping in Images Captured by the VisCPT. , 2014, , .		2
14	Soil Fabric Characterization by Wavelet Transformation of Images. , 2014, , .		2
15	Soil Particle Size Characterization by Stereophotography. , 2014, , .		14
16	Size Distribution of Coarse-Grained Soil by Sedimaging. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	1.5	21
17	Innovations in Optical Geocharacterization. , 2014, , .		7
18	Three-Dimensional Translucent Segregation Table (3D-TST) test for soil particle size and shape distribution. , 2014, , 1037-1042.		12

#	ARTICLE	IF	CITATIONS
19	Sustainable Soil Particle Size Characterization Through Image Analysis. Geotechnical and Geological Engineering, 2013, 31, 1647-1652.	0.8	12
20	Soil Migration and Piping Susceptibility by the VisCPT. , 2013, , .		6
21	Translucent Segregation Table Test for Sand and Gravel Particle Size Distribution. Geotechnical Testing Journal, 2013, 36, 20120221.	0.5	28
22	Three-Point Imaging Test for AASHTO Soil Classification. Transportation Research Record, 2009, 2101, 27-33.	1.0	4
23	Hydraulic Conductivity Measurement from On-the-Fly uCPT Sounding and from VisCPT. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1720-1729.	1.5	12
24	Pore Pressure Response Following Undrained uCPT Sounding in a Dilating Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 1485-1495.	1.5	6
25	Letter to the Engineering Community. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 343-343.	1.5	0
26	Wavelet Analysis of Soil Mass Images for Particle Size Determination. Journal of Computing in Civil Engineering, 2004, 18, 19-27.	2.5	32
27	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.	1.7	80
28	Evaluation and Quality Control of Dry-Jet-Mixed Clay Soil-Cement Columns by Standard Penetration Test. Transportation Research Record, 2003, 1849, 47-52.	1.0	15
29	Soil Stratigraphy Delineation by VisCPT. , 2000, , 65.		11
30	Soil Particle Size Distribution by Mosaic Imaging and Watershed Analysis. Journal of Computing in Civil Engineering, 1999, 13, 80-87.	2.5	43
31	Ground Settlement in Simi Valley following the Northridge Earthquake. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1998, 124, 80-89.	1.5	15
32	Vision Cone Penetrometer for Direct Subsurface Soil Observation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 1074-1076.	1.5	29
33	Stabilization of Coastal Slopes by Anchored Geosynthetic Systems. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1997, 123, 736-743.	1.5	10
34	Video tracking for experimental validation of discrete element simulations of large discontinuous deformations. Computers and Geotechnics, 1997, 21, 235-253.	2.3	26
35	Microdeformations in Sands by Digital Image Processing and Analysis. Transportation Research Record, 1996, 1548, 31-37.	1.0	12
36	Development of Computer Vision Technique for in Situ Soil Characterization. Transportation Research Record, 1996, 1526, 86-97.	1.0	15

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37	Stressâ€Historyâ€Based Model for Ge of Cohesionless soils. Journal of Geotechnical Engineering, 1993, 119, 1073-1093.	0.4	39
38	Discussion of â€œ <i>Postdensification Penetration Resistance of Clean Sands</i> â€ 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
39	Pullout Stiffness of Elastic Anchors in Slope Stabilization Systems. Journal of Geotechnical Engineering, 1992, 118, 902-919.	0.4	6
40	Stiffness and strength changes in cohesionless soils due to disturbance. Canadian Geotechnical Journal, 1992, 29, 853-861.	1.4	33
41	Flat Dilatometer (DMT), Cone Penetrometer (CPT) and Seismic Cone (SCPT) Evaluation of Select New Madrid Liquefaction Sites. Seismological Research Letters, 1992, 63, 357-366.	0.8	1
42	Anchor Design for Slope Stabilization by Surface Loading. Journal of Geotechnical Engineering, 1991, 117, 1260-1274.	0.4	24
43	Liquefaction and Flow Failure During Seismic Exploration. Journal of Geotechnical Engineering, 1990, 116, 1881-1899.	0.4	24
44	Smallâ€Strainâ€Shear Modulus of Soil by Dilatometer. Journal of Geotechnical Engineering, 1990, 116, 1700-1716.	0.4	28
45	Rayâ€path Curvature in Shallow Seismic Investigations. Journal of Geotechnical Engineering, 1989, 115, 1268-1284.	0.4	7
46	A Laboratory Study of Blast Densification of Saturated Sand. Journal of Geotechnical Engineering, 1986, 112, 187-199.	0.4	65