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Wavelet Analysis of Soil Mass Images for Particle Size Determination

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#	Paper	IF	Citations
25	Automated grain size measurements from airborne remote sensing for long profile measurements of fluvial grain sizes. <i>Water Resources Research</i> , 2005 , 41,	5.4	81
24	Improved Image Analysis for Evaluating Concrete Damage. <i>Journal of Computing in Civil Engineering</i> , 2006 , 20, 210-216	5	148
23	A RUST EVALUATION METHOD FOR WEATHERING STEELS BASED ON IMAGE PROCESSING AND PATTERN RECOGNITION. <i>Doboku Gakkai Ronbunshuu F</i> , 2006 , 62, 674-683		1
22	Innovative process to characterize buried utilities using Ground Penetrating Radar. <i>Automation in Construction</i> , 2007 , 16, 546-555	9.6	29
21	Aggregate size measurement by machine vision. <i>Journal of Terramechanics</i> , 2008 , 45, 137-145	2.2	6
20	Accounting for Void Ratio Variation in Determination of Grain Size Distribution by Soil Column Image Processing. 2008 ,		2
19	Shape-Based Retrieval of Construction Site Photographs. <i>Journal of Computing in Civil Engineering</i> , 2008 , 22, 14-20	5	45
18	Hydraulic Conductivity Measurement from On-the-Fly uCPT Sounding and from VisCPT. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008 , 134, 1720-1729	3.4	8
17	Three-Point Imaging Test for AASHTO Soil Classification. <i>Transportation Research Record</i> , 2009 , 2101, 27-33	1.7	2
16	Intralaminar and interlaminar fracture characterization in glued-laminated timber members using image analysis. <i>Engineering Fracture Mechanics</i> , 2012 , 82, 73-84	4.2	4
15	Imaging-Based Rating for Corrosion States of Weathering Steel Using Wavelet Transform and PSO-SVM Techniques. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 04014008	5	15
14	Soil Fabric Characterization by Wavelet Transformation of Images. 2014 ,		2
13	Size Distribution of Coarse-Grained Soil by Sedimaging. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 04013053	3.4	12
12	Innovations in Optical Geocharacterization. 2014 ,		7
11	Theoretical Basis for Optical Granulometry by Wavelet Transformation. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014050	5	8
10	Particulate material fabric characterization by rotational haar wavelet transform. <i>Computers and Geotechnics</i> , 2017 , 88, 46-60	4.4	22
9	Exploring wavelet applications in civil engineering. <i>KSCE Journal of Civil Engineering</i> , 2017 , 21, 1076-1086.	6.9	13

8	An experimental investigation on cemented sand particles using different loading paths: Failure modes and fabric quantifications. <i>Construction and Building Materials</i> , 2020 , 258, 119487	6.7	2
7	Achievements and Challenges in Recognizing and Reconstructing Civil Infrastructure. <i>Lecture Notes in Computer Science</i> , 2012 , 151-176	0.9	5
6	Automated On-site Retrieval of Project Information. <i>Lecture Notes in Computer Science</i> , 2006 , 92-100	0.9	
5	Learning Method for In-Situ Soil Classification Based on Texture Characteristics. <i>Geotechnical Testing Journal</i> , 2009 , 32, 102155	1.3	
4	Particle Size Distribution of Kalamazoo River Sediments by FieldSed. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 05020012	3.4	1
3	Computer Vision Technology for Characterizing Particle Size and Shape of Aggregate Materials: A Review. 2021 ,		
2	Microstructure Characterization of High Explosives by Wavelet Transform. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-16	1.1	
1	The Sed360 Test for Rapid Sand Particle Size Distribution Determination. 2023 , 46, 20220032		0