

# CITATION REPORT

List of articles citing

## Application of Fourier Analysis to Digital Imaging for Particle Shape Analysis

DOI: 10.1061/(asce)0887-3801(2004)18:1(2)  
Journal of Computing in Civil Engineering, 2004, 18, 2-9.

**Source:** <https://exaly.com/paper-pdf/36536513/citation-report.pdf>

**Version:** 2024-04-17

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
44	Pine and spruce roundwood species classification using multivariate image analysis on bark. <i>Holzforschung</i> , <b>2005</b> , 59, 689-695	2	9
43	A transferable method for the automated grain sizing of river gravels. <i>Water Resources Research</i> , <b>2005</b> , 41,	5.4	102
42	Automated grain size measurements from airborne remote sensing for long profile measurements of fluvial grain sizes. <i>Water Resources Research</i> , <b>2005</b> , 41,	5.4	81
41	Identification of high-injury-risk glass contaminants using simple shape measures of fragment outlines. <i>Biosystems Engineering</i> , <b>2008</b> , 101, 145-151	4.8	1
40	A method of estimating the form of coarse particulates. <i>Geotechnique</i> , <b>2009</b> , 59, 493-501	3.4	66
39	Characterization of the packing of aggregate in concrete by a discrete element approach. <i>Materials Characterization</i> , <b>2009</b> , 60, 1082-1087	3.9	35
38	Ranking of risk of injury from glass contaminants using Fourier shape measures of fragment outlines. <i>Biosystems Engineering</i> , <b>2009</b> , 102, 265-273	4.8	
37	Portable Image Analysis System for Characterizing Aggregate Morphology. <i>Transportation Research Record</i> , <b>2009</b> , 2104, 3-11	1.7	14
36	Assessing the Polishing Characteristics of Coarse Aggregates Using Micro-Deval and Imaging System. <b>2010</b> ,		3
35	Entropy-Based Approach to Analyze and Classify Mineral Aggregates. <i>Journal of Computing in Civil Engineering</i> , <b>2011</b> , 25, 75-84	5	5
34	Aggregate shape characterization in frequency domain. <i>Construction and Building Materials</i> , <b>2012</b> , 34, 554-560	6.7	12
33	Innovations in Optical Geocharacterization. <b>2014</b> ,		7
32	Traditional soil particle sphericity, roundness and surface roughness by computational geometry. <i>Geotechnique</i> , <b>2015</b> , 65, 494-506	3.4	183
31	Review on heterogeneous model reconstruction of stone-based composites in numerical simulation. <i>Construction and Building Materials</i> , <b>2016</b> , 117, 229-243	6.7	52
30	Roundness and Sphericity of Soil Particles in Assemblies by Computational Geometry. <i>Journal of Computing in Civil Engineering</i> , <b>2016</b> , 30, 04016021	5	51
29	Morphological characterization and mechanical analysis for coarse aggregate skeleton of asphalt mixture based on discrete-element modeling. <i>Construction and Building Materials</i> , <b>2017</b> , 154, 1048-1061	6.7	48
28	Aggregate Morphology and Internal Structure for Asphalt Concrete: Prestep of Computer-Generated Microstructural Models. <i>International Journal of Geomechanics</i> , <b>2018</b> , 18, 06018024	2.1	11

27	AN IMAGE-BASED METHOD TO DETERMINE THE PARTICLE SIZE DISTRIBUTION (PSD) OF FINE-GRAINED SOIL. <i>Rudarsko Geolosko Naftni Zbornik</i> , <b>2019</b> , 34, 81-88	1.1	
26	Rock joint coefficients and their computerized classification. <i>International Journal of Mining Science and Technology</i> , <b>2019</b> , 29, 701-709	7.1	3
25	Shape characterisation of aggregates in three dimension. <i>European Journal of Environmental and Civil Engineering</i> , <b>2019</b> , 1-15	1.5	4
24	Minimum image quality for reliable optical characterizations of soil particle shapes. <i>Computers and Geotechnics</i> , <b>2019</b> , 114, 103110	4.4	13
23	Evaluation methods and indexes of morphological characteristics of coarse aggregates for road materials: A comprehensive review. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , <b>2019</b> , 6, 256-272	3.9	12
22	Image analysis for morphology, rheology and degradation study of railway ballast: A review. <i>Transportation Geotechnics</i> , <b>2019</b> , 18, 173-211	4	32
21	Correlation of Aggregate Form Properties with Fourier Frequencies. <i>Transportation Research Record</i> , <b>2020</b> , 2674, 405-419	1.7	3
20	Shape Characterization of Fragmented Sand Grains via X-Ray Computed Tomography Imaging. <i>International Journal of Geomechanics</i> , <b>2020</b> , 20, 04020003	3.1	6
19	Characterization of Aggregate Angularity in the Frequency Domain. <i>Transportation Research Record</i> , <b>2020</b> , 2674, 324-334	1.7	1
18	Adaptive Three-Dimensional Aggregate Shape Fitting and Mesh Optimization for Finite-Element Modeling. <i>Journal of Computing in Civil Engineering</i> , <b>2020</b> , 34, 04020020	5	4
17	Region-based adaptive asphalt mixture microstructural modeling for efficient numerical simulation. <i>Construction and Building Materials</i> , <b>2020</b> , 257, 119431	6.7	2
16	Study of the linear and nonlinear packing model based on mixing of quartz sand. <i>Powder Technology</i> , <b>2020</b> , 366, 382-394	5.2	3
15	Study on meso-mechanical behavior of sand based on its 2D geometrical model. <i>Science China Technological Sciences</i> , <b>2020</b> , 63, 777-790	3.5	2
14	Three-dimensional Wadell roundness for particle angularity characterization of granular soils. <i>Acta Geotechnica</i> , <b>2021</b> , 16, 133-149	4.9	23
13	The potential use of crushed waste glass as a sustainable alternative to natural and manufactured sand in geotechnical applications. <i>Journal of Cleaner Production</i> , <b>2021</b> , 284, 124762	10.3	7
12	Morphological simplification of asphaltic mixture components for micromechanical simulation using finite element method. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2021</b> , 36, 1435	8.4	4
11	A combination of density-based clustering method and DEM to numerically investigate the breakage of bonded pharmaceutical granules in the ball milling process. <i>Particuology</i> , <b>2021</b> , 58, 153-168	2.8	0
10	How Can We Truly Study ^ ^quot;Powder^ ^quot; or ^ ^quot;Particle^ ^quot;? - How Can the Observational Method Contribute to Clarifying the Characteristic Kinematics of ^ ^quot;Powder^ ^quot;? - <i>Journal of the Society of Powder Technology, Japan</i> , <b>2013</b> , 50, 272-276	0.3	

- 9 Laboratory-on-a-smartphone for estimating angularity of granular soils. *Acta Geotechnica*, 1 4.9 ○
- 8 Surface Micro-morphology and Adsorption Properties of Sediment Particles. **2020**, 1-79 ○
- 7 A systematic framework for DEM study of realistic gravel-sand mixture from particle recognition to macro- and micro-mechanical analysis. *Transportation Geotechnics*, **2021**, 100693 4 ○
- 6 A shape parameter for soil particles using a computational method. *Arabian Journal of Geosciences*, **2022**, 15, 1 1.8 ○
- 5 Rock-Filled Concrete with Manufactured Sand. **2023**, 351-398 ○
- 4 Formation and evolution mechanisms of micropores in powder metallurgy Ti alloys. **2022**, 223, 111202 ○
- 3 2D ballast particle contour generation based on the random midpoint displacement algorithm. ○
- 2 Shape characteristics of granular materials through realistic particle avatars. **2023**, 157, 105352 ○
- 1 Particle breakage in construction materials: A geotechnical perspective. **2023**, 381, 131308 ○