

# CITATION REPORT

List of articles citing

## Adaptive Cross Correlation for Imaging Displacements in Soils

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| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 75 | Closure to Accuracy of Digital Image Correlation for Measuring Deformation in Transparent Media by Samer Sadek, Magued G. Iskander, and Jinyuan Liu. <i>Journal of Computing in Civil Engineering</i> , <b>2005</b> , 19, 219-222 | 5   | 5         |
| 74 | Analysis of Factors Affecting Strain Distribution in Geosynthetics. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2006</b> , 132, 1-11  | 3.4 | 10        |
| 73 | Permanent Strain Characterization in Granular Materials Using Repeated Load Triaxial Tests and Digital Image Correlation (DIC) Technique. <b>2008</b> ,   |     | 3         |
| 72 | Image Correlation for Shape, Motion and Deformation Measurements. <b>2009</b> ,   |     | 313       |
| 71 | Electrorheological flow patterns analysis. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 149, 012024   | 0.3 |           |
| 70 | Modelling capacity of transparent soil. <i>Canadian Geotechnical Journal</i> , <b>2010</b> , 47, 451-460  | 3.2 | 69        |
| 69 | Equivalence of digital image correlation criteria for pattern matching. <i>Applied Optics</i> , <b>2010</b> , 49, 5501-9  | 0.2 | 247       |
| 68 | Transparent Soil Model Tests and FE Analyses on Tunneling Induced Ground Settlement. <b>2011</b> ,  |     | 3         |
| 67 | Analysis of Tunneling-Induced Ground Movements Using Transparent Soil Models. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2011</b> , 137, 525-535   | 3.4 | 76        |
| 66 | Stereo particle image velocimetry measurement of 3D soil deformation around laterally loaded pile in sand. <i>Journal of Central South University</i> , <b>2013</b> , 20, 791-798   | 2.1 | 11        |
| 65 | Fracture of sandstone characterized by digital image correlation. <i>International Journal of Rock Mechanics and Minings Sciences</i> , <b>2013</b> , 60, 235-245   | 6   | 123       |
| 64 | Opening and mixed mode fracture processes in a quasi-brittle material via digital imaging. <i>Engineering Fracture Mechanics</i> , <b>2014</b> , 131, 176-193   | 4.2 | 67        |
| 63 | Multi-Modal Monitoring of Slip Along Frictional Discontinuities. <i>Rock Mechanics and Rock Engineering</i> , <b>2014</b> , 47, 1575-1587   | 5.7 | 21        |
| 62 | Innovations in Optical Geocharacterization. <b>2014</b> ,   |     | 7         |
| 61 | Modelling of projectile penetration using transparent soils. <i>International Journal of Physical Modelling in Geotechnics</i> , <b>2014</b> , 14, 68-79  | 1   | 30        |
| 60 | A Study of Plane Strain Pile Jacking and Driving in Granular Media. <b>2015</b> ,   |     | 1         |
| 59 | Effect of Sand Relative Density on Response of a Laterally Loaded Pile and Sand Deformation. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-6  | 2.3 | 2         |

|    |  |     |    |
|----|--|-----|----|
| 58 | In Situ Characterization of Projectile Penetration into Sand. <b>2015</b> , 187-227  |     | 3  |
| 57 | Physical modelling of pipe piles under oblique pullout loads using transparent soil and particle image velocimetry. <i>Journal of Central South University</i> , <b>2015</b> , 22, 4329-4336   | 2.1 | 14 |
| 56 | Image-Based Lagrangian Analysis of Granular Kinematics. <i>Journal of Computing in Civil Engineering</i> , <b>2015</b> , 29, 04014101  | 5   | 20 |
| 55 | Observations of projectile penetration into a transparent soil. <i>Mechanics Research Communications</i> , <b>2015</b> , 70, 4-11  | 2.2 | 18 |
| 54 | Design and Performance of a Laboratory Pneumatic Gun for Soil Ballistic Applications. <i>Experimental Techniques</i> , <b>2016</b> , 40, 541-553   | 1.4 | 9  |
| 53 | Behaviours of geosynthetic-reinforced asphalt pavements investigated by laboratory physical model tests on a pavement structure. <i>Transportation Geotechnics</i> , <b>2016</b> , 8, 103-118  | 4   | 10 |
| 52 | Soil-projectile interactions during low velocity penetration. <i>International Journal of Impact Engineering</i> , <b>2016</b> , 93, 211-221   | 4   | 22 |
| 51 | Modelling a Highway Embankment on Peat Foundations Using Transparent Soil. <i>Procedia Engineering</i> , <b>2016</b> , 143, 363-370  |     | 4  |
| 50 | In-flight Excavation of a Loess Slope in a Centrifuge Model Test. <i>Geotechnical and Geological Engineering</i> , <b>2016</b> , 34, 1577-1591   | 1.5 | 9  |
| 49 | Utilisation of transparent synthetic soil surrogates in geotechnical physical models: A review. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , <b>2016</b> , 8, 568-576   | 5.3 | 8  |
| 48 | A hydraulic gradient similitude testing system for studying the responses of a laterally loaded pile and soil deformation. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1   | 2.9 | 8  |
| 47 | Experimental and analytical study of X-section cast-in-place concrete pile installation effect. <i>International Journal of Physical Modelling in Geotechnics</i> , <b>2017</b> , 17, 103-121  | 1   | 18 |
| 46 | Soil Deformations During Casing Jacking and Extraction of Expanded-Shoe Piles, Using Model Tests. <i>Geotechnical and Geological Engineering</i> , <b>2017</b> , 35, 809-826   | 1.5 | 10 |
| 45 | Investigation of Deflection of a Laterally Loaded Pile and Soil Deformation Using the PIV Technique. <i>International Journal of Geomechanics</i> , <b>2017</b> , 17, 04016138   | 3.1 | 39 |
| 44 | Guidelines for DIC in geotechnical engineering research. <i>International Journal of Physical Modelling in Geotechnics</i> , <b>2017</b> , 17, 3-22  | 1   | 9  |
| 43 | An Adaptive Offset Tracking Method with SAR Images for Landslide Displacement Monitoring. <i>Remote Sensing</i> , <b>2017</b> , 9, 830   | 5   | 26 |
| 42 | Local and Global Granular Mechanical Characteristics of Grain-Structure Interactions. <b>2018</b> , 48, 753-767  |     | 7  |
| 41 | Digital volumetric speckle photography: a powerful experimental technique capable of quantifying interior deformation fields of composite materials. <i>Multiscale and Multidisciplinary Modeling, Experiments and Design</i> , <b>2018</b> , 1, 181-195 | 1.4 | 3  |

|    |   |     |    |
|----|---|-----|----|
| 40 | Laboratory-scale model studies on corduroy-reinforced road embankments on peat foundations using transparent soil. <i>Transportation Geotechnics</i> , <b>2018</b> , 16, 1-10                         | 4   | 6  |
| 39 | Interaction of a rigid beam resting on a strong granular layer overlying weak granular soil: Multi-methodological investigations. <i>Journal of Terramechanics</i> , <b>2018</b> , 79, 23-32          | 2.2 | 6  |
| 38 | Visualization of Torpedo Pile Penetration and Pullout in Transparent Synthetic Soil Representative of Soft Marine Clays. <b>2019</b> ,  |     | 0  |
| 37 | Proceedings of International Conference on Aerospace System Science and Engineering 2018. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> ,  | 0.2 |    |
| 36 | Full 3D Displacement Measuring System for 3D Displacement Field of Soil around a Laterally Loaded Pile in Transparent Soil. <i>International Journal of Geomechanics</i> , <b>2019</b> , 19, 04019028 | 3.1 | 85 |
| 35 | Quantification of the strain field of sands based on X-ray micro-tomography: A comparison between a grid-based method and a mesh-based method. <i>Powder Technology</i> , <b>2019</b> , 344, 314-334  | 5.2 | 19 |
| 34 | Visualizing the effect of Fin length on torpedo anchor penetration and pullout using a transparent soil. <i>Ocean Engineering</i> , <b>2020</b> , 216, 108021   | 3.9 | 6  |
| 33 | An experimental investigation on the tensile stiffness in layered rock interface using the digital image correlation technique. <i>Strength, Fracture and Complexity</i> , <b>2020</b> , 13, 65-79    | 0.7 | 1  |
| 32 | High-precision speckle-tracking X-ray imaging with adaptive subset size choices. <i>Scientific Reports</i> , <b>2020</b> , 10, 14238  | 4.9 | 1  |
| 31 | Model Tests of Jacked-Pile Penetration into Sand Using Transparent Soil and Incremental Particle Image Velocimetry. <i>KSCE Journal of Civil Engineering</i> , <b>2020</b> , 24, 1128-1145            | 1.9 | 10 |
| 30 | Soil-projectile interaction during penetration of a transparent clay simulant. <i>Acta Geotechnica</i> , <b>2020</b> , 15, 815-826  | 4.9 | 6  |
| 29 | Frequency- and intensity-dependent impedance functions of laterally loaded single piles in cohesionless soil. <i>Soils and Foundations</i> , <b>2021</b> , 61, 129-143                                | 2.9 | 2  |
| 28 | Soil-Structure Interaction of Underreamed Piles. <b>2021</b> ,  |     |    |
| 27 | Learning Foundation Engineering from Nature. <b>2021</b> ,  |     |    |
| 26 | Effect of Face Losses and Cover-to-Diameter Ratio on Tunneling Induced Settlements in Soft Clay, Using Transparent Soil Models. <i>Geotechnical and Geological Engineering</i> , 1                    | 1.5 | 4  |
| 25 | Visualizing the effect of excavation rate on rock deformation and fracturing of tunnels using a transparent soft rock surrogate. <i>Acta Geotechnica</i> , 1  | 4.9 | 0  |
| 24 | Design and Performance of a Laboratory Pneumatic Gun for Soil Ballistic Applications. <b>2016</b> , 40, 541   |     | 6  |
| 23 | Detection and Quantification of Slip Along Non-Uniform Frictional Discontinuities Using Digital Image Correlation. <i>Geotechnical Testing Journal</i> , <b>2014</b> , 37, 20130141                   | 1.3 | 18 |

|    |  |     |    |
|----|--|-----|----|
| 22 | A Transparent Pullout Testing Device for 3D Evaluation of Soil-Geogrid Interaction. <i>Geotechnical Testing Journal</i> , <b>2015</b> , 38, 20140198   | 1.3 | 24 |
| 21 | Visualization of Chemical Grout Permeation in Transparent Soil. <i>Geotechnical Testing Journal</i> , <b>2015</b> , 38, 20140202   | 1.3 | 9  |
| 20 | Visualizing Kinematics of Dynamic Penetration in Granular Media Using Transparent Soils. <i>Geotechnical Testing Journal</i> , <b>2015</b> , 38, 20140206  | 1.3 | 20 |
| 19 | Past, Present, and Future of Transparent Soils. <i>Geotechnical Testing Journal</i> , <b>2015</b> , 38, 20150079   | 1.3 | 57 |
| 18 | Observations of Multi-Scale Granular Kinematics Around Driven Piles in Plane Strain Condition. <i>Geotechnical Testing Journal</i> , <b>2016</b> , 39, 20150199  | 1.3 | 4  |
| 17 | Development and Application of a Test System for Modeling Tunnel Excavation with Transparent Rock Surrogate. <i>Geotechnical Testing Journal</i> , <b>2019</b> , 42, 20170119                                | 1.3 | 3  |
| 16 | The Loading Test on the Single Pile with Pile Cap in Transparent Soil Model. <i>Geotechnical Testing Journal</i> , <b>2019</b> , 42, 20170153  | 1.3 | 11 |
| 15 | Development of a Robust Stereo-PIV System for 3-D Soil Deformation Measurement. <i>Journal of Testing and Evaluation</i> , <b>2012</b> , 40, 103856  | 1   | 13 |
| 14 | Methods and Systems for High-temperature Strain Measurement of the Main Steam Pipe of a Boiler of a Power Plant While in Service. <i>Journal of the Optical Society of Korea</i> , <b>2016</b> , 20, 770-777 |     | 3  |
| 13 | Adaptive Rotated Gaussian Weighted Digital Image Correlation (RGW-DIC) for Heterogeneous Deformation Measurement. <i>Experimental Mechanics</i> , <b>2022</b> , 62, 271                                      | 2.6 | 0  |
| 12 | Determination of 3D Displacement Fields between X-ray Computed Tomography Images Using 3D Cross-Correlation. 52-58   |     |    |
| 11 | Bibliography. <b>2015</b> , 427-449  |     |    |
| 10 | Digital Image Correlation Method Based on SURF in Airship Envelope Measurement. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 105-120   | 0.2 |    |
| 9  | Mapping Interior Strain Fields in Thick Composites and Sandwich Plates With Digital Volumetric Speckle Photography Technique. <b>2020</b> , 625-648  |     |    |
| 8  | Spatio-Temporal Statistical Characterization of Boundary Kinematic Phenomena of Triaxial Sand Specimens. <i>Materials</i> , <b>2022</b> , 15,  | 3.5 | 1  |
| 7  | Properties of a shale bedding plane and its influence on the geometric parameters of fracture propagation in volume fracturing. <i>Engineering Fracture Mechanics</i> , <b>2022</b> , 266, 108413            | 4.2 | 0  |
| 6  | Experimental Study on Soil Deformation during Sampler Penetration. <i>KSCE Journal of Civil Engineering</i> , <b>2022</b> , 26, 1080-1088  | 1.9 |    |
| 5  | Assessment of Spatio-Temporal Kinematic Phenomena Observed along the Boundary of Triaxial Sand Specimens. <b>2022</b> , 12, 8091   |     | 1  |

- 4 A novel rotated sigmoid weight function for higher performance in heterogeneous deformation measurement with digital image correlation. **2022**, 159, 107214 1
- 3 Statistical Characterization of Boundary Kinematics Observed on a Series of Triaxial Sand Specimens. **2022**, 12, 11413 1
- 2 Application of Transparent Soil Modeling Technique to Investigate Pile Foundation. **2023**, 199-299 0
- 1 Longitudinal settlements during tunneling in soft Clay, using transparent soil models. **2023**, 136, 105042 0