



<https://opengeomechanics.centre-mersenne.org>

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Why Open Geomechanics

Open Geomechanics is a non-profit, volunteer-run, double blind peer-reviewed scientific journal. As a diamond open access journal, it is **free** to publish in and **free** to read. Open Geomechanics started in **2018**.

*We believe that the time is right to have a journal for geomechanics research, edited **by** geomechanics researchers **for** geomechanics researchers.*

This journal is keeping the control of publishing within the scientific community and **removing barriers** for publication and dissemination of knowledge in our community.

Papers are immediately released **online on the fly** meaning that there are no yearly/monthly issues. Papers are archived through the Centre Mersenne on the [CLOCKSS system](#).

Research topics

Open Geomechanics has the ambition to provide an open platform for the dissemination of scientific research in geomechanics in all forms.

This means that **research manuscripts** (in any geomechanics related topics such as analytical, numerical or experimental studies) or **case studies, negative results**, as well as **replicability** or **reproducibility studies** are welcome.

Manuscripts of most lengths are accepted, indicatively 5-20 pages are generally suggested.

People Involved (the current Editors – we meet once per month)

Edward Andò (EPFL, Lausanne, Switzerland) / Chloé Arson (Georgia Tech, Atlanta, USA)
Jelke Dijkstra (Chalmers, Gothenburg, Sweden) / David Frost (Georgia Tech, Atlanta, USA)
Eleni Gerolymatou (TU Clausthal, Germany) / Ivo Herle (TU Dresden, Germany)
Ryan Hurley (John Hopkins, Baltimore, USA) / Benjy Marks (University of Sydney, Australia)
David Muir Wood (University of Dundee, UK) / Cino Viggiani (UGA, Grenoble, France)

a few important facts

- Open Geomechanics is the first (the only) truly open access journal for geomechanics
 - diamond open access (free to submit/read)
 - copyright stays with author
 - quality over quantity
 - e-journal only
- double blind review
 - authors don't know their reviewers
 - reviewers don't know the authors
- review history published with the manuscript
- LaTeX typesetting

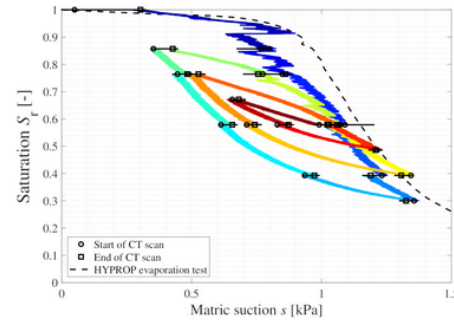
Credits and legal notices

- ALERT Geomaterials serves as a legal association to host Open Geomechanics since 2018
 - No expenses incurred to ALERT, authors, and readers
 - Substantial in-kind contribution towards organisation and editing the journal
 - Time-limited affiliation with ALERT until 2025
- Centre Mersenne provides support with the publication of Open Geomechanics
 - Content Management System and review back-end
 - Web-hosting
 - Some technical assistance using CMS

Publisher: ALERT Geomaterials – Alliance of Laboratories in Europe for Education, Research and Technology

Website design and development: Centre Mersenne-Mathdoc (UMS 5638, CNRS-UGA)

Hosting: GRICAD (UMS 3758, CNRS-UGA)



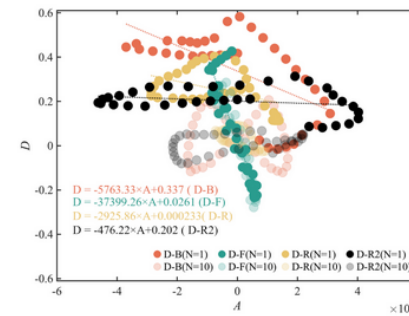
In situ X-ray CT imaging of transient water retention experiments with cyclic drainage and imbibition

Milatz, Marius; Andò, Edward; Viggiani, Gioacchino; Mora, Serge

The water retention curve (WRC) represents a key function in unsaturated soil mechanics as it...

Published: 2022-11-10

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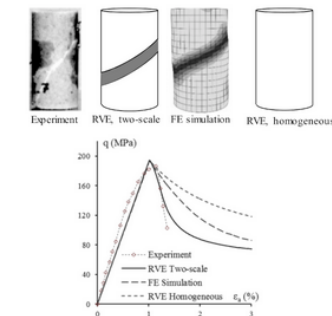
Response of granular material under combined principal stress value and orientation change in 3D space

He, Zhan; Xue, Long; Wang, Rui; Zhang, Jian-Min

Laboratory tests on soil adopt simplified stress paths compared to real world counterparts due to...

Published: 2022-08-25

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Enriching constitutive models with meso-scale behaviour: a thermodynamics-based formulation and examples

Nguyen, Giang Dinh; Mir, Arash; Bui, Ha Hong

A generic approach to encapsulating meso scale details and their associated dissipative...

Published: 2022-08-25

[PDF](#)

Published

25th August 2022

<https://doi.org/10.5802/ogeo.11>

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Reviewed by

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Lukas Knittel

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Review History for “Response of granular material under combined principal stress value and orientation change in 3D space”

Eleni Gerolymatou

2022

Summary

The paper was sent to two Reviewers: Dr. Konstantinos Karapiperis, ETH Zurich (Reviewer 1) and Dr. Lukas Knittel, Karlsruhe Institute of Technology (Reviewer 2). The two reviewers remained anonymous during the entire revision process. After the reviewing process was completed, the reviewers decided to disclose their identity.

In the first round of review, both reviewers and the Editor recommended that minor revisions be made to the manuscript before it could be published.

After minor revisions, Reviewers 1 and 2 recommended accepting the manuscript without any required modifications. The Editor decided to accept the manuscript without further modification.

Remarks concerning typos have been omitted for the sake of brevity.

Review Round 1

Published

25th August 2022

<https://doi.org/10.5802/ogeo.11>

Edited by

Eleni Gerolymatou

Reviewed by

Konstantinos Karapiperis

Lukas Knittel

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Description of the review history

Review History for “Frictional Plasticity in a Convex Analytical Setting”

G. T. Houlsby

2019

Summary

The paper was sent to two Reviewers: Prof. Denis Caillerie, Université Grenoble Alpes (Reviewer 1) and Prof. Francesco Solombrino, University of Naples “Federico II” (Reviewer 2). The two reviewers remained anonymous during the entire revision process. After the reviewing process was completed, both reviewers decided to disclose their identity.

In the first round of review, both reviewers recommended that some (major) revisions be made to the manuscript before it could be published.

After a substantial revision of the paper, Reviewer 2 accepted the revised manuscript without any modifications. Reviewer 1 still required some additional changes, which were made in the second revised version of the manuscript.

At the end of the second round of review, Reviewer 1 required some additional minor changes, which have been addressed in the third revised version of the paper.

At the end of the third round of review, the Editor decided that the last changes made had been satisfactory and accepted the paper without any further modification.

Papers published so far

Open Geomechanics is an online-only journal, as such accepted papers appear on the website as soon as they are accepted and finalized, and are not grouped into issues or volumes. Papers are grouped by year of publication for convenience.



Open Geomechanics

[Volume 3](#) (2022)

[Volume 2](#) (2020)

[Volume 1](#) (2019)

- 3 papers in 2019
- 5 papers in 2020
- 0 papers in 2021 (sic)
- 5 papers in 2022
- 7 papers are currently under review (yes!)

November 2022

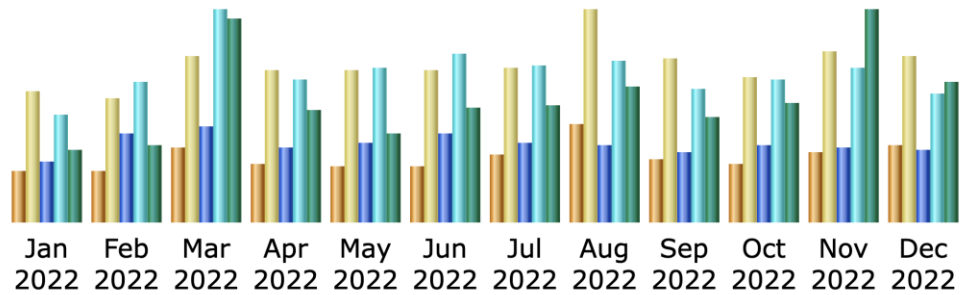
Dear Sirs,

*The above mentioned title has been suggested for **inclusion in Scopus**. We have to inform you that the title will not be considered for evaluation, for the following reason(s):*

Delay and/or irregularity in publishing schedule (according to the content on the title's website or the uploaded sample content.)"

they look less at the scientific value than at the continuity of publication ...

Some statistics (2022)



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2022	1,103	2,807	11,572	20,654	1.90 GB
Feb 2022	1,088	2,634	16,882	26,885	2.06 GB
Mar 2022	1,569	3,548	18,237	40,676	5.43 GB
Apr 2022	1,249	3,238	14,088	27,533	3.00 GB
May 2022	1,182	3,267	15,347	29,747	2.35 GB
Jun 2022	1,206	3,259	17,059	32,099	3.03 GB
Jul 2022	1,417	3,306	15,159	30,154	3.11 GB
Aug 2022	2,097	4,534	14,829	30,850	3.65 GB
Sep 2022	1,342	3,518	13,344	25,562	2.82 GB
Oct 2022	1,233	3,113	14,525	27,152	3.22 GB
Nov 2022	1,484	3,671	14,103	29,764	5.68 GB
Dec 2022	1,622	3,575	13,666	24,463	3.73 GB
Total	16,592	40,470	178,811	345,539	39.97 GB

- unique visitor: an individual (device)
- visits: number of times this device has connected and looked around
- pages: number of pages downloaded
- hits: number of links accessed
- bandwith: total data transferred

trends over time (unique visitors)

year	2019	2020	2021	2022
unique visitors	3,880	9,846	11,989	16,592

Impact Paper of the year

In January 2023, we have selected three colleagues (one in Bogotá, Colombia, one in Barcelona, Spain, and one in Cambridge, UK) as the members of a panel to review our 5 papers of 2022 in order to select an "Impact Paper" of the year.

For each paper we have asked for a paragraph about their appreciation of the paper and a 1-10 score on the following items:

- Significance (depth of problem, interest for further work/industry/education)
- Singularity (Novelty)
- Sharpness (Clarity)
- Scientific quality (intellectual merit)
- Style (aesthetics)

We'll get their feedback by the end of April 2023. At that point the Open Geomechanics board will make a final decision. We'll make a short video of the editor discussing with the authors of the paper that won where the names of the three colleagues will be clearly visible.