

Stanford

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Publications

PUBLICATIONS

- **Modeling heterogeneity and permeability evolution in a compaction band using a phase-field approach** *JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS*
Ip, S. Y., Borja, R. I.
2023; 181
- **Multiscale interactions of elastic anisotropy in unsaturated clayey rocks using a homogenization model** *ACTA GEOTECHNICA*
Ip, S. Y., Borja, R. I.
2023
- **A phase-field approach for compaction band formation due to grain crushing** *INTERNATIONAL JOURNAL FOR NUMERICAL AND ANALYTICAL METHODS IN GEOMECHANICS*
Ip, S. Y., Borja, R.
2022
- **Evolution of anisotropy with saturation and its implications for the elastoplastic responses of clay rocks** *INTERNATIONAL JOURNAL FOR NUMERICAL AND ANALYTICAL METHODS IN GEOMECHANICS*
Ip, S. Y., Borja, R. I.
2021
- **Impacts of saturation-dependent anisotropy on the shrinkage behavior of clay rocks** *ACTA GEOTECHNICA*
Ip, S. Y., Choo, J., Borja, R. I.
2021