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Teaching

COURSES

2024-25

- Fluids and Flow in the Earth: Computational Methods: GEOPHYS 181, GEOPHYS 203 (Win)

Publications

PUBLICATIONS

- **Deep learning forecasts the spatiotemporal evolution of fluid-induced microearthquakes** *COMMUNICATIONS EARTH & ENVIRONMENT*
Chung, J., Manga, M., Kneafsey, T., Mukerji, T., Hu, M.
2025; 6 (1)
- **Prediction of effective elastic moduli of rocks using Graph Neural Networks** *COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING*
Chung, J., Ahmad, R., Sun, W., Cai, W., Mukerji, T.
2024; 421
- **Hydrothermal formation of fibrous mineral structures: The role on strength and mode of failure** *FRONTIERS IN EARTH SCIENCE*
Vanorio, T., Chung, J., Siman-Tov, S., Nur, A.
2023; 10
- **Numerical Investigation of Radial Strain-Controlled Uniaxial Compression Test of aspo Diorite in Grain-Based Model** *ROCK MECHANICS AND ROCK ENGINEERING*
Chung, J., Lee, H., Kwon, S.
2019; 52 (10): 3659-3674