



Guido Di Federico

Ph.D. Student in Energy Resources Engineering, admitted Autumn 2022

Publications

PUBLICATIONS

- **Latent diffusion models for parameterization of facies-based geomodels and their use in data assimilation** *COMPUTERS & GEOSCIENCES*
Di Federico, G., Durlofsky, L. J.
2025; 194
- **Three-Dimensional Latent Diffusion Models for Parameterizing and History Matching Facies Systems Under Hierarchical Uncertainty** *MATHEMATICAL GEOSCIENCES*
Di Federico, G., Durlofsky, L. J.
2025