



Jimin Zhou

Ph.D. Student in Energy Resources Engineering, admitted Autumn 2021

Publications

PUBLICATIONS

- **Thermal diffusion of hydrogen-containing gas mixtures: applications to underground hydrogen storage** *SUSTAINABLE ENERGY & FUELS*
Zhou, J. D., Jessen, K., Kavscek, A. R.
2025
- **The role of gravity and temperature on hydrogen-containing mixtures in the subsurface** *JOURNAL OF ENERGY STORAGE*
Zhou, J. D., Jessen, K., Kavscek, A. R.
2024; 85
- **Intercomparison of numerical simulation models for hydrogen storage in porous media using different codes** *ENERGY CONVERSION AND MANAGEMENT*
Okoroafor, E., Sampaio, L., Gasanzade, F., Claro, Y., Zhou, J. D., Saltzer, S. D., Bauer, S., Kavscek, A. R.
2023; 292
- **CO₂ Injection and Enhanced Oil Recovery in Ohio Oil Reservoirs-An Experimental Approach to Process Understanding** *ENERGIES*
Valluri, M., Zhou, J., Mishra, S., Mohanty, K.
2020; 13 (23)