

Stanford



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Publications

PUBLICATIONS

- **Incorporating bubble evolution and transport in constitutive relationships for quasi- and non-equilibrium two-phase flows in porous media** *FRONTIERS IN WATER*
Meisenheimer, D. E., Wildenschild, D.
2023; 5
- **3D zoning of barium in alkali feldspar** *AMERICAN MINERALOGIST*
Lubbers, J., Kent, A., Meisenheimer, D., Wildenschild, D.
2023; 108 (2): 297-311
- **Contact angle hysteresis: A new paradigm?** *ADVANCES IN WATER RESOURCES*
Behnoudfar, D., Dragila, M., Meisenheimer, D., Wildenschild, D.
2022; 161
- **Predicting the Effect of Relaxation on Interfacial Area Development in Multiphase Flow** *WATER RESOURCES RESEARCH*
Meisenheimer, D. E., Wildenschild, D.
2021; 57 (3)
- **Characterization of wetting using topological principles** *JOURNAL OF COLLOID AND INTERFACE SCIENCE*
Sun, C., McClure, J. E., Mostaghimi, P., Herring, A. L., Meisenheimer, D. E., Wildenschild, D., Berg, S., Armstrong, R. T.
2020; 578: 106-115
- **Exploring the effect of flow condition on the constitutive relationships for two-phase flow** *ADVANCES IN WATER RESOURCES*
Meisenheimer, D. E., McClure, J. E., Rivers, M. L., Wildenschild, D.
2020; 137
- **Reduction of 1,2,3-trichloropropane (TCP): pathways and mechanisms from computational chemistry calculations** *ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS*
Torralba-Sanchez, T. L., Bylaska, E. J., Salter-Blanc, A. J., Meisenheimer, D. E., Lyon, M. A., Tratnyek, P. G.
2020; 22 (3): 606-616
- **Optimizing pink-beam fast X-ray microtomography for multiphase flow in 3D porous media** *JOURNAL OF MICROSCOPY*
Meisenheimer, D. E., Rivers, M. L., Wildenschild, D.
2020; 277 (2): 100-106
- **Sandy Soil Microaggregates: Rethinking Our Understanding of Hydraulic Function** *VADOSE ZONE JOURNAL*
Paradis, A., Brueck, C., Meisenheimer, D., Wanzek, T., Dragila, M.
2017; 16 (9)