

Publications

Book

- **Dejam, M.:** Well Logging: Petrophysical Evaluation of Hydrocarbon Reservoirs Using Well Logging Data and Tools Operation, Tehran: **Iranian Offshore Oil Company**, 2008. ISBN: [978-964-04-2264-9](#)

Journal Articles

- **Dejam, M.** and Hassanzadeh, H. (2022), Dispersion tensor in stratified porous media. **Physical Review E**, 105(6): 065115. DOI: [10.1103/PhysRevE.105.065115](#)
- **Dejam, M.** and Hassanzadeh, H. (2022), Advection and dispersion induced by an interface between two immiscible fluids in a laminar flow. **American Institute of Chemical Engineers Journal**, (): e17928. DOI: [10.1002/aic.17928](#)
- Dordzie, G. and **Dejam, M.** (2022), Experimental study on alternating injection of silica and zirconia nanoparticles with low salinity water and surfactant into fractured carbonate reservoirs for enhanced oil recovery. **Industrial & Engineering Chemistry Research**, 61(43): 16328-16340. DOI: [10.1021/acs.iecr.2c02741](#)
- Brown, N. M. and **Dejam, M.** (2022), An extensive scope of flow loops with a focus on particle transport. **Physics of Fluids**, 34(8): 081301. DOI: [10.1063/5.0099309](#)
- Mirchi, V., **Dejam, M.** and Alvarado, V. (2022), Interfacial tension and contact angle measurements for hydrogen-methane mixtures/brine/oil-wet rocks at reservoir conditions. **International Journal of Hydrogen Energy**, 47(82): 34963-34975. DOI: [10.1016/j.ijhydene.2022.08.056](#)
- Das, A. K., **Dejam, M.** and Hassanzadeh, H. (2022), New line-source solution and scaling relations for diffusive leakage of brine from an infinite aquifer-caprock composite domain during geological storage of CO₂. **International Journal of Greenhouse Gas Control**, 118: 103664. DOI: [10.1016/j.ijggc.2022.103664](#)
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- Wei, M., Long, T., Duan, X., **Dejam, M.** and Sun, Y. (2022), Temperature response characteristics of the production profile for multilayered gas wells based on distributed temperature sensing monitoring. **Journal of Energy Resources Technology**, 144(12): 123002. DOI: [10.1115/1.4054422](#)
- **Dejam, M.** and Hassanzadeh, H. (2021), The role of a porous wall on the solute dispersion in a concentric annulus. **Physics of Fluids**, 33(11): 116602. DOI: [10.1063/5.0070653](#)
- **Dejam, M.** and Hassanzadeh, H. (2021), Dispersion tensor in a two-phase flow in a slit. **Physics of Fluids**, 33(10): 103612. DOI: [10.1063/5.0068043](#)
- Olayiwola, S. O. and **Dejam, M.** (2021), Nanoparticles aid oil recovery during alternating injection. **Journal of Petroleum Technology**, 73(9): 62-63. DOI: [10.2118/0921-0062-JPT](#)

- Dordzie, G. and **Dejam, M.** (2021), Enhanced oil recovery from fractured carbonate reservoirs using nanoparticles with low salinity water and surfactant: A review on experimental and simulation studies. *Advances in Colloid and Interface Science*, 293: 102449. DOI: [10.1016/j.cis.2021.102449](https://doi.org/10.1016/j.cis.2021.102449)
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