

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

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- 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](#)
- Yang, H., **Dejam, M.**, Tan, S. P. and Adidharma, H. (2022), First-order and gradual phase transitions of ethane confined in MCM-41. *Physical Chemistry Chemical Physics*, 24(30): 18161-18168. DOI: [10.1039/D2CP02530B](#)
- Yang, H., Jayaatmaja, K., **Dejam, M.**, Tan, S. P. and Adidharma, H. (2022), Phase transition and criticality of methane confined in nanopores. *Langmuir*, 38(6): 2046-2054. DOI: [10.1021/acs.langmuir.1c02955](#)
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- 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](#)
- Nguyen, M. C., **Dejam, M.**, Fazelalavi, M., Zhang, Y., Gay, G. W., Bowen, D. W., Spangler, L. H., Zaluski, W. and Stauffer, P. H. (2021), Skin factor and potential formation damage from chemical and mechanical processes in a naturally fractured carbonate aquifer with implications to CO₂ sequestration. *International Journal of Greenhouse Gas Control*, 108: 103326. DOI: [10.1016/j.ijggc.2021.103326](#)
- Kamyab, M., Simjoo, M., **Dejam, M.** and Alamatsaz, A. (2021), Numerical study of immiscible foam propagation in porous media in the presence of oil using an implicit-texture foam model. *Energy & Fuels*, 35(8): 6553-6565. DOI: [10.1021/acs.energyfuels.0c04076](#)

- Qiu, X., Yang, H., **Dejam, M.**, Tan, S. P. and Adidharma, H. (2021), Experiments on the capillary condensation/evaporation hysteresis of pure fluids and binary mixtures in cylindrical nanopores. *The Journal of Physical Chemistry C*, 125(10): 5802-5815. DOI: [10.1021/acs.jpcc.0c10840](https://doi.org/10.1021/acs.jpcc.0c10840)
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- Asadi, M. B., **Dejam, M.** and Zendehboudi, S. (2020), Semi-analytical solution for productivity evaluation of a multi-fractured horizontal well in a bounded dual-porosity reservoir. *Journal of Hydrology*, 581: 124288. DOI: [10.1016/j.jhydrol.2019.124288](https://doi.org/10.1016/j.jhydrol.2019.124288)
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Conference Papers

- Olayiwola, S. O. and **Dejam, M.**: Effect of Silica Nanoparticles on the Oil Recovery during Alternating Injection with Low Salinity Water and Surfactant into Carbonate Reservoirs, Paper SPE 201586, *SPE Annual Technical Conference and Exhibition*, Virtual, 26-29 October 2020. DOI: [10.2118/201586-MS](https://doi.org/10.2118/201586-MS)
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