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PUBLICATIONS

h-index: 31 (Google Scholar)

i10-index: 83 (Google Scholar)

h-index: 23 (Web of Science)

* indicates graduate student advisee

+ indicates post-doc advisee or supervised staff

° indicates undergrad advisee

³ indicated graduate student co-advisee

Papers in Refereed Journals

1. *Gao, B., **Flemings, P.B.**, 2017, Pore pressure within dipping reservoirs in overpressured basins, *Marine and Petroleum Geology*, 80, 94-111, doi:<http://dx.doi.org/10.1016/j.marpetgeo.2016.11.014>.
2. +Nikolinakou, M.A., +Heidari, M., Hudec, M.R., **Flemings, P.B.**, 2016, Initiation and growth of salt diapirs in tectonically stable settings: upbuilding and megaflaps, *American Association of Petroleum Geologists Bulletin*, doi:10.1306/09021615245.
3. Casey, B., Germaine, J.T., **Flemings, P.B.**, Fahy, B.P., 2016, In situ stress state and strength in mudrocks, *Journal of Geophysical Research: Solid Earth*, 121, doi:10.1002/2016JB012855.
4. +Heidari, M., +Nikolinakou, M. A., Hudec, M. R., **Flemings, P. B.**, 2016, Geomechanical analysis of a welding salt layer and its effects on adjacent sediments, *Tectonophysics*, v. 683, p. 172-181, doi:10.1016/j.tecto.2016.06.027.
5. Adams, A.L., Nordquist, T.J., Germaine, J.T., and **Flemings, P.B.**, 2016, Permeability Anisotropy and Resistivity Anisotropy of Mechanically Compressed Mudrocks, *Canadian Geotechnical Journal*, doi:10.1139/cgj-2015-0596.
6. *Cronin, M., **Flemings, P.B.**, +Bhandari, A., 2016, Dual-permeability microstratigraphy in the Barnett Shale, *Journal of Petroleum Science and Engineering*, Vol. 142, pp. 119-128, doi:10.1016/j.petrol.2016.02.003.
7. +You, K., DiCarlo, D., **Flemings, P.B.**, 2016, Impact of gravity on hydrate saturation in gas-rich environments, *Water Resour. Res.*, Vol. 52, pp. 1265-1285, doi:10.1002/2015WR017975.
8. +Heidari, M., +Nikolinakou, M.A., **Flemings, P.B.**, Hudec, M.R., 2016, A simplified stress analysis of rising salt domes, *Basin Research*, doi:10.1111/bre.12181.
9. +Nikolinakou, M.A., **Flemings, P.B.**, Hudec, M.R., 2016, Modeling of shales in salt-hydrocarbon systems, *Rock Mechanics Rock Engineering*, v. 49, p. 699-705, doi 10.1007/s00603-015-0863-2.
10. *Darnell, K.N., **Flemings, P.B.**, 2015, Transient seafloor venting on continental slopes from warming-induced methane hydrate dissociation, *Geophysical Research Letters*, Vol. 42, 10,765-10,772, doi:10.1002/2015GL067012.
11. +You, K., DiCarlo, D., **Flemings, P.B.**, 2015, Quantifying hydrate solidification front advancing using method of characteristics, *Journal of Geophysical Research: Solid Earth*, 120, 6681-6697, doi: 10.1002/2015JB011985.
12. +Bhandari, A., **Flemings, P.B.**, +Polito, P.J., *Cronin, M.B., Bryant, S.L., 2015, Anisotropy and Stress Dependence of Permeability in the Barnett Shale, *Transport in Porous Media*, Vol. 108, Issue 2, pp 393-411, DOI 10.1007/s11242-015-0482-0.
13. Casey, B., Germaine, J.T., **Flemings, P.B.**, Fahy, B.P., 2015, Estimating Horizontal Stresses for Mudrocks under One-dimensional Compression, *Marine and Petroleum Geology*, 178-186, doi:10.1016/j.marpetgeo.2015.02.001.

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16. Luo, G., **Flemings, P.B.**, Hudec, M.R., ⁺Nikolinakou, M.A., 2015, The role of pore fluid overpressure in the substrates of advancing salt sheets, ice glaciers and critical-state wedges, *Journal of Geophysical Research*, DOI: 10.1002/2014JB011326.
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1. Deirieh, A., Chang, I.Y., Whittaker, M.L., Weigand, S., Keane, D., Rix, J., Germaine, J.T., Joester, D., **Flemings, P.B.**, in review, Illuminating the micro-fabric of fine-grained sediments through cryo-freezing of clay slurries, *Geology*.
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