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PUBLICATIONS

h-index: 41 (Google Scholar)

i10-index: 137, since 2016: 95 (Google Scholar)

* indicates graduate student advisee

+ indicates post-doc advisee or supervised staff

° indicates undergrad advisee

³ indicates graduate student co-advisee

Books

Flemings, Peter B., 2021, *A Concise Guide to Geopressure: Origin, Prediction, and Applications*, Cambridge University Press. University Printing House, Cambridge CB2 8BS, United Kingdom, DOI: 10.1017/9781107326309.

Papers in Refereed Journals

1. Daigle, H., Fang, Y., Phillips, S.C., **Flemings, P. B.**, (in press), Pore structure of sediments from Green Canyon 955 determined by mercury intrusion. *AAPG Bulletin*
2. +Fang, Y., **Flemings, P. B.**, Daigle, H., Phillips, S.C., O'Connell, J., (in press), Permeability of methane hydrate-bearing sandy silts in the deepwater Gulf of Mexico (Green Canyon Block 955). *AAPG Bulletin*
3. +Fang, Y., **Flemings, P. B.**, Germaine, J.T, Daigle, H., Phillips, S.C., O'Connell, J., (in press), Compression behavior of hydrate-bearing sediments. *AAPG Bulletin*
4. Phillips, S.C., **Flemings, P. B.**, You, K., Waite, W., (in press), Thermodynamic insights into the production of methane hydrate reservoirs from depressurization of pressure cores. *AAPG Bulletin*
5. +Santra, S., **Flemings, P. B.**, Heidari, M., You, K., (in press), Occurrence of High-Saturation Gas Hydrate in a Fault-Compartmentalized Anticline and the Role of Seal, Green Canyon, Abyssal Northern Gulf of Mexico. *AAPG Bulletin*
6. Yoneda, J., Jin, Y., Muraoka, M., Oshima, M., Waite, W., Suzuki, K., **Flemings, P. B.**, (in press), Comprehensive pressure core analysis for hydrate-bearing sediments from Gulf of Mexico, including assessments of geomechanical viscous behavior and NMR permeability. *AAPG Bulletin* Preliminary version published online 7 July 2021: Ahead of Print. DOI:10.1306/04272120204
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8. *Hooghvorst, JJ, Nikolinakou, MA, Harrold, TWD, Fernandez, O, **Flemings, P.B.**, Marcuello, A., 2021, Geologically constrained evolutionary geomechanical modelling of diapir and basin evolution: A case study from the Tarfaya basin, West African coast. *Basin Res.*; 33: 2049– 2068. <https://doi.org/10.1111/bre.12547>
9. +Heidari, M., Nikolinakou, M. A., Hudec, M.R, **Flemings, P.B.**, 2021, Impacts of vertical salt welding on pore pressure, stresses, and deformation near the weld. *Marine and Petroleum Geology*, 133: 105259. <https://doi.org/10.1016/j.marpetgeo.2021.105259>
10. +Bhandari, A., **Flemings, P.B.**, Hofmann, R., 2021, The dependence of shale permeability on confining stress and pore pressure. *Journal of Natural Gas Science and Engineering*, 92: 104008. <https://doi.org/10.1016/j.jngse.2021.104008>
11. Daigle, H., Cook, A., Fang, Y., Bihani, A., Song, W., **Flemings, P. B.**, 2020, Gas-driven tensile fracturing in shallow marine sediments. *Journal of Geophysical Research: Solid Earth*, 125, e2020JB020835. <https://doi.org/10.1029/2020JB020835>

12. +Heidari, M., Nikolinakou, M. A., & **Flemings, P. B.**, 2020, Modified Cam-Clay Model for Large Stress Ranges and Its Predictions for Geological and Drilling Processes. *Journal of Geophysical Research: Solid Earth*, 125, e2020JB019500. <https://doi.org/10.1029/2020JB019500>
13. *Meazell, K.P., **Flemings, P.B.**, Santra, M., Johnson, J.E., 2020, Sedimentology and stratigraphy of a deep-water gas hydrate reservoir in the northern Gulf of Mexico. *AAPG Bulletin* ; 104 (9): 1945–1969. doi: <https://doi.org/10.1306/05212019027>
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15. +Thomas, C., Phillips, S.C, **Flemings, P.B.**, Santra, M., Hammon, H., et al., 2020, Pressure coring operations during The University of Texas–Gulf of Mexico 2-1 (UT-GOM2-1) Hydrate Pressure Coring Expedition in Green Canyon Block 955, northern Gulf of Mexico. *AAPG Bulletin* ; 104 (9): 1877–1901. <https://doi.org/10.1306/02262019036>
16. Boswell, R., Collett, T.S., Cook, A., **Flemings, P.B.**, 2020, Introduction to Special Issue: Gas Hydrates in Green Canyon Block 955, deep-water Gulf of Mexico: Part I. *AAPG Bulletin* ; 104 (9): 1843–1846. <https://doi.org/10.1306/bltnintro062320>
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