## References

Water Resources, 2012.

Science Letters, 255:164–176, 2007.

Resources, 32(1):98–109, 2009.

dioxide. Geofluids, 7(2):112–122, 2007.

[2] I. Akervoll and P. Bergmo. A study of Johansen formation located offshore Mongstad as a candidate for permanent CO2 storage. In European Conference on CCS Research, Development and Demonstration. 10–11 February 2009, Oslo, Norway, 2009.

[1] M. Akbarabadi and M. Piri. Relative permeability hysteresis and capillary trapping characteristics of supercritical CO<sub>2</sub>/brine systems: an experimental study at reservoir conditions. Advances in

- [3] M. Ashraf. Impact of geological heterogeneity on early-stage CO<sub>2</sub> plume migration: pressure sensitivity study. Submitted, 2013. [4] B. Bennion and S. Bachu. Drainage and imbibition relative permeability relationships for supercritical CO<sub>2</sub>/brine and H<sub>2</sub>S/brine systems in intergranular sandstone, carbonate, shale, and
- anhydrite rocks. SPE Reservoir Evaluation & Engineering, 11(3):487–496, 2008. [5] B. Bennion and S. Bachu. Drainage and imbibition CO<sub>2</sub>/brine relative permeability curves at reservoir conditions for carbonate formations, spe 134028. In SPE Annual technical conference and exhibition, Florence, Italy, Society of Petroleum Engineers, 2010.
- [6] P. E. S. Bergmo, E. G. Lindeberg, F. Riis, and W. T. Johansen. Exploring geological storage sites for CO2 from Norwegian gas power plants: Johansen formation. Energy Procedia, 1(1):2945–2952, 2009. [7] M. Bickle, A. Chadwick, H. E. Huppert, M. Hallworth, and S. Lyle. Modelling carbon dioxide accumulation at Sleipner: Implications for underground carbon storage. Earth and Planetary
- [8] R. Bissell, D. Vasco, M. Atbi, M. Hamdani, M. Okwelegbe, and M. Goldwater. A full field simulation of the In Salah gas production and {CO2} storage project using a coupled geo-mechanical and thermal fluid flow simulator. Energy Procedia, 4(0):3290–3297, 2011. [9] F. C. Boait, N. J. White, M. J. Bickle, R. A. Chadwick, J. A. Neufeld, and H. E. Huppert. Spatial
- and temporal evolution of injected CO2 at the Sleipner Field, North Sea. Journal of Geophysical Research: Solid Earth, 117(B3), 2012. [10] M. Burton, N. Kumar, and S. L. Bryant. CO<sub>2</sub> injectivity into brine aquifers: Why relative permeability matters as much as absolute permeability. Energy Procedia, 1(1):3091–3098, 2009.
- [11] A. Cavanagh and P. Ringrose. Simulation of {CO2} distribution at the In Salah storage site using high-resolution field-scale models.  $Energy\ Procedia,\ 4(0):3730-3737,\ 2011.$
- [12] R. A. Chadwick and D. J. Noy. History-matching flow simulations and time-lapse seismic data from the Sleipner CO2 plume. Geological Society, London, Petroleum Geology Conference series, 7:1171–1182, 2010.
- [13] R. A. Chadwick, P. Zweigel, U. Gregersen, G. A. Kirby, S. Holloway, and P. N. Johannessen. Geological reservoir characterization of a CO2 storage site: The Utsira Sand, Sleipner, northern North Sea. Energy, 29(9–10):1371–1381, 2004. 6th International Conference on Greenhouse Gas
- Control Technologies. [14] C. Chalbaud, M. Robin, J. Lombard, F. Martin, P. Egermann, and H. Bertin. Interfacial tension measurements and wettability evaluation for geological CO<sub>2</sub> storage. Advances in Water
- [15] P. Chiquet, D. Broseta, and S. Thibeau. Capillary alteration of shaly caprocks by carbon dioxide. In SPE Europec/EAGE Annual Conference, 2005. [16] P. Chiquet, D. Broseta, and S. Thibeau. Wettability alteration of caprock minerals by carbon

21