

Journal Articles

- S Iglauer, A Paluszny, CH Pentland, MJ Blunt, “Residual CO₂ imaged with x-ray micro-tomography” [Geophysical Research Letters, in press]
- S Iglauer, AH Muggeridge, “Time dependence of free fall gravity drainage in unconsolidated sand”, [Journal of Porous Media, in press]
- S Iglauer, W Wüiling, CH Pentland, S Al-Mansoori, MJ Blunt, “Capillary trapping capacities of consolidated rocks and sands”, [SPE Journal, in press]
- Y Wu, S Iglauer, PJ Shuler, Y Tang, WA Goddard, “Experimental analysis of surfactant retention on kaolinite clay”, Tenside Surfactants Detergents, Vol. 48, Issue 5, 346-358, 2011
- CH Pentland, R El-Maghraby, S Iglauer, MJ Blunt, “Measurements of the capillary trapping of super-critical carbon dioxide in Berea sandstone”, Geophysical Research Letters, Vol. 38, L06401, 2011
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- S Iglauer, S Favretto, G Spinosa, G Schena, MJ Blunt, “X-ray tomography measurements of power-law cluster size distributions in sandstones”, Physical Review E, Vol. 82, Issue 5, 056315, 2010
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- S Iglauer, Y Wu, PJ Shuler, Y Tang, WA Goddard, “New surfactant classes for enhanced oil recovery and their tertiary oil recovery potential”, *Journal of Petroleum Science and Engineering*, Vol. 71, Issues 1-2, pp. 23-29, 2010
- S Iglauer, Y Wu, PJ Shuler, Y Tang, WA Goddard, “Analysis of the influence of alkyl polyglycoside surfactant and cosolvent structure on interfacial tension in aqueous formulations versus n-octane”, *Tenside Surfactants Detergents*, Vol. 47, Issue 2, pp. 87-97, 2010
- S Al-Mansoori, S Iglauer, E Itsekiri, C Pentland, B Bijeljic, MJ Blunt, “Measurements of non-wetting phase trapping applied to carbon dioxide storage”, *International Journal of Greenhouse Gas Control*, Vol. 4, Issue 2, 283-288, 2010 (special issue)
- S Al-Mansoori, S Iglauer, C Pentland, MJ Blunt, “Three-phase measurements of oil and gas trapping in sandpacks”, *Advances in Water Resources*, Vol. 32, Issue 10, 1535-1542, 2009
- O Talabi, S Al-Sayari, S Iglauer, MJ Blunt, “Pore-scale simulation of NMR response”, *Journal of Petroleum Science and Engineering*, Vol. 67, Issue 3-4, pp. 168-178, 2009
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- AR Hutchinson, S Iglauer, “Adhesion of construction sealants to polymer foam backer rod used in building construction”, *International Journal of Adhesion and Adhesives*, Vol. 26, Issue 7, pp. 555-566, 2006
- S Iglauer, AR Hutchinson, TCP Lee, “Characterisation of plastic foams used as backer rod in the construction industry”, *Cellular Polymers*, Vol. 23, No. 2, 1-31, 2004

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- S Iglauer, “Dissolution trapping of carbon dioxide in reservoir formation brine – a carbon storage mechanism”, in *Mass Transfer*, chapter 3, (ed. H. Nakajima) [in press]
- S Iglauer, “Carbon capture and storage with a focus on capillary trapping as a mechanism to store carbon dioxide in geological porous media”, in *Advances in Multiphase Flow and Heat Transfer*, volume 3, chapter 4, pp. 177-197 (eds. L. Cheng and D. Mewes) [in press]

- S Iglauer, AR Hutchinson, TCP Lee, “Effect of foam backer rod on the cure of one-part sealants“, in Durability of Building and Construction Sealants and Adhesives (ed. A T Wolf), ASTM STP 1453, 171-183, 2004
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Conference Proceedings

- S Iglauer, S Wang, V Rasouli, “X-ray micro-tomography measurements of fractured tight sandstone”, SPE 145960, SPE Asia Pacific Oil and Gas Conference and Exhibition, Jakarta, Indonesia, 20-22nd September 2011
- CH Pentland, S Iglauer, R El-Magraby, H Okabe, Y Tsuchiya, MJ Blunt, “Measurement of supercritical carbon dioxide capillary trapping in core analysis”, SPE 138476, 2010 SPE International Conference on CO₂ Capture, Storage & Utilization, New Orleans, Louisiana, USA, 10-12th November 2010
- CH Pentland, R El-Magraby, A Georgiadis, S Iglauer, MJ Blunt, “Immiscible displacement and capillary trapping in CO₂ storage”, 10th International Conference on Greenhouse Gas Control Technologies, Amsterdam, Netherlands, 20-23rd September 2010
- CH Pentland, S Iglauer, Y Tanino, MJ Blunt, “Residual saturation of water-wet sandstones: experiments, correlations and pore-scale modeling”, SPE 133798, SPE Annual Technical Conference and Exhibition, Florence, Italy, 19th-22nd September 2010
- S Iglauer, Y Wu, PJ Shuler, Y Tang, WA Goddard, “Alkylpolyglucoside/1-Naphthol formulations for improved oil recovery”, SPE 130404, 72nd EAGE Conference & Exhibition/SPE EUROPEC, Barcelona, Spain, 14-17th June 2010
- C Lamy, S Iglauer, CH Pentland, MJ Blunt, G Maitland, “Capillary trapping in carbonate rocks”, SPE 130720, 72nd EAGE Conference & Exhibition/SPE EUROPEC, Barcelona, Spain, 14-17th June 2010
- H Okabe, Y Tsuchiya, CH Pentland, S Iglauer, MJ Blunt, “Residual CO₂ saturation distributions in rock samples measured by X-ray CT”, proceedings of the GeoX 2010 3rd International Workshop on X-ray CT for Geomaterials, pp. 381-389, New Orleans, Louisiana, USA, 1-3rd March 2010

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- Y Wu, S Iglauer, PJ Shuler, Y Tang, M Blanco, WA Goddard, “Synergistic effect of Alkyl polyglycoside and Sorbitan mixtures on lowering interfacial tension and enhancing oil recovery”, proceedings of the ACS 227th National Meeting, Division of Petroleum Chemistry, Vol. 49, No. 2, pp 208-210, Anaheim, CA, USA, 2004
- S Iglauer, AR Hutchinson, “Investigation of backing foam-to-sealant adhesion in joints”, paper 128, proceedings of the 160th Technical Meeting of the American Chemical Society, Rubber Division, Cleveland, Ohio, USA, 16-20th October 2001

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