

## Bibliographie Pauline Rousseau-Gueutin

### Articles

**Rousseau-Gueutin, P.**, Love, A.J., Vasseur, G., Robinson, N.I., Simmons, C.T. and de Marsily, G., (2013), Time to reach near-steady state in large aquifers, *Water Resource Research*, 49, pp. 6893-6908, <http://dx.doi.org/10.1002/wrcr.20534>

Goncalves, J., **Rousseau-Gueutin, P.**, de Marsily, G., Cosenza, P. and Violette, S. (2010). What is the pore pressure in a saturated shale layer? *Water Resources Research*, 46(W04514), pp.1-16 <http://dx.doi.org/10.1029/2009WR008090>.

**Rousseau-Gueutin, P.**, Goncalves, J., Cruchaudet, M., de Marsily, G. and Violette, S. (2010). Hydraulic and chemical pulse-tests in shut-in chamber imbedded in an argillaceous formation?: Numerical and Experimental approaches. *Water Resources Research*, 46(W8516), pp.1-17 <http://dx.doi.org/10.1029/2008WR007371>.

**Rousseau-Gueutin, P.**, de Greef, V., Goncalves, J., Violette, S. and Chanchole, S. (2009). Experimental device for chemical osmosis measurement on natural clay-rock samples maintained at in situ conditions?: implications for formation pressure interpretations. *Journal of Colloid and Interface Science*, 337(1), pp.106-116 <http://dx.doi.org/10.1016/j.jcis.2009.04.092>.

Goncalves, J. and **Rousseau-Gueutin, P.** (2008). Molecular-scale model for the mass density of electrolyte solutions bound by clay surfaces: Application to bentonites. *Journal of Colloid and Interface Science*, 320(2), pp.590-598 <http://dx.doi.org/10.1016/j.jcis.2007.12.009>.

**Rousseau-Gueutin, P.**, Goncalves, J. and Violette, S. (2008). Osmotic efficiency in Callovo-Oxfordian argillites: Experimental vs. theoretical models. *Physics and Chemistry of the Earth*, 33(S1), pp.S106-S113 <http://dx.doi.org/10.1016/j.pce.2008.10.064>.

Goncalves, J., **Rousseau-Gueutin, P.** and Revil, A. (2007). Introducing interacting diffuse layers in TLM calculations: A reappraisal of the influence of the pore size on the swelling pressure and the osmotic efficiency of compacted bentonites. *Journal of Colloid and Interface Science*, 316(1), pp.92-99 <http://dx.doi.org/10.1016/j.jcis.2007.07.023>.

**Gueutin, P.**, Altmann, S., Goncalves, J., Cosenza, P. and Violette, S. (2007). Osmotic interpretation of overpressures from monovalent based triple layer model, in the Callovo-Oxfordian at the Bure site. *Physics and Chemistry of the Earth*, 32(1-7), pp.434-440 <http://dx.doi.org/10.1016/j.pce.2005.12.002>.

### Actes de congrès avec comités de lecture

**P. Rousseau-Gueutin**, A.J. Love and C.T. Simmons (2010), Effect of the paleo-recharge on large regional scale groundwater system in arid and semi-arid regions, International Conference "Transboundary Aquifers Challenges and New Directions" (ISARM2010), UNESCO, Paris.

A.J. Love, K. Karlstrom, L. Crossey, **P. Rousseau-Gueutin**, S. Priestley, P. Shand, J. Fluin (2010), Geochemical and neotectonic data provides of a new understanding of the hydrogeology of the Great Artesian Basin, International Conference "Transboundary Aquifers Challenges and New Directions" (ISARM 2010), UNESCO, Paris.

### Rapport Scientifique

**P. Rousseau-Gueutin**, S. Simon, A.J. Love, V. Post, C. Doublet, C.T. Simmons, D. Wohling and S. Fulton (2013), Chapter 5 : Groundwater and Hydrodynamics, in Groundwater Recharge, Hydrodynamics and Hydrochemistry of the Western Great Artesian Basin, Eds. Love et al., National Water Commission, Canberra.

### Edition de Rapports Scientifiques

A.J. Love, D. Wohling, S. Fulton, **P. Rousseau-Gueutin** and S. de Ritter (2013), Groundwater Recharge, Hydrodynamics and Hydrochemistry of the Western Great Artesian Basin, National Water Commission, Canberra.

A.J. Love, P. Shand, L. Crossey, G.A. Harrington and **P. Rousseau-Gueutin** (2013), Groundwater Discharge of the Western Great Artesian Basin, National Water Commission, Canberra.