

## Principales publications de Charles DANQUIGNY

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Carriere S. D., K. Chalikakis, C. Danquigny and L. Torrès-Rondon (accepted) Using resistivity or logarithm of resistivity to calculate Depth of Investigation index to assess reliability of Electrical Resistivity Tomography, Geophys.

Lesparre N., F. Boudin, C. Champollion, J. Chéry, C. Danquigny, H.C. Seat, M. Cattoen, F. Lizion and L. Longuevergne (2016) New insights on fractures deformation from tiltmeter data measured inside the Fontaine de Vaucluse karst system. *Geophys J Int* 2016; 208 (3): 1389-1402. doi: 10.1093/gji/ggw446

Carriere S. D., K. Chalikakis, C. Danquigny, H. Davi, N. Mazzilli, C. Ollivier and C. Emblanch (2016) The role of porous matrix in water flow regulation within a karst unsaturated zone: an integrated hydrogeophysical approach, *Hydrogeol J.*, 14p., DOI: 10.1007/s10040-016-1425-8

Barbel-Perineau A., C. Emblanch and C. Danquigny (2015) Spatial and Temporal Hydrodynamic Variations of Flow in the Karst Vadose Zone (Rustrel, France) in Function of Depth and Fracturing Density. In *Hydrogeological and Environmental Investigations in Karst Systems*. Andreo B., Carrasco F., Durán J.J., Jiménez P. and LaMoreaux J.W. (eds), Springer Berlin Heidelberg, 11-18.

Carrière S.D., K. Chalikakis, C. Danquigny, R. Clément and C. Emblanch (2015) Feasibility and Limits of Electrical Resistivity Tomography to Monitor Water Infiltration Through Karst Medium During a Rainy Event. In *Hydrogeological and Environmental Investigations in Karst Systems*. Andreo B., Carrasco F., Durán J.J., Jiménez P. and LaMoreaux J.W. (eds), Springer Berlin Heidelberg, 45-55.

Ollivier C., C. Danquigny, N. Mazzilli and A. Barbel-Perineau (2015) Contribution of Hydrogeological Time Series Statistical Analysis to the Study of Karst Unsaturated Zone (Rustrel, France). In *Hydrogeological and Environmental Investigations in Karst Systems*. Andreo B., Carrasco F., Durán J.J., Jiménez P. and LaMoreaux J.W. (eds), Springer Berlin Heidelberg, 27-33.

Carriere S. D., K. Chalikakis, G. Senechal, C. Danquigny, and C. Emblanch (2013) Combining Electrical Resistivity Tomography and Ground Penetrating Radar to study geological structuring of karst Unsaturated Zone, *J. Appl. Geophys.*, 94, 31-41.

Danquigny C., C. Emblanch, T. Blondel, B. Garry, A. Roch, and C. Sudre (2010) Influence of Great Flood on the Functioning of Karst Aquifer: Example of the Fontaine de Vaucluse Karst System (SE France), in *Advances in Research in Karst Media*, edited by B. Andreo, F. Carrasco, J. J. Durán and J. W. LaMoreaux, pp. 115-121, Springer Berlin Heidelberg.

Delay F., P. Ackerer, and C. Danquigny (2005) Simulating Solute Transport in Porous or Fractured Formations Using Random Walk Particle Tracking: A Review, *Vadose Zone J*, 4(2), 360-379.

Danquigny C. and P. Ackerer (2005) Experimental determination of equivalent parameters of a heterogeneous porous medium under uniform or radial flow. *Comptes Rendus Geoscience* 337(6), 563-570

Danquigny C., P. Ackerer, and J.P. Carlier (2004) Laboratory tracer tests on three-dimensional reconstructed heterogeneous porous media, *Journal of Hydrology*, 294(1-3), 196-212.