

Liste des publications 2017 de l'Observatoire de H-Plus

- Abdi, A., Boke-Olén, N., Tenenbaum, D., Tagesson, T., Cappelaere, B. and Ardö, J.: Evaluating Water Controls on Vegetation Growth in the Semi-Arid Sahel Using Field and Earth Observation Data, Remote Sensing, 9(3), 294, <https://doi.org/10.3390/rs9030294>, 2017.
- Arora, K., Chadha, R. K., Srinu, Y., Selles, A., Davuluri, S., Smirnov, V., Ponomarev, A. and Mikhailov, V. O.: Lineament fabric from airborne LiDAR and its influence on triggered earthquakes in the Koyna-Warna region, western India, Journal of the Geological Society of India, 90(6), 670–677, <https://doi.org/10.1007/s12594-017-0774-9>, 2017.
- Bochet, O.: Caractérisation des hot spots de réactivité biogéochimique dans les eaux souterraines, PhD Thesis <http://www.theses.fr/2017REN1S066/document>, 2017.
- Boy, J.-P., Rosat, S., Hinderer, J. and Littel, F.: Superconducting Gravimeter Data from Strasbourg - Level 1, GFZ Data Services., 2017.
- Carrière, S. D., Danquigny, C., Davi, H., Chalikakis, K., Ollivier, C., Martin-StPaul, N. K. and Emblanch, C.: Process-Based Vegetation Models Improve Karst Recharge Simulation Under Mediterranean Forest, in EuroKarst 2016, Neuchâtel, edited by P. Renard and C. Bertrand, pp. 109–116, Springer International Publishing, Cham, https://doi.org/10.1007/978-3-319-45465-8_12, 2017a.
- Carrière, S. D., Chalikakis, K., Danquigny, C. and Torres-Rondon, L.: Using resistivity or logarithm of resistivity to calculate depth of investigation index to assess reliability of electrical resistivity tomography, GEOPHYSICS, 82(5), EN93–EN98, <https://doi.org/10.1190/geo2016-0244.1>, 2017b.
- Chatterjee, A., Sarah, S., Sreedevi, P. D., Selles, A. and Ahmed, S.: Demarcation of fluoride vulnerability zones in granitic aquifer, semi-arid region, Telengana, India, Arabian Journal of Geosciences, 10(24), 558, <https://doi.org/10.1007/s12517-017-3334-0>, 2017.
- Chatton, E.: Contribution of dissolved gases to the understanding of groundwater hydrobiogeochemical dynamics, PhD Thesis <http://www.theses.fr/2017REN1S131/document>, 2017.
- Dewandel, B., Caballero, Y., Perrin, J., Boisson, A., Dazin, F., Ferrant, S., Chandra, S. and Maréchal, J.-C.: A methodology for regionalizing 3-D effective porosity at watershed scale in crystalline aquifers, Hydrological Processes, 31(12), 2277–2295, <https://doi.org/10.1002/hyp.11187>, 2017.
- Fores, B., Champollion, C., Le Moigne, N., Bayer, R. and Chéry, J.: Assessing the precision of the iGrav superconducting gravimeter for hydrological models and karstic hydrological process identification, Geophysical Journal International, 208(1), 269–280, <https://doi.org/10.1093/gji/ggw396>, 2017a.
- Fores, B., Champollion, C., Moigne, N. L. and Chery, J.: Impact of ambient temperature on spring-based relative gravimeter measurements, Journal of Geodesy, 91(3), 269–277, <https://doi.org/10.1007/s00190-016-0961-2>, 2017b.
- Guihéneuf, N., Bour, O., Boisson, A., Le Borgne, T., Becker, M. W., Nigon, B., Wajiduddin, M., Ahmed, S. and Maréchal, J.-C.: Insights about transport mechanisms and fracture flow channeling from multi-

scale observations of tracer dispersion in shallow fractured crystalline rock, *Journal of Contaminant Hydrology*, 206, 18–33, <https://doi.org/10.1016/j.jconhyd.2017.09.003>, 2017.

La Bernardie, J. de: Modélisation et caractérisation expérimentale du transport de chaleur en milieu fracturé, PhD Thesis <http://www.theses.fr/2017REN1S122/document>, 2017.

Le Coz, M., Bodin, J. and Renard, P.: On the use of multiple-point statistics to improve groundwater flow modeling in karst aquifers: A case study from the Hydrogeological Experimental Site of Poitiers, France, *Journal of Hydrology*, 545, 109–119, <https://doi.org/10.1016/j.jhydrol.2016.12.010>, 2017.

Lecocq, T., Longuevergne, L., Pedersen, H. A., Brenguier, F. and Stammer, K.: Monitoring ground water storage at mesoscale using seismic noise: 30 years of continuous observation and thermo-elastic and hydrological modeling, *Scientific Reports*, 7(1), 14241, <https://doi.org/10.1038/s41598-017-14468-9>, 2017.

Lesparre, N., Boudin, F., Champollion, C., Chéry, J., Danquigny, C., Seat, H. C., Cattoen, M., Lizion, F. and Longuevergne, L.: New insights on fractures deformation from tiltmeter data measured inside the Fontaine de Vaucluse karst system, *Geophysical Journal International*, 208(3), 1389–1402, <https://doi.org/10.1093/gji/ggw446>, 2017.

Mouyen, M., Canitano, A., Chao, B. F., Hsu, Y. -J., Steer, P., Longuevergne, L. and Boy, J. -P.: Typhoon-Induced Ground Deformation, *Geophysical Research Letters*, 44(21), <https://doi.org/10.1002/2017GL075615>, 2017.

Schuite, J., Longuevergne, L., Bour, O., Guihéneuf, N., Becker, M. W., Cole, M., Burbey, T. J., Lavenant, N. and Boudin, F.: Combining periodic hydraulic tests and surface tilt measurements to explore in situ fracture hydromechanics: PERIODIC HYDROMECHANICAL EXPERIMENT, *Journal of Geophysical Research: Solid Earth*, 122(8), 6046–6066, <https://doi.org/10.1002/2017JB014045>, 2017a.

Schuite, J., Longuevergne, L., Bour, O., Burbey, T. J., Boudin, F., Lavenant, N. and Davy, P.: Understanding the Hydromechanical Behavior of a Fault Zone From Transient Surface Tilt and Fluid Pressure Observations at Hourly Time Scales: HYDROMECHANICAL BEHAVIOR OF A FAULT, *Water Resources Research*, 53(12), 10558–10582, <https://doi.org/10.1002/2017WR020588>, 2017b.

Shakas, A., Linde, N., Baron, L., Selker, J., Gerard, M.-F., Lavenant, N., Bour, O. and Le Borgne, T.: Neutrally buoyant tracers in hydrogeophysics: Field demonstration in fractured rock: NEUTRALLY BUOYANT TRACERS, *Geophysical Research Letters*, 44(8), 3663–3671, <https://doi.org/10.1002/2017GL073368>, 2017.