


Tristan Babey

Postdoctoral Research Fellow, Earth System Science

 Curriculum Vitae available Online

Bio

PROFESSIONAL EDUCATION

- Ph.D., University of Rennes, France , Earth Sciences (Hydrogeology) (2016)
- M.S., University of Rennes, France , Earth Sciences (2013)
- B.A., University of Rennes, France , Earth Sciences (2011)

Publications

PUBLICATIONS

- **Stratification of reactivity determines nitrate removal in groundwater.** *Proceedings of the National Academy of Sciences of the United States of America*
Kolbe, T. n., de Dreuzy, J. R., Abbott, B. W., Aquilina, L. n., Babey, T. n., Green, C. T., Fleckenstein, J. H., Labasque, T. n., Laverman, A. M., Marçais, J. n., Peiffer, S. n., Thomas, Z. n., Pinay, et al
2019
- **Inherent relevance of MRMT models to concentration variance and mixing-induced reactivity** *ADVANCES IN WATER RESOURCES*
Babey, T., de Dreuzy, J., Rapaport, A., Rojas-Palma, A.
2017; 110: 291–98
- **Spatiotemporal simulations of 2,4-D pesticide degradation by microorganisms in 3D soil-core experiments** *ECOLOGICAL MODELLING*
Babey, T., Vieuble-Gonod, L., Rapaport, A., Pinheiro, M., Garnier, P., de Dreuzy, J.
2017; 344: 48–61
- **From conservative to reactive transport under diffusion-controlled conditions** *WATER RESOURCES RESEARCH*
Babey, T., de Dreuzy, J., Ginn, T. R.
2016; 52 (5): 3685–3700
- **Multi-Rate Mass Transfer (MRMT) models for general diffusive porosity structures** *ADVANCES IN WATER RESOURCES*
Babey, T., de Dreuzy, J., Casenave, C.
2015; 76: 146–56
- **Influence of porosity structures on mixing-induced reactivity at chemical equilibrium in mobile/immobile Multi-Rate Mass Transfer (MRMT) and Multiple Interacting Continua (MINC) models** *WATER RESOURCES RESEARCH*
de Dreuzy, J., Rapaport, A., Babey, T., Harmand, J.
2013; 49 (12): 8511–30