

Liste des publications 2019 de l'Observatoire AgrHys

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Gu, S., Gruau, G., Dupas, R., Petitjean, P., Li, Q. and Pinay, G.: Respective roles of Fe-oxyhydroxide dissolution, pH changes and sediment inputs in dissolved phosphorus release from wetland soils under anoxic conditions, *Geoderma*, 338, 365–374, <https://doi.org/10.1016/j.geoderma.2018.12.034>, 2019.

Jeanneau, L., Buysse, P., Denis, M., Gruau, G., Petitjean, P., Jaffrézic, A., Flechard, C. and Viaud, V.: Water Table Dynamics Control Carbon Losses from the Destabilization of Soil Organic Matter in a Small, Lowland Agricultural Catchment, *Soil Systems*, 4(1), 2, <https://doi.org/10.3390/soilsystems4010002>, 2019.

Le Guillou, C., Chemidlin Prévost-Bouré, N., Karimi, B., Akkal-Corfini, N., Dequiedt, S., Nowak, V., Terrat, S., Menasseri-Aubry, S., Viaud, V., Maron, P. and Ranjard, L.: Tillage intensity and pasture in rotation effectively shape soil microbial communities at a landscape scale, *MicrobiologyOpen*, 8(4), e00676, <https://doi.org/10.1002/mbo3.676>, 2019.

Lotfi Kalahroodi, E.: Une nouvelle approche isotopique des relations entre Fe et matière organique dans les zones humides, PhD Thesis <http://www.theses.fr/s195950>, 2019.

Lotfi-Kalahroodi, E., Pierson-Wickmann, A.-C., Guénet, H., Rouxel, O., Ponzevera, E., Bouhnik-Le Coz, M., Vantelon, D., Dia, A. and Davranche, M.: Iron isotope fractionation in iron-organic matter associations: Experimental evidence using filtration and ultrafiltration, *Geochimica et Cosmochimica Acta*, 250, 98–116, <https://doi.org/10.1016/j.gca.2019.01.036>, 2019.

Ratié, G., Vantelon, D., Lotfi Kalahroodi, E., Bihannic, I., Pierson-Wickmann, A. C. and Davranche, M.: Iron speciation at the riverbank surface in wetland and potential impact on the mobility of trace metals, *Science of The Total Environment*, 651, 443–455, <https://doi.org/10.1016/j.scitotenv.2018.09.143>, 2019.