

Les publications 2020 de la ZAPygar

Binet S., Probst J.L., Batiot C., Seidel J.L., Emblanch C., Peyraube N., Charlier J.B., Bakalowicz M., Probst A. (2020) Global warming and acid atmospheric deposition impacts on carbonate dissolution and CO₂ fluxes in French karstic hydrosystems: evidence from hydrochemical monitoring during last decades. *Geochimica Cosmochimica Acta*, 270, 184-200. DOI: 10.1016/j.gca.2019.11.021

Blanco J., Sourdril A., Deconchat M., Barnaud C., San Cristobal M., Andrieu E. (2020) How farmers feel about trees: Perceptions of ecosystem services and disservices associated with rural forests in southwestern France. *Ecosystem Services*, 42, 101066. DOI: 10.1016/j.ecoser.2020.101066

Boulêtreau S., Carry L., Meyer E., Filloux D., Menchi O., Mataix V., Santoul F. (2020) High predation of native sea lamprey during spawning migration. *Scientific Reports*, 10, 6122. DOI: 10.1038/s41598-020-62916-w

Delplace, G., Schreck E. Pokrovsky O.S. et al. (2020) Accumulation of heavy metals in phytoliths from reeds growing on mining environments in Southern Europe. *Science of The Total Environment*, 712, 135595. DOI: 10.1016/j.scitotenv.2019.135595

Espel D., Courty S., Auda Y., Sheeren D., Elger A. (2020) Submerged macrophyte assessment in rivers: an automatic mapping method using Pléiades imagery. *Water Research*, 186, 116353. DOI: 10.1016/j.watres.2020.116353

Pilotto F., Kühn I., Adrian R. et al. (2020) Meta-analysis of multidecadal biodiversity trends in Europe. *Nat Commun*, 11, 3486. DOI: 10.1038/s41467-020-17171-y

Ponnou-Delaffon V., Probst A., Payre-Suc V., Granouillac F., Ferrant S., Perrin A., Probst J.L. (2020) - Long and short-term trends of stream hydrochemistry and high frequency surveys as indicators of the influence of climate change, agricultural practices and inner processes (Aurade agricultural catchment, SW France). *Ecological Indicators*, 110, 105894. DOI: 10.1016/j.ecolind.2019.105894.

Ulloa-Cedamano F., Probst J.L., Binet S., Camboulive T., Payre-Suc V., Pautot C., Bakalowicz M., Beranger S., Probst A. (2020) A forty-year karstic critical zone survey (baget catchment, pyrenees-france): lithologic and hydroclimatic controls on seasonal and inter-annual variations of stream water chemical composition, pCO₂, and carbonate equilibrium. *Water*, 12, 1227. DOI: 10.3390/w12051227