

## Liste des publications 2017-2021 du LRTA (IRSNPSE ENV/SRTE)

### 2021

- Bégorre C., Dabrin A., Morereau A., Lepage H., Mourier B., Masson M., Eyrolle F., Coquery M. 2021. Relevance of using the non-reactive geochemical signature in sediment core to estimate historical tributary contributions. Relevance of using the non-reactive geochemical signature in sediment core to estimate historical tributary contributions. *Journal of Environmental Management*. 292, 112775. [Doi.org/10.1016/j.jenvman.2021.112775](https://doi.org/10.1016/j.jenvman.2021.112775)
- Cossa D., Mucci A., Guédron S., Coquery M., Radakovitch O., Escoube R., Campillo S., Heussner S. 2021. Mercury accumulation in the sediment of the Western Mediterranean abyssal plain: a reliable archive of the late Holocene. *Geochimica & Cosmochimica Acta*. 309, 1-15. [Doi.org/10.1016/j.gca.2021.06.014](https://doi.org/10.1016/j.gca.2021.06.014)
- Delaval A., Duffa C., Pairaud I., Radakovitch O. 2021 A fuzzy classification of the hydrodynamic forcings of the Rhone River plume: an application in case of radionuclides accidental release. *Environmental Modelling & Software*. 2021. 140. 105005. [Doi.org/10.1016/j.envsoft.2021.105005](https://doi.org/10.1016/j.envsoft.2021.105005)
- Evrard O., Chartin C., Laceby J.P., Onda Y., Wakiyama Y., Nakao A., Cerdan O., Lepage H., Jaegler H., Vandromme R., Lefevre I., Bonté P. 2021. Radionuclides contamination in flood sediment deposits in the coastal rivers draining the main radioactive pollution plume of Fukushima Prefecture, Japan (2011-2020). *Earth Syst. Sci. Data*. 13, 2555-2560. [doi.org/10.5194/essd-13-2555-2021](https://doi.org/10.5194/essd-13-2555-2021)
- Pađan J., Marcinek S., Cindrić A-M., Santinelli C., Retelletti Brogi S., Radakovitch O., Garnier C., Omanović D. 2021. Organic copper speciation by anodic stripping voltammetry in estuarine waters with high dissolved organic matter. *Frontiers in Chemistry*. 8, 628749. [Doi.org/10.3389/fchem.2020.628749](https://doi.org/10.3389/fchem.2020.628749)
- Rigaud S., Deflandre B., Grenz C., Cesbron F., Pozzato L., Voltz B., Grémare A., Romero-Ramirez A., Mirleau P., Meulé S., Faure V., Mayot N., Michotey V., Bonin P., Pascal L., Cordier M-A., Lamarque B., Tenório M., Radakovitch O. 2021. Benthic oxygen dynamics and implication for the maintenance of chronic hypoxia and ecosystem degradation in the Berre lagoon (France). *Estuarine, Coastal and Shelf Science*. 258, 107437. [Doi.org/10.1016/j.ecss.2021.107437](https://doi.org/10.1016/j.ecss.2021.107437)
- Vauclin S., Mourier B., Dendievel A-M., Marchand P., Venisseau A., Morereau A., Lepage H., Eyrolle F., Winiarski T. 2021. Temporal trends of legacy and novel brominated flame retardants in sediments along the Rhône River corridor in France. *Chemosphere*. 271, 129889. [Doi.org/10.1016/j.chemosphere.2021.129889](https://doi.org/10.1016/j.chemosphere.2021.129889)

### 2020

- Beaugelin-Seiller K., Garnier-Laplace J., Della-Vedova C., Métivier J.M., Lepage H., Mousseau T., Pape Moller A. 2020. Dose reconstruction supports the interpretation of decreased abundance of mammals in the Chernobyl Exclusion Zone. *Scientific reports*. 10, 10483. [Doi.org/10.1038/s41598-020-70699-3](https://doi.org/10.1038/s41598-020-70699-3)
- Bejannin S., Tamborski J.J., van Beek P., Souhaut M., Stieglitz T., Radakovitch O., Claude C., Conan P., Pujo-Pay M., Crispi O., Le Roy E., Estournel C. 2020. Nutrient fluxes associated with submarine groundwater discharge from karstic coastal aquifers (Côte Bleue, French Mediterranean coastline). *Frontiers in Environmental Sciences*. 7, 205. [Doi.org/10.3389/fenvs.2019.00205](https://doi.org/10.3389/fenvs.2019.00205)
- Booth S., Walters W., Steenbeek J., Christensen V., Charmasson S. 2020. An Ecopath with Ecosim model for the Pacific coast of eastern Japan: Describing the marine environment and its fisheries prior to the Great East Japan earthquake. *Ecological Modelling*. 428, 109087. [Doi.org/10.1016/j.ecolmodel.2020.109087](https://doi.org/10.1016/j.ecolmodel.2020.109087)
- Cresswell T., Metian M., Fisher N., Charmasson S., Hansman R.L., Bam W., Bock C., Swarzenski P.W. 2020. Exploring new frontiers in marine radioisotope tracing- adapting to new opportunities and challenges. *Frontiers in Marine Science*. 7, 406. [Doi.org/10.103389/fmars.2020.00406](https://doi.org/10.103389/fmars.2020.00406)
- Delaval A., Duffa C., Radakovitch O. 2020. A review on cesium desorption at the freshwater-seawater interface. *Journal of Environmental Radioactivity*. 218, 106255. [Doi.org/10.1016/j.envrad.2020.106255](https://doi.org/10.1016/j.envrad.2020.106255)

- Delile H., Masson M., Miège C., Le Coz J., Poulier G., Le Bescond C., Radakovitch O., Coquery M. 2020. Hydro-climatic drivers of land-based organic and inorganic particulate micropollutant fluxes: The regime of the largest river water inflow of the Mediterranean Sea. *Water Research*. 185. 116067. [doi.org/10.1016/j.watres.2020.116067](https://doi.org/10.1016/j.watres.2020.116067)
- Duffa C.. 2020 Marine Dispersion Modelling and Expertise Tools for Accidental Radiological Contamination of French Coasts. Chapter 11. Marine Dispersion Modelling and Expertise Tools for Accidental Radiological Contamination of French Coasts. *Advances in Hydroinformatics*, P. Gourbesville and G. Caignaert (eds.), Springer Water. 135-144.
- Dufresne C., Arfib B., Ducros L. Duffa C., Giner F., Rey V. 2020. Karst and urban flood-induced solid discharges in Mediterranean coastal rivers: The case study of Las River (SE France). 590, 125194. [Doi.org/10.1016/j.hydrol.2020.125194](https://doi.org/10.1016/j.hydrol.2020.125194)
- Dufresne C., Arfib B., Ducros L., Duffa C., Giner F., Rey V., Lamarque T. 2020 Datasets of solid and liquid discharges of an urban Mediterranean river and its karst springs (Las River, SE France). *Data in Brief*. 31, 106022. [Doi.org/10.1016/j.dib.2020.106022](https://doi.org/10.1016/j.dib.2020.106022)
- Eyrolle F., Lepage H., Antonelli C., Morereau A., Cossonnet C., Boyer P., Gurriaran R. 2020 Radionuclides in waters and suspended sediments in the Rhone River (France) - Current contents, anthropic pressures and trajectories. *Science of the Total Environment*. 723, 137873. [Doi.org/10.1016/j.scitotenv.2020.137873](https://doi.org/10.1016/j.scitotenv.2020.137873)
- Gil-Díaz T., Schäfer J., Keller V., Eiche E., Dutruch L., Mößner C., Lenz M., Eyrolle F. 2020. Tellurium and selenium sorption kinetics and solid fractionation under contrasting estuarine salinity and turbidity conditions. *Chemical Geology*. 532, 119370. [Doi.org/10.1016/j.chemgeo.2019.119370](https://doi.org/10.1016/j.chemgeo.2019.119370)
- Iliina S.M., Marang L., Lourino-Cabana B., Eyrolle F., Boyer P., Coppin F., Sivry Y., Gélalbert A., Benedetti M.F. 2020. Solid/liquid ratios of trace elements and radionuclides during a Nuclear Power Plant liquid discharge in the Seine River: field measurements vs geochemical modelling. *Journal of Environmental Radioactivity*. 220-221, 106317. [Doi.org/10.1016/j.envrad.2020.106317](https://doi.org/10.1016/j.envrad.2020.106317)
- Kawamura K., Oguri K., Toyofuku T., Radakovitch O., Fontanier C., Sasaki K., Fujii M., Murayama M. 2020. Tsunami-triggered dispersal and deposition of microplastics in marine environments and their use in dating recent turbidite deposits. *Geological Society, London, Special Publications*, 501 - Characterization of Modern and Historical Seismic–Tsunami Events, and Their Global–Societal Impacts. [Doi.org/10.1144/SP501-2019-45](https://doi.org/10.1144/SP501-2019-45)
- Labille J., Slomberg D., Catalano R., Robert S., Apers-Tremelo M.-L., Boudenne J.-L., Manasfi T., Radakovitch O. 2020. Assessing UV filter inputs into beach waters during recreational activity: A field study of three French Mediterranean beaches from consumer survey to water analysis. *Science of the Total Environment*. 706, 136010. [Doi.org/10.1016/j.scitotenv.2019.136010](https://doi.org/10.1016/j.scitotenv.2019.136010)
- Lepage H., Eyrolle F., Ducros L., Claval D. 2020. Spatial and temporal variation of tritium concentrations during a dam flushing operation. *Journal of Environmental Radioactivity*. 218, 106261. [doi.org/10.1016/j.envrad.2020.106261](https://doi.org/10.1016/j.envrad.2020.106261)
- Lepage H., Launay M., Le Coz J., Angot H., Miège C., Gairoard S., Radakovitch O., Coquery M. 2020. Impact of dam flushing operations on sediment dynamics and quality in the upper Rhône River, France. *Journal of Environmental Management*. 255, 109886. [Doi.org/10.1016/j.envman.2019.109886](https://doi.org/10.1016/j.envman.2019.109886)
- Marmonier P., Creuzé des Châtelliers M., Dole-Olivier M.J., Radakovitch O, Mayer A., Chapuis H., Graillet D., Re-Bahuaud J., Johannet A., Cadilhac L. 2020. Are surface water characteristics efficient to locate hyporheic biodiversity hotspots? *Science of the Total Environment*. 783, 139930. [Doi.org/10.1016/j.scitotenv.2020.139930](https://doi.org/10.1016/j.scitotenv.2020.139930)
- Minghelli A., Spagnoli J., Lei M., Chami M., Charmasson S. 2020. Shoreline extraction from WorldView-2 satellite data in the presence of foam pixels using multispectral classification method. *Remote Sensing*. 12, 2664. [Doi:10.3390/rs12162664](https://doi.org/10.3390/rs12162664)
- Morereau A., Lepage H., Claval D., Cossonnet C., Ambrosi J.P., Mourier B., Winiarski T., Copard Y., Eyrolle F. 2020. Trajectories of technogenic tritium in the Rhône River (France). *Journal of Environmental Radioactivity*. 223-224, 106370. [Doi.org/10.1016/j.envrad.2020.106370](https://doi.org/10.1016/j.envrad.2020.106370)
- Raboun O., Chojnacki E., Duffa C., Rios Insua D., Tsoukiàs A. 2020. Spatial risk assessment in case of multiple nuclear release scenarios. *Socio-Economic Planning Sciences*. 70, 100721. [Doi.org/10.1016/j.seps.2019.06.006](https://doi.org/10.1016/j.seps.2019.06.006)
- Santoni S., Garel E., Mayer A., Radakovitch O., Travi Y., Huneau F. 2020. Detection and quantification of low submarine groundwater discharge flows by radionuclides to support conceptual hydrogeological model of porous aquifer. *Journal of Hydrology*. 583, 124606. [Doi.org/10.1016/j.hydrol.2020.124606](https://doi.org/10.1016/j.hydrol.2020.124606)

## 2019

- Abdou, M., Schäfer, J., Hu, R., Gil-Díaz, T., Garnier, C., Brach-Papa, C., Chiffolleau, J.-F., Charmasson, S., Giner, F., Dutruch, L., Blanc, G., 2019. Platinum in sediments and mussels from the northwestern Mediterranean coast: Temporal and spatial aspects. *Chemosphere* 215, 783–792. <https://doi.org/10.1016/j.chemosphere.2018.10.011>

- Belharet, M., Charmasson, S., Tsumune, D., Arnaud, M., Estournel, C., 2019. Numerical modelling of <sup>137</sup>Cs content in the pelagic species of the Japanese Pacific coast following the Fukushima Dai-ichi Nuclear Power Plant accident using a size-structured food-web model. *PLoS One* 14. <https://doi.org/10.1371/journal.pone.0212616>
- Chouvelon, T., Strady, E., Harmelin-Vivien, M., Radakovitch, O., Brach-Papa, C., Crochet, S., Knoery, J., Rozuel, E., Thomas, B., Tronczynski, J., Chiffolleau, J.-F., 2019. Patterns of trace metal bioaccumulation and trophic transfer in a phytoplankton-zooplankton-small pelagic fish marine food web. *Mar. Pollut. Bull.* 146, 1013–1030. <https://doi.org/10.1016/j.marpolbul.2019.07.047>
- Ciffroy, P., Monnin, L., Garnier, J.-M., Ambrosi, J.-P., Radakovitch, O., 2019. Modelling geochemical and kinetic processes involved in lead (Pb) remobilization during resuspension events of contaminated sediments. *Sci. Total Environ.* 679, 159–171. <https://doi.org/10.1016/j.scitotenv.2019.04.192>
- Eyrolle, F., Copard, Y., Lepage, H., Ducros, L., Morereau, A., Grosbois, C., Cossonnet, C., Gurriaran, R., Booth, S., Desmet, M., 2019. Evidence for tritium persistence as organically bound forms in river sediments since the past nuclear weapon tests. *Sci. Rep.* 9. <https://doi.org/10.1038/s41598-019-47821-1>
- Furgerot, L., Poprawski Y., Violet M., Poizot E., Bailly du Bois P., Morillon M., Mear. Y., 2019. "High-Resolution Bathymetry of the Alderney Race and its Geological and Sedimentological Description (Raz Blanchard, Northwest France)." *Journal of Maps* 15 (2): 708-718.
- Jean-Baptiste, P., Fontugne, M., Fourré, E., Charmasson, S., Marang, L., Siclet, F., 2019. Organically bound tritium (OBT) and carbon-14 accumulation in the sediments off the mouth of the Rhône River. *Environ. Earth Sci.* 78. <https://doi.org/10.1007/s12665-019-8081-y>
- Lepage H., Masson M., Delanghe D., LeBescond C. Grain size analyzers: results of an intercomparison study. 2019 ; *SN Applied Sciences*.
- Minghelli, A., Lei, M., Charmasson, S., Rey, V., Chami, M., 2019. Monitoring Suspended Particle Matter Using GOCI Satellite Data After the Tohoku (Japan) Tsunami in 2011. *IEEE J. Sel. Top. Appl. Earth Obs. Remote Sens.* 12, 567–576. <https://doi.org/10.1109/JSTARS.2019.2894063>
- Periáñez, R., R. Bezhengar, I. Brovchenko, C. Duffa, M. Iosjpe, K. T. Jung, K. O. Kim, et al. 2019. "Marine Radionuclide Transport Modelling: Recent Developments, Problems and Challenges." *Environmental Modelling and Software* 122. doi:10.1016/j.envsoft.2019.104523. [www.scopus.com](http://www.scopus.com).
- Rigaud, S., Garnier, J.-M., Moreau, X., De Jong-Moreau, L., Mayot, N., Chaurand, P., Radakovitch, O., 2019. How to assess trace elements bioavailability for benthic organisms in lowly to moderately contaminated coastal sediments? *Mar. Pollut. Bull.* 140, 86–100. <https://doi.org/10.1016/j.marpolbul.2019.01.007>
- Sakho, I., Dussouillez, P., Delanghe, D., Hanot, B., Raccasi, G., Tal, M., Sabatier, F., Provansal, M., Radakovitch, O., 2019. Suspended sediment flux at the Rhone River mouth (France) based on ADCP measurements during flood events. *Environ. Monit. Assess.* 191. <https://doi.org/10.1007/s10661-019-7605-y>
- Thiébaud, M., Sentchev A., du Bois P. B., 2019. Merging Velocity Measurements and Modeling to Improve Understanding of Tidal Stream Resource in Alderney Race. *Energy* 178: 460-470. doi:10.1016/j.energy.2019.04.171.
- Tomczak, W., Boyer, P., Krimissa, M., Radakovitch, O., 2019. Kd distributions in freshwater systems as a function of material type, mass-volume ratio, dissolved organic carbon and pH. *Appl. Geochemistry* 105, 68–77. <https://doi.org/10.1016/j.apgeochem.2019.04.003>

## 2018

- Ahmed, I., Mostefa, B., Bernard, A., Olivier, R., 2018. Levels and ecological risk assessment of heavy metals in surface sediments of fishing grounds along Algerian coast. *Mar. Pollut. Bull.* 136, 322–333. <https://doi.org/10.1016/j.marpolbul.2018.09.029>
- Boyer, P., Wells, C., Howard, B., 2018. Extended Kd distributions for freshwater environment. *J. Environ. Radioact.* 192, 128–142. <https://doi.org/10.1016/j.jenvrad.2018.06.006>
- Copard, Y., Eyrolle, F., Radakovitch, O., Poirel, A., Raimbault, P., Gairoard, S., Di-Giovanni, C., 2018. Badlands as a hot spot of petrogenic contribution to riverine particulate organic carbon to the Gulf of Lion (NW Mediterranean Sea). *Earth Surf. Process. Landforms* 43, 2495–2509. <https://doi.org/10.1002/esp.4409>
- Cossa, D., Fanget, A.-S., Chiffolleau, J.-F., Bassetti, M.-A., Buscail, R., Dennielou, B., Briggs, K., Arnaud, M., Guédron, S., Berné, S., 2018. Chronology and sources of trace elements accumulation in the Rhône pro-delta sediments (Northwestern Mediterranean) during the last 400 years. *Prog. Oceanogr.* 163, 161–171. <https://doi.org/10.1016/j.pocean.2017.01.008>
- Ducros, L., Eyrolle, F., Vedova, C.D., Charmasson, S., Leblanc, M., Mayer, A., Babic, M., Antonelli, C., Mourier, D., Giner, F., 2018. Tritium in river waters from French Mediterranean catchments: Background levels and variability. *Sci. Total Environ.* 612, 672–682. <https://doi.org/10.1016/j.scitotenv.2017.08.026>

- Dufresne, C., Duffa, C., Rey, V., Verney, R., 2018. Hydro-sedimentary model as a post-accidental management tool: Application to radionuclide marine dispersion in the Bay of Toulon (France). *Ocean Coast. Manag.* 153, 176–192. <https://doi.org/10.1016/j.ocecoaman.2017.12.026>
- Eyrolle, F., Ducros, L., Le Dizès, S., Beaugelin-Seiller, K., Charmasson, S., Boyer, P., Cossonnet, C., 2018. An updated review on tritium in the environment. *J. Environ. Radioact.* 181, 128–137. <https://doi.org/10.1016/j.jenvrad.2017.11.001>
- Eyrolle, F., Lepage, H., Copard, Y., Ducros, L., Claval, D., Saey, L., Cossonnet, C., Giner, F., Mourier, D., 2018. A brief history of origins and contents of Organically Bound Tritium (OBT) and <sup>14</sup>C in the sediments of the Rhône watershed. *Sci. Total Environ.* 643, 40–51. <https://doi.org/10.1016/j.scitotenv.2018.06.074>
- Galeron, M.-A., Radakovitch, O., Charrière, B., Vaultier, F., Volkman, J.K., Bianchi, T.S., Ward, N.D., Medeiros, P.M., Sawakuchi, H.O., Tank, S., Kerhervé, P., Rontani, J.-F., 2018. Lipoxigenase-induced autoxidative degradation of terrestrial particulate organic matter in estuaries: A widespread process enhanced at high and low latitude. *Org. Geochem.* 115, 78–92. <https://doi.org/10.1016/j.orggeochem.2017.10.013>
- Jean-Baptiste, P., Fontugne, M., Fourré, E., Marang, L., Antonelli, C., Charmasson, S., Siclet, F., 2018. Tritium and radiocarbon levels in the Rhône river delta and along the French Mediterranean coastline. *J. Environ. Radioact.* 187, 53–64. <https://doi.org/10.1016/j.jenvrad.2018.01.031>
- Le Bescond, C., Thollet, F., Poulier, G., Gairoard, S., Lepage, H., Branger, F., Jamet, L., Raidelet, N., Radakovitch, O., Dabrin, A., Coquery, M., Le Coz, J., 2018. From water fluxes to suspended particulate matter and associated contaminant fluxes: Management of hydro-sedimentary stations on the Rhône River. *Houille Blanche* 63–70. <https://doi.org/10.1051/lhb/2018033>
- Minghelli, A., Lei, M., Charmasson, S., Rey, V., 2018. Suspended particulate matter monitoring with GOCI images after the Tohoku tsunami (March 2011). Institute of Electrical and Electronics Engineers Inc., Université de Toulon, Aix Marseille Université, LIS UMR 7296, La Garde, France.
- Monnin, L., Ciffroy, P., Garnier, J.-M., Ambrosi, J.-P., Radakovitch, O., 2018. Remobilization of trace metals during laboratory resuspension of contaminated sediments from a dam reservoir. *J. Soils Sediments* 18, 2596–2613. <https://doi.org/10.1007/s11368-018-1931-5>
- Nguyen, H.L., de Fouquet, C., Courbet, C., Gurriaran, R., Kashparov, V., Levchuk, S., Barker, E., 2018. Analysis of the relationship binding *in situ* gamma count rates and soil sample activities: Implication on radionuclide inventory and uncertainty estimates due to spatial variability. *J. Environ. Radioact.* 192, 349–361. <https://doi.org/10.1016/j.jenvrad.2018.06.021>
- Pakhomova, S., Yakushev, E., Protsenko, E., Rigaud, S., Cossa, D., Knoery, J., Couture, R.-M., Radakovitch, O., Yakubov, S., Krzeminska, D., Newton, A., 2018. Modeling the influence of eutrophication and redox conditions on Mercury cycling at the sediment-water interface in the Berre lagoon. *Front. Mar. Sci.* 5. <https://doi.org/10.3389/fmars.2018.00291>
- Rodellas, V., Stieglitz, T.C., Andrisoa, A., Cook, P.G., Raimbault, P., Tamborski, J.J., van Beek, P., Radakovitch, O., 2018. Groundwater-driven nutrient inputs to coastal lagoons: The relevance of lagoon water recirculation as a conveyor of dissolved nutrients. *Sci. Total Environ.* 642, 764–780. <https://doi.org/10.1016/j.scitotenv.2018.06.095>
- Spagnoli, J., Minghelli, A., Charmasson, S., 2018. Shoreline monitoring Using WorldView-2 images along the coast of Sendai after the Tohoku tsunami in presence of foam. Institute of Electrical and Electronics Engineers Inc., LIS, University of Toulon La Garde, France. <https://doi.org/10.1109/OCEANSKOB.2018.8559069>
- Vives i Batlle, J., Aoyama, M., Bradshaw, C., Brown, J., Buesseler, K.O., Casacuberta, N., Christl, M., Duffa, C., Impens, N.R.E.N., Iosjpe, M., Masqué, P., Nishikawa, J., 2018. Marine radioecology after the Fukushima Dai-ichi nuclear accident: Are we better positioned to understand the impact of radionuclides in marine ecosystems? *Sci. Total Environ.* 618, 80–92. <https://doi.org/10.1016/j.scitotenv.2017.11.005>
- Wu, J., Rabouille, C., Charmasson, S., Reyss, J.L., Cagnat, X., 2018. Constraining the origin of recently deposited particles using natural radionuclides <sup>7</sup>Be and <sup>234</sup>Thex in deltaic sediments. *Cont. Shelf Res.* 165, 106–119.

## 2017

- Buesseler, K., Dai, M., Aoyama, M., Benitez-Nelson, C., Charmasson, S., Higley, K., Maderich, V., Masqué, P., Morris, P.J., Oughton, D., Smith, J.N., 2017. Fukushima Daiichi-Derived Radionuclides in the Ocean: Transport, Fate, and Impacts. *Ann. Rev. Mar. Sci.* 9, 173–203. <https://doi.org/10.1146/annurev-marine-010816-060733>
- Delmas, M., Garcia-Sanchez, L., Nicoulaud-Gouin, V., Onda, Y., 2017. Improving transfer functions to describe radiocesium wash-off fluxes for the Niida River by a Bayesian approach. *J. Environ. Radioact.* 167, 100–109. <https://doi.org/10.1016/j.jenvrad.2016.11.002>
- Fiévet, B., Bailly-Du-Bois, P., Laguionie, P., Morillon, M., Arnaud, M., Cunin, P., 2017. A dual pathways transfer model to account for changes in the radioactive caesium level in demersal and pelagic fish after the Fukushima Dai-ichi nuclear power plant accident. *PLoS One* 12. <https://doi.org/10.1371/journal.pone.0172442>
- Habibi, A., Cariou, N., Boulet, B., Cossonnet, C., Gurriaran, R., Gleizes, M., Cote, G., Larivière, D., 2017. Automated chromatographic separation coupled on-line to ICP-MS measurements for the quantification of actinides and radiostrontium in soil samples. *J. Radioanal. Nucl. Chem.* 314, 127–139. <https://doi.org/10.1007/s10967-017-5360-5>

- Naulier, M., Eyrolle-Boyer, F., Boyer, P., Métivier, J.-M., Onda, Y., 2017. Particulate organic matter in rivers of Fukushima: An unexpected carrier phase for radiocesiums. *Sci. Total Environ.* 579, 1560–1571. <https://doi.org/10.1016/j.scitotenv.2016.11.165>
- Paradis, H., de Vismes Ott, A., Cagnat, X., Piquemal, F., Gurriaran, R., 2017. Leda: A gamma-gamma coincidence spectrometer for the measurement of environment samples. *Appl. Radiat. Isot.* 126, 179–184. <https://doi.org/10.1016/j.apradiso.2016.12.049>
- Zebracki, M., Cagnat, X., Gairoard, S., Cariou, N., Eyrolle-Boyer, F., Boulet, B., Antonelli, C., 2017. U isotopes distribution in the Lower Rhone River and its implication on radionuclides disequilibrium within the decay series. *J. Environ. Radioact.* 178–179, 279–289.