

PUBLICATIONS (Peer-reviewed journals)**2023**

- P7** J. Vaz-Ramos, M. Mascles, A. Becker, D. Bourgain, A. Grandjean, S. Bégin-Colin, F. Amiet, D. Bazin, S. Le Calvé*, *Development of an Online Instrument for Continuous Gaseous PAH Quantification: Laboratory Evaluation and Comparison with The Offline Reference UHPLC-Fluorescence Method*, *Chemosensors*, 11, 496, **2023**. DOI: 10.3390/chemosensors11090496.
- P6** J. Vaz-Ramos, D. Bégin, P. Duenas-Ramirez, A. Becker, M. Galmiche, M. Millet, S. Bégin-Colin*, S. Le Calvé*, *Magnetic few-layers graphene composites for the highly efficient removal of benzo(a)pyrene from water*, *Environmental Science: nano*, 10, 1660-1675, **2023**. DOI: 10.1039/D3EN00047H.
- P5** C. Trocquet, I. Lara-Ibeas, A. Becker, A. Schulz, P. Bernhardt, V. Person, B. Cormerais, S. Englaro et S. Le Calvé*, *Continuous real-time monitoring of formaldehyde over 5 weeks in two French primary schools: identification of the relevant time resolution and the most appropriate ventilation scenario*, *Air Quality, Atmosphere & Health*, 16, 1091–1115, **2023**. DOI: 10.1007/s11869-023-01328-x.

2022

- P4** A. Becker, N. Israfilov, E. Ehrstein, I. Lara-Ibeas, J.-M. Planeix, B. Louis, S. Le Calvé*, *Adsorption of gaseous formaldehyde on Y zeolites and on Metal-Organic Frameworks*, *Microporous and Mesoporous Materials*, 343, 112136, **2022**. DOI: 10.1016/j.micromeso.2022.112136.
- P3** A. Becker, N. Lohmann, C. Serra, S. Le Calvé*, *Development of a Portable and Modular Gas Generator: Application to Formaldehyde Analysis*, *Chemosensors*, 10, 131, **2022**. DOI: 10.3390/chemosensors10040131.

2020

- P2** A. Becker, C. Andrikopoulou, P. Bernhardt, R. Ocampo, C. Trocquet, S. Le Calvé*, *On-line gaseous formaldehyde detection based on a closed-microfluidic-circuit analysis*, *Chemosensors*, 8 (3), 57, **2020**. DOI: 10.3390/chemosensors8030057.

2019

- P1** A. Becker, C. Andrikopoulou, P. Bernhardt, R. Ocampo, C. Trocquet, S. Le Calvé*, *Development and Optimization of an Airborne Formaldehyde Microfluidic Analytical Device Based on Passive Uptake through a Microporous Tube*, *Micromachines*, 10(12), 807, **2019**. DOI: 10.3390/mi10120807.