

**PUBLICATIONS (Reuves à comité de lecture)**

\* Auteur chargé de la correspondance.

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**2024**

- P119** A. Grandjean, A. Becker, C. Kustner, M. Wolf, C. Sutter, R. Severac, J.-P. Amiet, D. Bazin, S. Le Calvé\*, *Portable temperature-controlled permeation device for the generation of formaldehyde gas standard*, *Microchemical journal*, 206, 111544, **2024**. DOI: 10.1016/j.microc.2024.111544.
- P118** J. Vaz-Ramos, T. Lucante, J.-M. Greneche, C. Leuvrey, V. Papaefthymiou, S. Zafeiratos, A. Carton, D. Bégin, S. Le Calvé, S. Bégin-Colin\*, *Impact of Tannic Acid on Iron Oxide Nanoclusters Synthesized by a Polyol Solvothermal Method*, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2024**. DOI: 10.2139/ssrn.4683656.

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**2023**

- P117** M. Galmiche, O. Delhomme, S. Le Calvé, Y.-N. François, M. Millet, High levels of polycyclic aromatic compounds in outdoor and indoor PM10 of an urban residential environment during a winter pollution event in Strasbourg, France, *Air Quality, Atmosphere & Health*, **2023**. DOI:10.1007/s11869-023-01476-0.
- P116** 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.
- P115** 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.
- P114** 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.
- P113** P. Duenas Ramirez, C. Lee, R. Fedderwitz, A. Regina Clavijo de Souza, D. Pires Porto Barbosa, M. Julliot, J. Vaz-Ramos, D. Bégin, S. Le Calvé, A. Zalowski, P. Choquet, M. Aparecida Godoy Soler, D. Mertz, P. Kofinas, Y. Piao, S. Bégin-Colin, *Phosphate capture enhancement using designed iron oxide-based nanostructures*, *Nanomaterials*, 13 (3), 587, **2023**. DOI: 10.3390/nano13030587.

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**2022**

- P112** F. Ramadhan Nursanto, J. Vaz-Ramos, O. Delhomme, S. Bégin, S. Le Calvé\*, *Simultaneous monitoring of outdoor PAHs and particles in French peri-urban site during winter Saharan dust event*, *Atmosphere*, 13 (9), 1435, **2022**. DOI: 10.3390/atmos13091435.

- P111** T. Mokalled\*, S. Le Calvé, N. Badaro-Salibaa, M. Abboud, R. Zaarour, W. Farah, J. Adjizian-Gérard, *Atmospheric Dispersion Modelling of Gaseous Emissions from Beirut—International Airport Activities*, AIMS Environmental Science, 9(5), 553-572 **2022**. DOI: 10.3934/environsci.2022033.
- P110** A. Grandjean\*, D. Bazin, F. Amiet, S. Le Calvé, *Comparison of two Analytical Systems for Continuous Monitoring of ppb to ppm-levels of Formaldehyde in Air*, Chemical Engineering Transactions, 95, 67-72, **2022**. DOI: 10.3303/CET2295012.
- P109** 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.
- P108** 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.
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### 2021

- P107** I. Lara-Ibeas, A. Rodriguez-Cuevas, S. Le Calvé\*, *Recent developments and trends in miniaturized gas preconcentrators for portable VOC detection: a review*, Sensors and Actuators B, 346, 130449, **2021**. DOI: 10.1016/j.snb.2021.130449.
- P106** F. Noël, C. Serra, C. Trocquet, S. Le Calvé\*. *Experimental validation of a novel generator of gas mixtures based on axial gas pulses micromixer*, Micromachines, 12, 715, **2021**. DOI: 10.3390/mi12060715.
- P105** V. Feigenbrugel, S. Le Calvé\*, *Temperature Dependence of Henry's Law Constants of Fenpropidin and Pyrimethanil: Impact on their Atmospheric Partitionnings and Lifetimes*, Journal of Environmental Science and Public Health, 5 (1), 169-188, **2021**. DOI: 10.26502/jesph.96120124.
- P104** S. Khan, D. Newport, S. Le Calvé\*, *A Sensitive and Portable deep-UV Absorbance Detector with a Microliter Gas Cell Compatible with Micro GC*, Chemosensors, 9 (4), 63, **2021**. DOI: 10.3390/chemosensors9040063. (Selected by the editors as the issue cover: <https://www.mdpi.com/2227-9040/9>)
- P103** T. Mokalled, J. Adjizian Gérard, M. Abboud, C. Liaud, R. Nassreddine, S. Le Calvé, *An Assessment of Indoor Air Quality in the Arrivals Hall of Beirut-Rafic Hariri International Airport: Monitoring of VOCs and NO<sub>2</sub>*, Atmosphere, 12 (3), 400, **2021**. DOI:10.3390/atmos12030400.
- P102** C. Liaud, S. Chouvinc, S. Le Calvé\*, *Simultaneous monitoring of particle-bound PAHs inside a Low-Energy School Building and outdoors over two weeks in France*, Atmosphere, 12, 1, **2021**. DOI: 10.3390/atmos12010108.
- P101** A. Rodriguez-Cuevas, R.D. Brancher, F. Topin, S. Le Calvé, I. Graur\*, *Numerical simulation of the sorption phenomena during the transport of VOCs inside a capillary GC column*, Chemical Engineering Science, 224 (3), 116145, **2021**. DOI: 10.1016/j.ces.2021.116445.
- P100** C. Trocquet, I. Lara-Ibeas, A. Schulz, P. Bernhardt, B. Cormerais, S. Englaro et S. Le Calvé\*, *Continuous aldehydes monitoring in primary schools in France: evaluation of emission sources and ventilation practices over 5 weeks*, Atmospheric Pollution Research, 12 (1), 340-351, **2021**. DOI: 10.1016/j.apr.2020.09.005.
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- P99** A. Rodríguez-Cuevas, I. Lara-Ibeas, A. Leprince, M. Wolf, S. Le Calvé. *Easy-to-manufacture micro gas preconcentrator integrated in a portable GC for enhanced trace detection of BTEX*, Sensors and Actuators B, 324, 128690, **2020**. DOI: 10.1016/j.snb.2020.128690.
- P98** G. Coelho Rezende, S. Le Calvé, J. Brandner, D. Newport\*, *Characterization of a modular microfluidic photoionization detector*, Sensors and Actuators B: Chemical, 324, 1-10, **2020**. DOI: 10.1016/j.snb.2020.128667.
- P97** D. Mariuta, S. Colin, C. Barrot-Lattes, S. Le Calvé, J. G. Korvink, L. Baldas, J. J. Brandner\*, *Miniaturization of fluorescence sensing in optofluidic devices*, Microfluidics and nanofluidics, 24 (65), 1-28, **2020**. DOI: 10.1007/s10404-020-02371-1.
- P96** S. Khan, D. Newport, S. Le Calvé\*. *Low-Volume PEEK Gas Cell for BTEX Detection using Portable Deep-UV Absorption Spectrophotometry*, Spectrochimica Acta part A, 243, 1-7, **2020**. DOI: 10.1016/j.saa.2020.118727.
- P95** 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.
- P94** D. Mariuta, A. Govindaraji, S. Colin, C. Barrot-Lattes, S. Le Calvé, J. G. Korvink, L. Baldas, J. J. Brandner\*, *Optofluidic sensing of airborne formaldehyde: towards on-chip integration*, Micromachines, 11, 673, **2020**. DOI: 10.3390/mi11070673.
- P93** I. Lara-Ibeas, C. Megias-Sayago, B. Louis, S. Le Calvé\*, *Adsorptive removal of gaseous formaldehyde at realistic concentrations*, J. Environ. Chem. Engineering, 8 (4), 103986, **2020**. DOI: 10.1016/j.jece.2020.103986.
- P92** C. Megías-Sayago, I. Lara-Ibeas, Q. Wang, S. Le Calvé et B. Louis, *VOCs removal capacity of ZSM-5 zeolites: adsorbent design for near real-time BTEX detection*, ACS J. Environ. Chem. Engineering, 8 (2), 103724, **2020**. DOI: 10.1016/j.jece.2020.103724
- P91** D. Mariuta, L. Baldas, S. Colin, S. Le Calvé, J. G. Korvink and J. J. Brandner, *Prototyping a Miniaturized Microfluidic Sensor for Real-Time Detection of Airborne Formaldehyde*, International Journal of Chemical Engineering and Applications, 11(1), 23-28, **2020**. DOI: 10.18178/ijcea.2020.11.1.774
- P90** I. Lara-Ibeas, C. Megias-Sayago, A. Rodriguez-Cuevas, R. Ocampo-Torres, B. Louis, S. Colin, S. Le Calvé\*, *Adsorbent screening for airborne BTEX analysis and removal*, J. Environ. Chem. Engineering, 8 (2), 103563, **2020**. DOI: 10.1016/j.jece.2019.103563.
- P89** S. Khan, S. Le Calvé, D. Newport, *A Review of Optical Interferometry Techniques for VOC Detection*, Sensors Actuators A Phys., 302, 111782, **2020**. DOI: 10.1016/j.sna.2019.111782.
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- P88** C. Trocquet, P. Bernhardt, M. Guglielmino, I. Malandain, C. Liaud, S. Englaro, S. Le Calvé\*, *Near Real-Time Monitoring of Formaldehyde in a Low-Energy School Building*, Atmosphere, 10(12), 763, **2019**. DOI: 10.3390/atmos10120763.
- P87** A. Becker, C. Andrikopoulou, P. Bernhardt, R. Ocampo, C. Trocquet, S. Le Calvé\*, *On-line gaseous formaldehyde detection by a microfluidic analytical method based on*

*passive uptake through a microporous tube*, *Micromachines*, 10(12), 807, **2019**. DOI: 10.3390/mi10120807.

- P86** S. Khan, D. Newport, S. Le Calvé\*, *Gas Detection Using Portable Deep-UV Absorption Spectrophotometry: A Review*, *Sensors*, 19(23), 5210, **2019**. DOI: 10.3390/s19235210.
- P85** G. Coelho Rezende, S. Le Calvé, J. J. Brandner and D. Newport, *Micro Milled Microfluidic Photoionization Detector for Volatile Organic Compounds*, *Micromachines*, 10 (4), 228, **2019**. DOI: 10.3390/mi10040228.
- P84** F. Noël, C. Serra, S. Le Calvé. *Design of a novel axial gas pulses micromixer and simulations of its mixing abilities via computational fluid dynamics*, *Micromachines*, 10 (3), 205, **2019**. DOI: 10.3390/mi10030205
- P83** I. Lara-Ibeas, A. Rodríguez-Cuevas, C. Andrikopoulou, V. Person, L. Baldas, S. Colin, S. Le Calvé. *Sub-ppb Level Detection of BTEX Gaseous Mixtures with a Compact Prototype GC Equipped with a Preconcentration Unit*, *Micromachines*, 10 (3), 187, **2019**. DOI: 10.3390/mi10030187.
- P82** S. Khan, D. Newport, S. Le Calvé, *Development of a Toluene Detector Based on Deep UV Absorption Spectrophotometry Using Glass and Aluminum Capillary Tube Gas Cells with a LED Source*, *Micromachines*, 10 (3), 193, **2019**. DOI: 10.3390/mi10030193.
- P81** G. Coelho Rezende, S. Le Calvé, J. Brandner, D. Newport, *Micro Photoionization detectors*, *Sensors and Actuators B: Chemical*, 287, 86-94, **2019**. DOI: 10.1016/j.snb.2019.01.072.
- P80** T. Mokalled, J. Adjizian Gérard, M. Abboud, C. Liaud, R. Nasreddine, S. Le Calvé, *An Assessment of Indoor Air Quality in the Maintenance Room at Beirut-Rafic Hariri International Airport*, *Atmospheric Pollution Research*, 10, 701-711, **2019**. DOI: 10.1016/j.apr.2018.11.008.
- P79** T. Mokalled\*, J. Adjizian-Gérard, M. Abboud, C. Trocquet, R. Nasreddine, V. Person, S. Le Calvé, *VOC tracers from Aircraft Activities at Beirut Rafic Hariri International Airport*, *Atmospheric Pollution Research*, 10, 537-553, **2019**. DOI: 10.1016/j.apr.2018.09.009.
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- P78** I. Lara-Ibeas, C. Trocquet, R. Nasreddine, C. Andrikopoulou, V. Person, B. Cormerais, S. Englaro, S. Le Calvé, *BTEX near real-time monitoring in two primary schools in La Rochelle, France*, *Air Quality, Atmosphere & Health*, **2018**. DOI: 10.1007/s11869-018-0611-3.
- P77** T. Mokalled\*, S. Le Calvé, N. Badaro-Salibaa, M. Abboud, R. Zaaroura, W. Farah, J. Adjizian-Gérard, *Identifying the impact of Beirut Airport activities on local air quality - Part I: Emissions inventory of NO<sub>2</sub> and VOC*, *Atmos. Envir.*, 187, 435-444, **2018**. DOI: 10.1016/j.atmosenv.2018.04.036.
- P76** A. Allouch\*, M. Guglielmino, Ch. A. Serra, S. Le Calvé, *Optofluidic fluorescence cell for the detection of low concentration toxic gases*, *Sensors and Actuators B: Chemical*, 255, 3441-3346, **2018**. DOI: 10.1016/j.snb.2017.09.174.
- P75** I. Lara-Ibeas, C. Andrikopoulou, V. Person, A. Sharifi, D. Valougeorgis, S. Colin, S. Le Calvé, *Conception and development of microfabricated elements for microfluidic*

*analytical devices*, Multidisciplinary Digital Publishing Institute Proceedings, 8, 841, **2018**. DOI:10.3390/proceedings1080841.

- P74** S. Le Calvé, C. Trocquet, P. Bernhardt, *A Novel Microfluidic Formaldehyde Microanalyser for Continuous Real-Time Monitoring in Indoor Air: Analytical Development and Validation*, Multidisciplinary Digital Publishing Institute Proceedings, 8, 740, **2018**. DOI:10.3390/proceedings1080740.
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- P73** M. Guglielmino, C. Trocquet, Ch. A. Serra, S. Le Calvé\*, *On-line gaseous Formaldehyde detection by a microfluidic analytical method based on simultaneous uptake and derivatization in a temperature controlled annular flow*, Talanta, 72, 102-108, **2017**. DOI: 10.1016/j.talanta.2017.05.038.
- P72** M. Guglielmino A. Allouch, Ch. A. Serra, S. Le Calvé\*, *Development of microfluidic analytical method for on-line gaseous formaldehyde detection*, Sensors and Actuators B Chemical, 243, 963–970, **2017**. DOI: 10.1016/j.snb.2016.11.093.
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- P71** H. Fathallah, V. Lecuire, E. Rondeau, S. Le Calvé, *Smart Badge for Monitoring Formaldehyde Exposure Concentration*, In book: Sustainable Ecological Engineering Design, pp.111-123, **2016**. DOI: 10.1007/978-3-319-32646-7\_9.
- P70** M. Rizk, M. Verrielle, M. Mendez, N. Blond, S. Dusanter, C. Schoemaeker, P. Blondeau, S. Le Calvé, N. Locoge\*, *Data on comparison between FLEC and CLIMPAQ methods used for fast sorption measurements of VOCs on building materials*, Data in Brief, 7, 518-523, **2016**. DOI: 10.1016/j.dib.2016.02.072.
- P69** M. Rizk, M. Verrielle, S. Dusanter, C. Schoemaeker, S. Le Calvé, N. Locoge\*, *Fast Sorption Measurements of VOCs on Building Materials: Part 2 - Comparison between FLEC and CLIMPAQ Methods*, Building and Environment, 99, 239–251, **2016**, DOI: 10.1016/j.buildenv.2015.12.016.
- P68** M. Rizk, M. Verrielle, S. Dusanter, C. Schoemaeker, S. Le Calvé, N. Locoge\*, *Fast sorption measurements of volatile organic compounds on building materials: Part 1 - Methodology developed for field applications*, Data in Brief, 6, 953-958, **2016**. DOI: 10.1016/j.dib.2016.01.011.
- P67** M. Rizk, M. Verrielle, S. Dusanter, C. Schoemaeker, S. Le Calvé, N. Locoge\*, *Fast sorption measurements of volatile organic compounds on building materials: Part 1 - Methodology developed for field applications*, Building and Environment, 99, 200–209, **2016**, DOI: 10.1016/j.buildenv.2015.12.017.
- P66** R. Nasreddine, V. Person, C. Serra, C. Schoemaeker, S. Le Calvé\*, *Portable novel micro-device for BTEX real-time monitoring: assessment during a field campaign in a low consumption energy junior high school classroom*, Atmos. Envir., 126, 211-217, **2016**, DOI: 10.1016/j.atmosenv.2015.11.005.
- P65** R. Nasreddine, V. Person, C. Serra, S. Le Calvé\*, *Development of a novel portable miniaturized GC for near real-time low-level detection of BTEX*, Sensors and Actuators B Chemical, 224, 159-169, **2016**. DOI: 10.1016/j.snb.2015.09.077.
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- P64** P. Garra, C. Maschowski, C. Liaud, A. Dierterlen, G. Trouvé, S. Le Calvé, J.L. Jaffrezo, G. Leysens, C. Schönnenbeck, S. Hohler, R. Gieré, *A novel approach to estimate total*

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- P63** M. Rizk, M. Verrielle, M. Mendez, S. Dusanter, C. Schoemaeker, S. Le Calvé, N. Locoge, *In-situ measurements of sorption parameters with a field and laboratory emission cell (FLEC): A comparison to the test emission chamber method*, *WIT Transactions on Ecology and the Environment*; 198, 329-335, **2015**. DOI: 10.2495/AIR150281.
- P62** S. Azizi, G. Ulrich, M. Guglielmino, S. Le Calvé, J. P. Hagon, A. Harriman\*, R. Ziessel\*, *Photo-induced Proton Transfer Promoted by Peripheral Subunits for Some Hantzsch Esters*, *J. Phys. Chem A*, *J. Phys. Chem. A*, 119 (1), 39–49, **2015**. DOI: 10.1021/jp5078246.
- P61** C. Liaud, T. Dintzer, G. Trouvé, V. Tschamber, S. Le Calvé\*, *Particle-bound PAHs quantification using a 3-stages Cascade Impactor in French indoor environments*, *Environ. Pollution*, 195C, 64-72. DOI: 10.1016/j.envpol.2014.08.007. **2015**.
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- P60** M. Guglielmino\*, A. Allouch, P. Bernhardt, Ch. A. Serra, S. Le Calvé, *Développement d'une nouvelle méthode analytique microfluidique pour la détection et la quantification du méthanal gazeux*, *Actualité chimique*, 390, 1-2, **2014**.
- P59** C. Liaud, M. Millet, S. Le Calvé\*, *Development of an analytical method to quantify traces of Particle-bound PAHs in air*, *Talanta*, DOI: 10.1016/j.talanta.2014.05.027, **2014**.
- P58** C. Liaud, N. Nguyen, S. Le Calvé\*, *Experimental study of a transportable GC-PID and two thermo-desorption based methods coupled to FID and MS detection to assess BTEX exposure at sub-ppb level in air*, *Talanta*, 127, 33-42, **2014**. DOI: 10.1016/j.talanta.2014.04.001
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- P57** A. Allouch, S. Le Calvé\*, Ch. A. Serra\*, *Portable, miniature, fast and high sensitive real-time analyzers: BTEX detection*, *Sensors and Actuators B Chemical*, 182, 446-452, **2013**. DOI: 10.1016/j.snb.2013.03.010.
- P56** A. Allouch, M. Guglielmino, P. Bernhardt, Ch. A. Serra\*, S. Le Calvé\*, *Portable, miniature, fast and high sensitive near real-time analyzers: formaldehyde detection*, *Sensors and Actuators B: chemistry*, 181, 551-558, **2013**. DOI: 10.1016/j.snb.2013.02.043.
- P55** P.E. Kastner, S. Le Calvé, W. Zheng, A. Casset, F. Pons\*. *A dynamic system for single and repeated exposure of airway epithelial cells to gaseous pollutants*. *Toxicology In Vitro*, 27, 632-640, **2013**. DOI: 10.1016/j.tiv.2012.11.011.
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- P53** L. allou, L. El Maimouni, S. Le Calvé\*, *Henry's Law Constant measurements for formaldehyde and benzaldehyde as a function of temperature and water composition*, Atmos. Environ., Atmos. Environ., 45, 2991-2998, **2011**. DOI: 10.1016/j.atmosenv.2010.05.044.
- P52** Muñoz A, Le Person A., Le Calvé S., Mellouki A, Borrás E, Daële V, Vera T., *Studies on atmospheric degradation of diazinon in the EUPHORE simulation chamber*, Chemosphere, 85(5), 724-30, **2011**. DOI: 10.1016/j.chemosphere.2011.06.044.
- P51** PE Kastner, S Le Calvé, A Casset, W Zheng, F Pons, *Exposure of airway epithelial cells in culture to a mixture of gaseous pollutants: Impact on cell integrity*, Toxicology Letters, 205, S123, **2011**.
- P50** P.E. Kastner, S. Le Calvé, L Diss, V. Sauveplane, R. Franke, L. Schreiber, F. Pinot \* *Specific accumulation of CYP94A1 transcripts after exposure to gaseous benzaldehyde: induction of lauric acid  $\omega$ -hydroxylase activity in Vicia sativa exposed to atmospheric pollutants*, Environ. Research, 111, 37-44, **2011**. DOI: 10.1016/j.envres.2010.09.014.
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- P48** L. Poulain\*, Y. Katrib, E. Isikli, Y. Liu, H. Wortham, Ph. Mirabel, S. Le Calvé, A. Monod, *In-cloud multiphase behaviour of acetone in the troposphere: gas uptake, Henry's law equilibrium and aqueous phase photooxidation*, Chemosphere, 81, 312-320, **2010**. DOI: 10.1016/j.chemosphere.2010.07.032.
- P47** M. Petitjean, G. Hantal, C. Chauvin, Ph. Mirabel, S. Le Calvé \*, P.N.M. Hoang, S. Picaud\*, P. Jedlovszky\*, *Adsorption of Benzaldehyde at the Surface of Ice, Studied by Experimental Method and Computer Simulation*, Langmuir, 26, 9596-9606, **2010**. DOI: 10.1021/la100169h.
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- P43** L. Allou, C. Marchand, S. Le Calvé \*, Ph. Mirabel, *Aldehydes and BTEX measurements and exposures in university libraries in Strasbourg (France)*, Indoor Build Environment, 17, 138-145, **2008**. DOI: 10.1177/1420326X08089547

- P42** C. Marchand, S. Le Calvé \*, Ph. Mirabel, N. Glasser, A. Casset, N. Schneider, F. de Blay, *Indoor aldehydes concentrations and determinants in 162 homes in Strasbourg (France)*, Atmos. Environ., 42, 505-516, **2008**. DOI: 10.1016/j.atmosenv.2007.09.054.
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- P38** M. Kerbrat, S. Le Calvé \*, Ph. Mirabel, *Uptake measurements of ethanol on ice surfaces and on supercooled aqueous solutions doped with nitric acid between 213 and 243 K*, J. Phys. Chem. A, 111, 925-931, **2007**. DOI: 10.1021/jp0635011.
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