

**Liste des publications**  
**Equipe de physico-chimie de l'atmosphère**  
**Période 2013-2018**

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**Publications de 2019 (n=4)**

- G. Coelho Rezende, S. Le Calvé, J. Brandner, D. Newport, *Micro Photoionization detectors*, Sensors and Actuators B: Chemical, 287, 86-94, **2019**. <https://doi.org/10.1016/j.snb.2019.01.072>
- 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, *Micromachines*, pp. 1–10, **2019**, sous presse.
- J. Al-Alam, Z. Fajloun, A. Chbani, M. Millet, Environmental biomonitors of environmental pollution– A review, *Environmental Science and Pollution Research*, **2019**, en révision.
- R. Béranger, E. Billoir, J.R. Nuckols, J. Blain, M. Millet, M.-L. Bayle, B. Combourieu, Th. Philip, J. Schüz, B. Fervers, Agricultural and domestic pesticides in house dust from different agricultural areas in France, *Environmental Science and Pollution Research*, **2019**, en révision.
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**Publications de 2018 (n=15)**

- 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.
- 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*, 11, 1091–1107, **2018**. DOI: 10.1007/s11869-018-0611-3.
- 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, 537-551, **2018**. DOI: 10.1016/j.apr.2018.09.009.
- T. Mokalled, J. Adjizian Gérard, M. Abboud, C. Liaud, R. Nassreddine, S. Le Calvé, An Assessment of Indoor Air Quality in the Maintenance Room at Beirut-Rafic Hariri International Airport, *Atmospheric Pollution Research*, **2018**, sous presse. DOI: 10.1016/j.apr.2018.11.008.
- G. Coelho Rezende, S. Le Calvé, J. Brandner, D. Newport, *Micro Photoionization detectors*, Sensors and Actuators B: Chemical, **2018**, sous presse, DOI: 10.1016/j.snb.2019.01.072.
- V. Lucaire, J.-J. Schwartz, O. Delhomme, R. Ocampo-Torres, M. Millet, A sensitive method using SPME pre-concentration for the quantification of aromatic amines in indoor air, *Analytical and Bioanalytical Chemistry*, 410(7), 1955-1963, **2018**.
- H. Toumi, M. Boumaiza, M. Millet, Cl. M. Radetski, B. I. Camara, V. Felten, J.-F. Masfaraud, J.-F. Féraud, Binary mixtures ecotoxicity of malathion and deltamethrin to *Daphnia magna* (Crustacea, Cladocera), *Environmental Science and Pollution Research*, 25, 17781–17788, **2018**.

- Y. Samir Jabaly, M. El-Hoz, M. Millet, Optimization of a gas chromatography-Ion Trap Tandem mass spectrometry (GC-ITMS/MS) method for the determination of 16 Polycyclic Aromatic Hydrocarbons (PAHs) in water by solid-phase microextraction, *Euro-Mediterranean Journal for Environmental Integration*, 3, Article 24, **2018**.
- M. Lévy, J. Al-Alam, C. Ridacker, S. Massemin, M. Millet, The use of XAD<sup>®</sup>-2 passive air samplers for monitoring environmental trends of PAHs, PCBs and pesticides in three different sites in Strasbourg and its vicinity (east of France), *Atmospheric Environment*, 195, 12-23, **2018**.
- J. Al-Alam, Z. Fajloun, A. Chbani, M. Millet, Determination of 16 PAHs and 22 PCBs in honey samples originated from different region of Lebanon and used as environmental biomonitors sentinel, *Journal of Environmental Science and Health, Part A*, 10, 1-7, **2018**.
- G. L. Christeson, S. P. S. Gulick, J. V. Morgan, C. Gebhardt, D. A. Kring, E. Le Ber, J. Lofi, C. Nixon, M. H. Poelchau, A. S. P. Rae, M. Rebolledo-Vieyra, U. Riller, D. R. Schmitt, A. Wittmann, T. J. Bralower, E. Chenot, P. Claeys, C. S. Cockell, M. J. L. Coolen, L. Ferriere, S. Green, K. Goto, H. Jones, C. M. Lowery, C. Mellett, R. Ocampo-Torres, L. Perez-Cruz, A. E. Pickersgill, C. Rasmussen, H. Sato, J. Smit, S. M. Tikoo, N. Tomioka, J. Urrutia-Fucugauchi, M. T. Whalen, L. Xiao, and K. E. Yamaguchi, *Earth and Planetary Science Letters*, 495,1-11, **2018**.
- Ferriere, C. Gebhardt, K. Goto, D. A. Kring, J. Lofi, R. Ocampo-Torres, L. Perez-Cruz, A. E. Pickersgill, M. H. Poelchau, A. S. P. Rae, C. Rasmussen, M. Rebolledo-Vieyra, U. Riller, H. Sato, S. M. Tikoo, N. Tomioka, J. Urrutia-Fucugauchi, J. Vellekoop, A. Wittmann, L. Xiao, K. E. Yamaguchi, and W. Zylberman, L., Rapid recovery of life at ground zero of the end-Cretaceous mass extinction, *Nature*, 558, 288-291, **2018**.
- U. Riller, M. H. Poelchau, A. S. P. Rae, F. M. Schulte, G. S. Collins, H. J. Melosh, J. V. Morgan, S. P. S. Gulick, J. Lofi, A. Diaw, N. Mccall, D. A. Kring, S. Green, E. Chenot, G. L. Christeson, P. Claeys, C. S. Cockell, M. J. L. Coolen, L. Ferriere, C. Gebhardt, K. Goto, H. Jones, L. Xiao, C. M. Lowery, R. Ocampo-Torres, L. Perez-Cruz, A. E. Pickersgill, C. Rasmussen, M. Rebolledo-Vieyra, H. Sato, J. Smit, S. M. Tikoo, N. Tomioka, M. T. Whalen, A. Wittmann, J. Urrutia-Fucugauchi, J. Vellekoop, and T. J. Bralower, *Nature*, 562, 511-518, **2018**.
- J. Lofi, D. Smith, C. Delahunty, E. Le Ber, L. Brun, G. Henry, J. Paris, S. Tikoo, W. Zylberman, P. A. Pezard, B. Celerier, D. R. Schmitt, C. Nixon, S. P. S. Gulick, J. V. Morgan, E. Chenot, G. L. Christeson, P. Claeys, C. S. Cockell, M. J. L. Coolen, L. Ferriere, C. Gebhardt, K. Goto, S. Green, H. Jones, D. A. Kring, C.M. Lowery, C. Mellett, R. Ocampo-Torres, L. Perez-Cruz, A. E. Pickersgill, M. Poelchau, A. S. P. Rae, C. Rasmussen, M. Rebolledo-Vieyra, U. Riller, H. Sato, J. Smit, N. Tomioka, J. Urrutia-Fucugauchi, M. T. Whalen, A. Wittmann, L. Xiao, K. E. Yamaguchi, T. J. Bralower, Drilling-induced and logging-related features illustrated from IODP Expedition 364 downhole logs and borehole imaging tools, *Scientific Drilling*, 24,1-13, **2018**.

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#### Publications de 2017 (n=16)

- 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**. <http://dx.doi.org/10.1016/j.snb.2016.11.093>.

- 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.
- 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, **2017**. <https://doi.org/10.1016/j.snb.2017.09.174>.
- J. Al-Alam, Z. Fajloun, A. Chbani , M. Millet, The use of conifers needles as biomonitors candidates for the study of temporal air pollution variation in Strasbourg region, *Chemosphere*, 168, 1411-1421, **2017**.
- J. Al-Alam, L. Bom, Z. Fajloun, A. Chbani , M. Millet, Coupling HPLC with UV detection and Flame Atomic Absorption Spectroscopy for the analysis and identification of dithiocarbamates fungicides in vegetable matrices, *Journal of Chromatographic Science*, 55 (4): 429-435, **2017**.
- A.X.R. Corrêa, R.C. Testolin, M.M. Torres, S. Cotellet, J.-J. Schwartz, M. Millet, C.M. Radetski, Ecotoxicity assessment of particulate matter emitted from heavy-duty diesel-powered vehicles: is the pH of the leaching process important to represent environmental leaching conditions?, *Environmental Science and Pollution Research*, 24(10), 9399-9406, **2017**.
- C. Liaud, J.-J. Schwartz, R. Ocampo, O. Delhomme, M. Millet, Temporal variations of atmospheric PAHs in an urban area (Strasbourg, France) by using long duration High-Volume sampling, *Polycyclic Aromatic Compounds*, 37 (2-3), 122-127, **2017**.
- A. Sonnette, M. Millet, R. Ocampo, L. Alleman, P. Coddeville, Tenax-TA spiking approach of thermal desorption coupled to GC-MSMS for the quantification of PAHs in indoor air and dust, *Polycyclic Aromatic Compounds*, 37 (2-3), 170-177, **2017**.
- M. Lévy, E. Fournier, Y. Heyrich, M. Millet, Coupling ASE, SPE and SPME for the extraction and quantification of PAH in passive samplers and biological materials (pine needles), *Polycyclic Aromatic Compounds*, 37 (2-3), 178-188, **2017**.
- C. Liaud, J.-J. Schwartz, M. Millet, Comparison of atmospheric concentrations of current-used pesticides and lindane between urban and rural areas during intensive application period in Alsace (France) by using XAD-2® based passive samplers, *Journal of Environmental Science and Health, Part B*, 52(7), 458-465, **2017**.
- J. Al-Alam, Z. Fajloun, A. Chbani , M. Millet, A multi-residue method for the analysis of 90 pesticides, 16 PAHs and 22 PCBs in honey using QuEChERS-SPME, *Analytical and Bioanalytical Chemistry*, 409, 5157-5169, **2017**.
- J. Gasperi, C. Sébastien, V. Ruban, M. Delamain, S. Percot, L. Wiest, C. Mirande, E. Caupos, D. Demare, M. Diallo Kesso, M. Saad, J.J. Schwartz, P. Dubois, C. Fratta, H. Wolff, R. Moillon, G. Chebbo, C. Cren, M. Millet, S. Barraud, M.-C. Gromaire, Contamination des eaux pluviales par les micropolluants : avancées du projet INOGEV (Micropollutant in stormwater: findings of the Inogev research program), *Techniques, Sciences Méthodes (TSM)*, 7-8, 51–70, 2017.
- J. Al-Alam, Z. Fajloun, A. Chbani , M. Millet, The use of honey as environmental biomonitor of pesticides contamination in Lebanon, *Euro-Mediterranean Journal for Environmental Integration*, 2, Article 23 (pp. 2-7), **2017**.

- M. Lefrancq, S. Payraudeau, B. Guyot, M. Millet, G. Imfeld, Degradation and transport of the chiral herbicide S-metolachlor at the catchment scale: combining observation scales and analytical approaches, *Environmental science and Technology*, 51 (22), 13231–13240, **2017**.
- V. Vargas, J. Castillo, R. Ocampo Torres, B. Broussiere, Ch-Ph. Lienneman, Development of a chromatographic methodology for the separation and quantification of V, Ni and S compounds in petroleum products, *Fuel Processing Technology*, 162, 37-44, **2017**.
- N Artemieva, J. Morgan, S. P. S. Gulick, E. Chenot, G. L. Christeson, P. Claeys, C. S. Cockell, M. J. L. Coolen, L. Ferrière, C. Gebhardt, K. Goto, S. Green, H. Jones, D. A. Kring, J. Lofi, C. M. Lowery, R. Ocampo-Torres, L. Perez-Cruz, A. E. Pickersgill, M. Poelchau, A. S. P. Rae, C. Rasmussen, M. Rebolledo-Vieyra, U. Riller, H. Sato, J. Smit, S. M. Tikoo, N. Tomioka, J. Urrutia-Fucugauchi, M. T. Whalen, A. Wittmann, L. Xiao, K. E. Yamaguchi, W. Zylberman, G. S. Collins and T. J. Bralower, Quantifying the release of climate-active gases by large meteorite with a case study of Chicxulub, *Geophysical Research Letters*, 44, 10180-10188, **2017**.
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#### Publications de 2016 (n=13)

- 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**.
- 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**.
- 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**.
- 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**.
- 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(C), **2016**.
- 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**.
- E. Maillard, J. Lange, S. Schrieber, J. Dollinger, B. Herbstritt, M. Millet, G. Imfeld, Dissipation of hydrological tracers and the herbicide S-metolachlor in batch and continuous-flow wetlands, *Chemosphere*, 144, 2489-2496, **2016**.
- C. Raeppl, G. Salquebre, M. Millet, B.M.R. Appenzeller, Comparison of hair pesticides contamination of inhabitants from contrasted homes, *Science Total Environment*, 544, 845-852, **2016**.
- A. Lopez, M. Millet, Cl. Coscolla, V. Yusa, Retrospective screening of pesticide metabolites in ambient air using liquid chromatography coupled to high-resolution mass spectrometry, *Talanta*, 150, .27-36, **2016**.

- A. X. R. Corrêa, S. Cotelle, M. Millet, C. A. Somensi, Th. M. Wagner, C. M. Radetski, Genotoxicity assessment of particulate matter emitted from heavy-duty diesel-powered vehicles using in vivo *Vicia faba* micronucleus test, *Ecotoxicology and Environmental Safety*, 127, 199-204, **2016**.
- H. Mokbel, E. Jamal Al Dine, A. Elmoll, C. Liaud, M. Millet, Simultaneous analysis of organochlorine pesticides and polychlorobiphenyls in air samples by using Accelerated Solvent Extraction (ASE) and Solid Phase Micro-Extraction (SPME) coupled to gas chromatography dual electron capture detection, *Environmental Science and Pollution Research*, 23, 8053-8063, **2016**.
- S. Percot, V. Ruban, P. Rouspard, D. Maro, M. Millet, A new method to assess the contribution of atmospheric deposition to stormwater metal load in a small urban catchment, *Water, Air and Soil Pollution*, 227, 180, **2016**.
- C. Liaud, M. Brucher, Cl. Schummer, Cl. Coscollà, H. Wolff, J.-J. Schwartz, V. Yusà, M. Millet, Application of long duration high-volume sampling coupled to SPME-GC-MS/MS for the assessment of airborne pesticides variability in an urban area (Strasbourg, France) during agricultural application, *Journal of Environmental Science and Health, Part B*, 51, 703-714, **2016**.
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#### Publications de 2015 (n=14)

- C. Liaud, M. Millet, S. Le Calvé\*, Development of an analytical method to quantify traces of Particle-bound PAHs in air, *Talanta*, 131, 386-394, **2015**.
- S. Azizi, G. Ulrich, M. Guglielmino, S. Le Calvé, J. P. Hagon, A. Harriman\*, R. Ziesel\*, *Photo-induced Proton Transfer Promoted by Peripheral Subunits for Some Hantzsch Esters*, *J. Phys. Chem. A*, 119 (1), 39-49, **2015**.
- 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**.
- 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 PAH contribution to particulate Matter from biomass burning using fluorescence microscopy*, *Aerosol Science & Technology*, 49, 1160-1169, **2015**.
- C. Raepffel, B.M.R. Appenzeller, M. Millet, Analysis of seven pyrethroids biocides and their synergist in indoor air by thermal-desorption gas chromatography/mass spectrometry after sampling on Tenax TA® passive tubes, *Talanta*, 131, 309-314, **2015**.
- H. Toumi, M. Boumaiza, M. Millet, Cl. M. Radetski, V. Felten, J.-F. Féraud, Can acetylcholinesterase be used as a biomarker to detect deltamethrin (pyrethrinoids insecticide) exposure with diverse strains of *Daphnia magna* (Crustacea, Cladocera)?, *Chemosphere*, 120, 351-356, **2015**.
- H. Toumi, M. Boumaiza, M. Millet, Cl. M. Radetski, B. I. Camara, V. Felten, J.-F. Féraud, Acute and chronic effects of an endocrine disruptor, malathion (organophosphorous pesticide), on three strains of *Daphnia magna* (Crustacea, Cladocera), *Journal of Environmental Science and Health Part B : Pesticides, Food Contaminants, and Agricultural Waste*, 50, 34-44, **2015**.

- C. Raepffel, M. Fabritius, M. Nief, B.M.R. Appenzeller, O. Briand, L. Tuduri M. Millet, Analysis of airborne pesticides from different chemical classes adsorbed on Radiello® Tenax® passive tubes by thermal-desorption-GC/MS, *Environmental science and Pollution Research*, 22, 2726-2734, **2015**.
- O. Elsayed, E. Maillard, S. Vuillemier, M. Millet, G. Imfeld, Degradation of chloroacetanilide herbicides and bacterial community composition in lab-scale wetlands, *Science of the Total Environment*, 520, 22-231, **2015**.
- V. Yusà, M. Millet, Cl. Coscollà, O. Pardo, M. Roca, Occurrence of biomarkers of pesticide exposure in non-invasive human specimens, *Chemosphere*, 139, 91-108, **2015**.
- J. Al-Alam, Z. Fajloun, A. Chbani, M. Millet, Contribution to the Food Products Analysis; Research and Hemolytic Effect Evaluation of some Pesticides Used in Lebanon, *Journal of Environmental Science and Health, Part B*, 50 (11), 788-796, **2015**.
- V. Yusà, M. Millet, Cl. Coscollà, M. Roca, Analytical methods for human biomonitoring of pesticides, *Analytica Chimica Acta*, 891, 15-31, **2015**.
- C.A. Somensi, A.L.F. Souza, E.L. Simionatto, P. Gaspareto, S.M. Almeida, M. Millet, C.M. Radetski, Evaluation of the efficiency of ozonolysis and ozonolysis/sonolysis treatments for the denaturation of genetic material present in hospital wastewaters, *Journal of Environmental Management*, 162, 74-80, **2015**.
- E. Jamal Al Dine, H. Mokbel, A. Elmoll, S. Massemin, S. Vuillemier, J. Toufaily, H. Hanieh, M. Millet, Concomitant evaluation of atmospheric levels of polychlorinated biphenyls, organochlorine pesticides and polycyclic aromatic hydrocarbons in Strasbourg (France) using pine needle passive samplers, *Environmental Science and Pollution Research*, 22, 17850-17859, **2015**.

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#### Publications de 2014 (n=7)

- C. Liaud, R. Nasreddine, 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**.
- 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**.
- 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, **2014**.
- Cl. Schummer, B. M. Appenzeller, M. Millet, Monitoring of spatial and temporal variations of Polycyclic aromatic Hydrocarbons (PAHs) in the atmosphere of southern Luxembourg using XAD-2 resin based passive samplers, *Environmental Science and Pollution Research*, 21, 2098–2107, **2014**.
- C. Raepffel, M. Fabritius, M. Nief, B.M.R. Appenzeller, M. Millet, Coupling ASE, silylation and SPME-GC/MS for the analysis of current-used pesticides in atmosphere, *Talanta*, 121, 24-29, **2014**.

- M. Lefrancq, S. Payraudeau, A. Joaquin Garcia Verdu, E. Maillard, M. Millet, G. Imfeld, Transport of cyazofamid and kresoxim methyl in runoff at the plot and catchment scales, *Environmental Science and Pollution Research*, 21(7), 4871-4882, **2014**.
- J. Gasperi, C. Sebastian, V. Ruban, S. Percot, L. Wiest, C. Mirande, E. Caupos, D. Demare, M. Diallo Kesso, M. Saad, J.-J. Schwartz, P. Dubois, C. Fratta, H. Wolff, R. Moilleron, G. Chebbo, C. Cren, M. Millet, S. Barraud, M.C. Gromaire, Micropollutant contamination of urban stormwater: new insights based on an extended French dataset, *Environmental Science and Pollution Research*, 21(8), 5267-5283, **2014**.
- V. Yusà, Cl. Coscollà, M. Millet, New screening approach to risk assessment of pesticides in ambient air. A pilot study in rural area of Spain, *Atmospheric Environment*, 96, 322-330, **2014**.
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### Publications de 2013 (n=8)

- 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**.
- A. Allouch, S. Le Calvé\*, Ch. A. Serra\*, *Portable, miniature, fast and high sensitive real-time analyzers: BTEX detection*, *Sensors and Actuators B Chemical*, 82, 446-452, **2013**.
- M. Lefrancq, G. Imfeld, S. Payraudeau, M. Millet, Kresoxim methyl deposition, drift and runoff in a vineyard catchment, *Science of the Total Environment*, 442, 503-508, **2013**.
- L. Janke, A.O.S. Lima, M. Millet, C.M. Radetski, Development and application of a methodology for a clean development mechanism to avoid methane emissions in closed landfills, *Environmental Technology*, 34(8), 2607-2616, **2013**.
- F. Gueguen, P. Stille, M. Millet, Optimisation and application of accelerated solvent extraction and flash chromatography for quantification of PCBs in tree barks and XAD-2 passive samplers using GC-ECD with dual columns, *Talanta*, 111 (15), 140-146, **2013**.
- S. Percot, V. Ruban, P. Rouspard, D. Maro, M. Millet, Beryllium-7 as a tracer of metals, pesticides and polycyclic aromatic hydrocarbons in urban aerosol in Nantes, France, *Atmospheric Environment*, 74, 338-345, **2013**.
- F. Gueguen, M. Millet, P. Stille, Persistent organic pollutants in the atmosphere from urban and industrial environments in the Rhine Valley: PCBs, PCDD/Fs, *Environmental Science and Pollution Research*, 20, 3852-3862, **2013**.
- H. Toumi, M. Boumaiza, M. Millet, Cl. M. Radetski, V. Felten, C. Fouque, J.-F. Féraud, Effects of deltamethrin (pyrethroid insecticide) on growth, reproduction, embryonic development and sex differentiation in two strains of *Daphnia magna* (Crustacea, Cladocera), *Science of The Total Environment*, 458, 47-53, **2013**.