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PUBLICATIONS

14 International Journal Publications

Marta Diez-Castellnou, Marie-Virginie Salvia, Sara Springhetti, Federico Rastrelli and Fabrizio Mancin

“Nanoparticle-Assisted Affinity NMR Spectroscopy: High Sensitivity Detection and Identification of Organic Molecules”

Chemistry - A European Journal (2016), 22, 16957-16963 (IF: 5.771).

Chandrashekar Patil, Christophe Calvayrac, Yuxiang Zhou, Sana Romdhane, Marie-Virginie Salvia, Jean-François Cooper, Franck E. Dayan, Cédric Bertrand

“Environmental Metabolomic Footprinting: a novel application to study the impact of a natural and synthetic β -triketone herbicide in soil”

Science of the Total Environment (2016) 566-567, 552-558 (IF: 3.976).

Marie-Virginie Salvia, Maëva Fieu, and Emmanuelle Vulliet.

“Determination of Tetracycline and Fluoroquinolone Antibiotics at Trace Levels I Sludge and Soil”

Applied and Environmental Soil Science (2015), <http://dx.doi.org/10.1155/2015/435741>, 10 pages (IF: 1.28).

Marie-Virginie Salvia, Giovanni Salassa, Federico Rastrelli and Fabrizio Mancin.

“Turning supramolecular receptors into chemosensors by Nanoparticle-Assisted “NMR chemosensing””

Journal of the American Chemical Society (2015) 137, 11399-11406 (IF: 13.038).

Andrea Piserchia, Micro Zerbetto, Marie-Virginie Salvia, Giovanni Salassa, Luca Gabrielli, Fabrizio Mancin, Federico Rastrelli, and Diego Frezzato.

“Conformational mobility in monolayer-protected nanoparticles: from torsional free energy profiles to NMR relaxation”

Journal of Physical Chemistry C (2015) 119, 20100-20110 (IF: 4.509).

Marie-Virginie Salvia, Federico Ramadori, Sara Springhetti, Marta Diez-Castellnou, Barbara Perrone, Federico Rastrelli and Fabrizio Mancin.

“Nanoparticle-Assisted NMR Detection of Organic Anions: From Chemosensing to Chromatography”

Journal of the American Chemical Society (2015) 137, 886-892 (IF: 13.038).

Marie-Virginie Salvia, Cécile Cren-Olivé, Laure Wiest, Robert Baudot and Emmanuelle Vulliet.

“Comparison of Two Analytical Methods for the Determination of Traces of Veterinary Antibiotics and Steroid Hormones in Soil Based on Pressurized Extraction (PLE) and Quick, Easy, Cheap, Effective, Rugged, Safe (Modified-Quechers) Extraction”

Pharmaceutica Analytica Acta (2014) 5, 1-9 (IF: 2.94).

Hasan Y. Alniss, Marie-Virginie Salvia, Mykhailo Sadikov, Igor Golovchenko, Nahoum G. Anthony, Abedawn I. Khalaf, Simon P. MacKay, Colin J. Suckling, and John A. Parkinson.

“Recognition of the DNA Minor Groove by Thiazotropsin Analogues”

ChemBioChem (2014) 15, 1978-1990 (IF: 2.850).

Marie-Virginie Salvia, Julie Experton, Claire Geandel, Cécile Cren-Olivé, Emmanuelle Vulliet.

“Fate of pharmaceutical compounds and steroid hormones in soil: study of transfer and degradation in soil columns”

Environmental Science and Pollution Research (2014) 21, 10525-10535 (IF: 2.760).

Ning Sui, Virginie Monnier, Marie-Virginie Salvia, Yann Chevolot, Eliane Souteyrand.

"Magnetic and optical properties of Ag@SiO₂-FITC-Fe₃O₄ hybrid nanoparticles"

Materials Science and Engineering B (2014) 182, 92-95 (IF: 2.331).

Marie-Virginie Salvia, Cécile Cren-Olivé, Emmanuelle Vulliet.

"Statistical evaluation of the influence of soil properties on recoveries and matrix effects during the analysis of pharmaceutical compounds and steroids by quick, easy, cheap, effective, rugged and safe extraction followed by liquid chromatography-tandem mass spectrometry"

Journal Of Chromatography A (2013) 1315, 53-60 (IF: 3.926).

Marie-Virginie Salvia, Fiona Addison, Hasan Y. Alniss, Niklaas J. Buurma, Abedawn I. Khalaf, Simon P. Mackay, Nahoum G. Anthony, Colin J. Suckling, Maxim P. Evstigneev, Adrian Hernandez Santiago, Roger D. Waigh and John A. Parkinson.

"Thiazotropsin aggregation and its relationship to molecular recognition in the DNA minor groove"

Biophysical Chemistry (2013) 179, 1-11 (IF: 2.363).

Marie-Virginie Salvia, Emmanuelle Vulliet, Laure Wiest, Robert Baudot, Cécile Cren-Olivé.

"Development of a multi-residue method using acetonitrile-based extraction followed by liquid chromatography-tandem mass spectrometry for the analysis of steroids and veterinary and human drugs at traces levels in soil"

Journal Of Chromatography A (2012) 1245, 122-133 (IF: 3.926).

David Hazafy, Marie-Virginie Salvia, Andrew Mills, Michael G. Hutchings, Maxim P. Evstigneev and John A. Parkinson.

"NMR analysis of Nile Blue (C. I. Basic Blue 12) and Thionine (C. I. 52000) in solution"

Dyes and Pigments (2011) 88, 315-325 (IF: 4.055).

COMMUNICATIONS

25 Conference Communications

- *International Conferences (13)*

M.V. Salvia, A. Ben Jrad, D. Raviglione, C. Bertrand. Comparison of the impact of a bio-insecticide and a synthetic insecticide on sediment using Environmental Metabolic Footprintig (EMF). *Natural products and Biocontrol 2016*, Perpignan, 21-23 September 2016.

M.V. Salvia, M. Diez-Castellnou, F. Rastrelli, F. Mancin. NMR chemosensing with monolayer-protected nanoparticles. *Euromar 2015*, Prague, 5-10 July 2015.

M.V. Salvia, F. Ramadori, S. Springhetti, M. Diez-Castellnou, B. Perrone, M. Lelli, F. Rastrelli, F. Mancin. NMR with nanoparticles : molecular sensing and chromatography. *Euromar 2015*, Prague, 5-10 July 2015.

M.V. Salvia, S. Springhetti, F. Ramadori, G. Salassa, F. Rastrelli and F. Mancin. Detection and identification of organic anions and cations by NMR chemosensing. *Euromar 2014*, ETH Zürich, 29 June-3 July 2014.

M.V. Salvia, B. Perrone, S. Springhetti, F. Ramadori, F. Rastrelli and F. Mancin. Nanoparticles assisted NMR: from sensing to chromatography. *Euromar 2014*, ETH Zürich, 29 June-3 July 2014.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Behavior of steroids and veterinary antibiotics in soil: study of transfer and degradation in soil columns. *37th International Symposium on Environmental Analytical Chemistry*, Anvers, 22-25 May 2012.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Development of an analytical method for the determination of emergent contaminants in soil. *37th International Symposium on Environmental Analytical Chemistry*, Anvers, 22-25 May 2012.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Analysis of steroids and veterinary antibiotics in soil using QuEChERS extraction followed by LC-MS/MS. *6th SETAC world congress, SETAC Europe 22nd annual meeting*, Berlin, 20-24 May 2012.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Behavior of steroids and veterinary antibiotics in soil: study of transfer and degradation in soil columns. *6th SETAC world congress, SETAC Europe 22nd annual meeting*, Berlin, 20-24 May 2012.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Development of an analytical method based on QuEChERS-LC-MS/MS for the analysis of hormones and veterinary antibiotics at traces level in soil. *12th European Meeting of Environmental Chemistry*, Clermont-Ferrand, 7-10 December 2011.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Innovative sample preparation steps for the analysis of hormonal steroids and veterinary antibiotics in soil. *EuCheMS International Conference on Chemistry and the Environment*, Zurich, 11-15 September 2011.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Development of an environmental analytical method for the determination of hormonal steroids and veterinary compounds traces in soil. *36th International Symposium on Environmental Analytical Chemistry*, Rome, 5-9 October 2010.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Development of a multi-residue methodology for the analysis of hormonal steroids and veterinary compounds traces in soil. *ISC 2010*, Valence, 12-16 September 2010.

- *National Conferences, France, UK, Italy(12)*

M.V. Salvia, A. Ben Jrad, D. Raviglione, C. Bertrand. Comparison of the impact of a bio-insecticide and a chemical insecticide on sediment using metabolomics. *10e JS du RFMF Montpellier 2016*, Montpellier, 31 May - 2 June 2016.

M.V. Salvia, S. Springhetti, F. Ramadori, G. Salassa, F. Rastrelli and F. Mancin. Detection and quantification of analytes using innovative methodologies based on NMR: sensing and chromatography. *E-WISPOC 2015*, Bressanone, 1-6 February 2015 ("flash presentation" + poster).

M.V. Salvia, S. Springhetti, F. Ramadori, G. Salassa, F. Rastrelli and F. Mancin. New NMR methods allowing the detection and quantification of analytes: sensing and chromatography. *Gruppo Italiano Discussione Risonanze Magnetiche (GIDRM)*, Bari, 22-24 September 2014.

N. Sui, M.V. Salvia, V. Monnier; Y. Zakharko, S. Alekseev, Y. Chevlot, J.M. Bluet, V. Lysenko, E. Souteyrand. Hybrid nanoparticles (Au/SiO₂/SiC) with enhanced optical properties for cellular imaging. *Journée Lyonnaise: Nanoparticules multimodales pour le diagnostic et la thérapie*, Lyon, 21 February 2013.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Development of an analytical method for the analysis of veterinary and human antibiotics and hormonal steroids in soil. *29^{èmes} Journées Françaises de Spectrométrie de Masse*, Orléans, 17-20 September 2012.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Development of an analytical method based on QuEChERS extraction, easy and rapid followed by the analysis by LC-MS/MS for the determination of steroids and veterinary antibiotics at traces level in soil. *9^{ème} Congrès francophone de l'AfSep sur les sciences séparatives et les couplages*, Toulouse, 23-25 March 2011.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Development of an analytical methodology by PLE-SPE-LC/MS/MS for the analysis of two veterinary antibiotics families, the tetracyclines and the fluoroquinolones. *9^{ème} Congrès francophone de l'AfSep sur les sciences séparatives et les couplages*, Toulouse, 23-25 March 2011.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Analysis of steroids and veterinary antibiotics at traces level in soil by PLE (Pressurized Liquid Extraction)-LC/MS/MS. *11^{èmes} Journées Francophones des Jeunes Physico-Chimistes*, Grenoble, 17-21 October 2010.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Analysis of steroids and veterinary antibiotics at traces level in soil by PLE (Pressurized Liquid Extraction)-LC/MS/MS. *III^{ème} journées du Club Jeunes AFSEP*, Paris, 14 October 2010.

M.V. Salvia, E. Vulliet, L. Wiest, R. Baudot, C. Cren-Olivé. Development of a multi-residue methodology for the analysis of hormonal steroids and veterinary compounds at traces level in soil. *27^{èmes} Journées Françaises de Spectrométrie de Masse*, Clermont-Ferrand, 13-16 September 2010.

M.V. Salvia, D.D. Andrejuk, H. Alniss, N.J. Anthony, S.P. MacKay, C.J. Suckling, A.I. Khalaf, M.P. Evstigneev, J.A. Parkinson. A sticky problem: Harnessing self-assembly for DNA molecular recognition. *NMRDG-PG-Meeting*, Manchester, 25 June 2009.

M.V. Salvia, D.D. Andrejuk, H. Alniss, N.J. Anthony, S.P. MacKay, C.J. Suckling, A.I. Khalaf, M.P. Evstigneev, J.A. Parkinson. A sticky problem: Harnessing self-assembly for DNA molecular recognition. *SymPOC*, Glasgow, 7-9 April 2009.