

## CM - Publications

## 2018

L. Halby, N. Marechal, D. Pechalrieu, V. Cura, D-M. Franchini, C. Faux, F. Alby, N. Troffer-Charlier, S. Kudithipudi, A. Jeltsch, W. Aouadi, E. Decroly, J-C. Guillemot, P. Page, C. Ferroud, L. Bonnefond, D. Guianvarc'h, J. Cavarelli, P. B. Arimondo, **Hijacking DNA methyltransferase transition state analogues to produce chemical scaffolds for PRMT inhibitors**. *Phil. Trans. R. Soc. B*, **2018**, 373: 20170072

C. Gomez, G. Hallot, M. Port, Chapter 10, **Bismuth metallic nanoparticles**, in *Inorganic Frameworks as Smart Nanomedicines*, edited by Alexandru Mihai Grumezescu,, William Andrew Publishing, **2018**, Pages 449-487, ISBN 9780128136614

B. Tambosco, K. Segura, C. Seyrig, D. Cabrera, M. Port, C. Ferroud, Z. Amara\*. **Outer-sphere effects in visible-light photochemical oxidations with immobilized and recyclable ruthenium bipyridyl salts**. *ACS Catalysis*, **2018**, 8, 4383-4389

S. Drouet, B. Haider Abbas, A. Falguières, W. Ahmad, S. Khan, C. Ferroud, J. Doussot, J. R. Vanier, E. Lainé, C. Hano\*. **Single Laboratory Validation of a Quantitative Core Shell-Based LC Separation for the Evaluation of Silymarin Variability and Associated Antioxidant Activity of Pakistani Ecotypes of Milk Thistle (Silybum Marianum L.)**. *Molecules*, **2018**, 23, 904

A. Rayar, N. Lagarde, F. Martin, F. Blanchard, B. Liagre, C. Ferroud, J-F Zagury, M. Montes, M. Sylla-Iyarreta Veitia\*. **New selective cyclooxygenase-2 inhibitors from cyclocoumarol: synthesis, characterization, biological evaluation and molecular modeling**. *Eur. J. Med. Chem.*, **2018**, 146, 577-587

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D. Siverio-Mota, I. Andujar, Y. Marrero-Ponce\*, R. M. Giner, C. Díaz Mendoza, G. Manjarrez Paba, L. Vicet-Muro, M. L. Cordero-Maldonado, P. A. M de Witte, A. D. Crawford, M. Sylla-Iyarreta Veitia, F. Pérez-Jiménez, V. J. Aran. **Anti-Inflammatory activity and cheminformatics analysis of new potent 2-substituted 1-methyl-5-nitroindazolinones**. *Curr. Top. Med. Chem.*, **2017**, 17, 3236 - 3248

L. Halby, Y. Menon, E. Rilova, D. Pechalrieu, V. Masson, C. Faux, M.A. Bouhlel, M-H. David-Cordonnier, N. Novosad, Y. Aussagues, A. Samson, L. Lacroix, F. Ausseil, L. Fleury, D. Guianvarc'h, C. Ferroud, P. Arimondo\*. **Rational design of bisubstrate-type analogs as inhibitors of DNA methyltransferases in cancer cells**, *J. Med. Chem.*, **2017**, 60, 4665-4679

J. Jin, S. Guidi, Z. Abada, Z. Amara, M. Selva, M. W. George, M. Poliakoff\*, **Continuous niobium phosphate catalysed Skraup reaction for quinoline synthesis from solketal**, *Green Chem.* **2017**, 19, 2439-2447

D. S. Lee, Z. Amara, C. A. Clark, Z. Xu, B. Kakimpa, H. P. Morvan, S. J. Pickering, M. Poliakoff\*, M. W. George\*, **Continuous photo-oxidation in a vortex reactor: efficient operations using air drawn from the laboratory**, *Org. Process Res. Dev.* **2017**, 21, 1042-1050

M. Sylla-Iyarreta Veitia\*, D. Siverio Mota, V. Lerari, M. Marín, R. M. Giner, L. Vicet Muro, Y. Rivero Guerra, F. Dumas, C. Ferroud, P. A. M. de Witte, A. D. Crawford, V. J. Arán, Y. Marrero Ponce, **Fishing Anti-Inflammatories from Known**

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Rayar A.-M., Lagarde N., Ferroud C., Zagury J.-F., Montes M., Sylla-Iyarreta Veitia M., Update on COX-2 Selective Inhibitors: Chemical Classification, Side Effects and their Use in Cancers and Neuronal Diseases, *Curr. Top. Med. Chem.*, **2017**, 17, 1-22.

M. Sylla-Iyarreta Veitia, F. Dumas, A. Duardo-Sánchez, S. Arrasate, Editorial: New Experimental and Computational Tools for Drug Discovery: From Chemistry to Biology. Part-III, *Curr. Top. Med. Chem.*, **2017**, 17(30): 3234 – 3235.

M. Sylla-Iyarreta Veitia, F. Dumas, H. González-Díaz. Editorial: New Experimental and Computational Tools for Drug Discovery: From Chemistry to Biology. Part-II, *Curr. Top. Med. Chem.*, **2017**, 17(26): 2901 – 2902.

M. Sylla-Iyarreta Veitia, F. Dumas, H. González-Díaz, Editorial: New Experimental and Computational Tools for Drug Discovery: From Chemistry to Biology. Part-I, *Curr. Top. Med. Chem.*, **2017**, 17(25): 2805 – 2806.

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Jorge, E.G. ; Rayar, A.M. ; Barigye, S.J. ; Rodriguez, M.E.J. ; Sylla-Iyarreta Veita, M. Development of an *in Silico* model of DPPH• free radical scavenging capacity: prediction of antioxidant activity of coumarin type compounds. *Int. J. Mol. Sci.*, **2016**, 17, 881 (Open access).

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F. Dioury, A. Duprat, G. Dreyfus, C. Ferroud, J. Cossy, QSPR Prediction of the Stability Constants of Gadolinium(III) Complexes for MRI, *J. Chem. Inf. Model.* **2014**, 54, 2718–2731

G. Bort, S. Catoen, H. Borderies, A. Kebsi, S. Ballet, G. Louin, M. Port, C. Ferroud, Gadolinium-based contrast agents targeted to amyloid aggregates for the early diagnosis of Alzheimer's disease by MRI, *Eur. J. Med. Chem.* **2014**, 87, 843-861.

M. Wagner, Y. Contie, C. Ferroud, G. Reviel. Enantioselective Aldol Reactions and Michael Additions Using Proline Derivatives as Organocatalysts *IJOC*, **2014**, 4, 55-67 (Open access).

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C. Ferroud; G. Reviel; R. Morfin. Chemical and biochemical approaches to the production of 7-hydroxylated C19-steroids. *Horm. Mol. Biol. Clin. Invest.*, **2012**, 10, 293-300.

I. Idri, J-L. Havet, J. M. Garcia Fernandez, C. Ferroud, C. Porte; **Microwave-assisted synthesis of prebiotic di-D-fructose dianhydride-enriched caramels**. Food Chem., **2012**, 134, 1527–1532

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K. Fidaly, C. Ceballos, A. Falguières, M. Sylla-Iyarreta Veitia, A. Guy, C. Ferroud. **Visible light photoredox organocatalysis: a fully metal-free direct asymmetric  $\alpha$ -alkylation of aldehydes**. Green Chem., **2012**, 14, 1293-1297.

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M. Sylla-Iyarreta Veitia, M. Joudat, M. Wagner, A. Falguières, A. Guy, C. Ferroud, **Ready available chiral azapyridinomacrocycles N-oxides; first results as Lewis base catalysts in asymmetric allylation of p-nitrobenzaldehyde**. Heterocycles, **2011**, 83, 2011-2039.

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A. Ozdemir, G. Turan-Zitouni, Z.A. Kaplancikli, G. Revial, F. Demirci, G. Iscan **Preparation of some pyrazoline derivatives and evaluation of their antifungal activities**. J. Enzyme Inh. Med. Chem. , **2010**, 25, 565-571.

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