

Andrea Carletta
Chemistry Department
Faculty of Sciences
Namur Research Institute for Life Sciences
Postal address: Rue de Bruxelles 61, 5000 Namur, Belgium
Email: andrea.carletta@unamur.be

Research outputs

A Simple and Efficient Mechanochemical Route for the Synthesis of Salophen Ligands and of the Corresponding Zn, Ni, and Pd Complexes

Fusaro, L., Carletta, A., Dubois, J., Tumanov, N., Aprile, C., Wouters, J., Dalla Cort, A. & Leoni, L., 1 Jan 2019, In: Molecules. 24, 12, p. 2314 11 p., 2314.

Playing with Isomerism: Cocrystallization of Isomeric N-Salicylideneaminopyridines with Perfluorinated Compounds as Halogen Bond Donors and Its Impact on Photochromism

Carletta, A., Zbačník, M., Van Gysel, M., Vitković, M., Tumanov, N., Stilinović, V., Wouters, J. & Cinčić, D., 7 Nov 2018, In: Crystal Growth and Design. 18, 11, p. 6833–6842 10 p.

Direct Access by Mechanochemistry or Sonochemistry to Protonated Merocyanines: Components of a Four-State Molecular Switch

Colaço, M., Carletta, A., Van Gysel, M., Robeyns, K., Tumanov, N. & Wouters, J., 2 Jul 2018, In: ChemistryOPEN. 7, 7, p. 520-526 7 p.

Tetraphenylborate Anion Induces Photochromism in N-Salicylideneamino-1-alkylpyridinium Derivatives Through Formation of Tetra-Aryl Boxes

Carletta, A., Colaço, M., Mouchet, S., Plas, A., Tumanov, N., Fusaro, L., Champagne, B., Lanners, S. & Wouters, J., 30 Apr 2018, In: Journal of Physical Chemistry C: Nanomaterials and interfaces. 122, 20, p. 10999–11007 9 p.

Halogen-bonded cocrystals of N-salicylidene Schiff bases and iodoperfluorinated benzenes: Hydroxyl oxygen as a halogen bond acceptor

Carletta, A., Zbačník, M., Vitković, M., Tumanov, N., Stilinović, V., Wouters, J. & Cinčić, D., 1 Jan 2018, In: CrystEngComm. 20, 36, p. 5332-5339 8 p.

Halogen-Bond Effects on the Thermo- and Photochromic Behaviour of Anil-Based Molecular Co-crystals

Carletta, A., Spinelli, F., d'Agostino, S., Ventura, B., Chierotti, M. R., Gobetto, R., Wouters, J. & Grepioni, F., 3 Apr 2017, In: Chemistry: A European Journal. 23, 22, p. 5317-5329 13 p.

Assessing density functional theory approaches for predicting the structure and relative energy of salicylideneaniline molecular switches in the solid state

Quertinmont, J., Carletta, A., Tumanov, N. A., Leyssens, T., Wouters, J. & Champagne, B., 21 Mar 2017, In: Journal of Physical Chemistry C: Nanomaterials and interfaces. 121, 12, p. 6898-6908 11 p.

Polymorphic and Isomorphic Cocrystals of a N-Salicylidene-3-aminopyridine with Dicarboxylic Acids: Tuning of Solid-State Photo- and Thermochromism

Carletta, A., Buol, X., Leyssens, T., Champagne, B. & Wouters, J., 20 Apr 2016, In: Journal of Physical Chemistry C: Nanomaterials and interfaces. 120 , 18, p. 10001 10008 p.

How does binding of imidazole-based inhibitors to heme oxygenase-1 influence their conformation? Insights combining crystal structures and molecular modelling

Carletta, A., Tilborg, A., Moineaux, L., De Ruyck, J., Basile, L., Salerno, L., Romeo, G., Wouters, J. & Guccione, S., 1 Aug 2015, In: Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials. 71, p. 447-454 8 p.

Structural and energy insights on solid-state complexes with trimethoprim: A combined theoretical and experimental investigation

Tilborg, A., Carletta, A. & Wouters, J., 1 Aug 2015, In: Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials. 71, p. 406-415 10 p.

Solid-state investigation on a new dimorphic substituted N-salicylidene compound: Insights into its thermochromic behaviour

Carletta, A., Dubois, J., Tilborg, A. & Wouters, J., 14 May 2015, In: CrystEngComm. 17, 18, p. 3509-3518 10 p.

Solid-state investigation of polymorphism and tautomerism of phenylthiazole-thione: A combined crystallographic, calorimetric, and theoretical survey

Carletta, A., Meinguet, C., Wouters, J. & Tilborg, A., 6 May 2015, In: Crystal Growth and Design. 15, 5, p. 2461-2473 13 p.