

# Liste de publications de CHIM

## Articles dans des revues avec comité de lecture

### A paraître

Bense, H., Siefert, E., & Brau, F. (2023). Measurement of capillary forces using two fibers dynamically withdrawn from a liquid: Evidence for an enhanced Cheerios effect. *Physical review letters*.

### 2024

Jacob, C., Annibaleto, J., Peng, J., Bai, R., Maes, B. U. W., Lan, Y., & Evano, G. (2024). Rhodium-Catalyzed Direct ortho-Arylation of Anilines. *Angewandte Chemie International Edition in English*, 63. doi:10.1002/anie.202403553

Gillet, J., Geerts, Y., Rongy, L., & De Decker, Y. (2024). Differences in enantiomeric diffusion can lead to selective chiral amplification. *Proceedings of the National Academy of Sciences of the United States of America*, 121(17). doi:10.1073/pnas.2319770121

Boquet, V., Sauber, C., Beltran, R., Ferey, V., Rodier, F., Hansjacob, P., Theunissen, C., & Evano, G. (2024). Copper-Catalyzed Coupling between ortho-Haloanilines and Lactams/Amides: Synthesis of Benzimidazoles and Telmisartan. *Journal of organic chemistry*, 89, 5469-5479. doi:10.1021/acs.joc.3c02905

Soro, L., Soma, F., Bougouma, M., Buess Herman, C., Parpal Gimenez, M., & Ustarroz Troyano, J. (2024). Electrodeposition of tin, selenium and tin-selenium compound in the choline chloride/glycerol deep eutectic solvent. *Journal of solid state electrochemistry*, 28, 1509-1519. doi:10.1007/s10008-024-05807-8

Gerard, P., Guissart, C., & Evano, G. (2024). Copper-Catalyzed Direct alpha-Peroxylation of Nitrogen Heterocycles. *Arkivoc*, 5, 202312154. doi:10.24820/ark.5550190.p012.154

James, A. M., Gicevičius, M., Hofer, S., Schrode, B., Werzer, O., Devaux, F., Geerts, Y., Sirringhaus, H., & Resel, R. (2024). Thin film crystallization of oligoethylene glycol-benzothieno benzothiophene: Physical vapor deposition versus spin coating. *Journal of crystal growth*, 627, 127539. doi:10.1016/j.jcrysgro.2023.127539

Yang, Y., Shtukenberg, A. G., Zhou, H., Ruzié, C., Geerts, Y., Lee, S. S., & Kahr, B. (2024). Coherence in Polycrystalline Thin Films of Twisted Molecular Crystals. *Chemistry of materials*, 36(2), 881-891. doi:10.1021/acs.chemmater.3c02740

Ferrari, E., Pandolfi, L., Schweicher, G., Geerts, Y., Salzillo, T., Masino, M., & Venuti, E. (2024). Structural Order and Thermal Behavior of Ph-BTBT-10 Monolayer Phases. *The Journal of Physical Chemistry Part C: Nanomaterials and Interfaces*, 128(10), 4258-4264. doi:10.1021/acs.jpcc.3c07365

Evano, G., & Theunissen, C. (2024). Copper-(Photo)Catalyzed Radical Reactions with Organic Halides. *Synlett*, 35, 485-499. doi:DOI: 10.1055/a-2095-5242

Adaoudi, O., Le Bescont, J., Bruneau-Voisine, A., & Evano, G. (2024). Copper-Catalyzed Carbonylative Cross-Coupling of Alkyl Iodides with Alcohols and Sodium Hydroxide:

Synthesis of Esters and Carboxylic Acids. *Synthesis*, 56, 668-676. doi:10.1055/a-2042-3417

Fang, J., Van Laethem, S., Blanchard, N., & Evano, G. (2024). Ring-Closing Enyne Metathesis of Allylic and Propargylic Cyanamides. *Arkivoc*, 2, 202312098. doi:10.24820/ark.5550190.p012.098

Smiljanic, M., Bleteau, P., Papageorgiou, A., Goffart, N., Adam, C., & Doneux, T. (2024). Introducing common oxazine fluorophores as new redox labels for electrochemical DNA sensors. *Bioelectrochemistry*, 155, 108582. doi:10.1016/j.bioelechem.2023.108582

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Dang, R., Jacob, D., Zhai, S., Coheur, P., Clarisse, L., Van Damme, M., Pendergrass, D. C., Choi, J.-S., Park, J.-S., Liu, Z., & Liao, H. (2023). Diagnosing the Sensitivity of Particulate Nitrate to Precursor Emissions Using Satellite Observations of Ammonia and Nitrogen Dioxide. *Geophysical research letters*.

Gregori, G., Tsisar, V., Doneux, T., & Lim, J. (2023). Electrochemical and metallographic characterization of Ni-NiO-NiBi<sub>3</sub> equilibrium in molten lead-bismuth eutectic. *Journal of nuclear materials*, 589, 154866. doi:10.1016/j.jnucmat.2023.154866

Generalis, S., De Wit, A., & Trevelyan, P. (2023). Exotic dynamics of bimolecular reaction-diffusion fronts in immiscible systems. *Applied mathematics letters*, 146, 108821. doi:10.1016/j.aml.2023.108821

Viatte, C., Guendouz, N., Dufaux, C., Hensen, A., Swart, D., Van Damme, M., Clarisse, L., Coheur, P., & Clerbaux, C. (2023). Measurement report: Ammonia in Paris derived from ground-based open-path and satellite observations. *Atmospheric chemistry and physics*, 23(24), 15253-15267. doi:10.5194/acp-23-15253-2023

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Liu, J., Kabbadj, S., Liu, G., Silva De Moraes, L., Gbabode, G., Schweicher, G., Resel, R., & Geerts, Y. (2023). Accessing Selective Crystallization of ROY Polymorphs Using

Directional Crystallization from the Melt. *Crystal growth & design*, 23(12), 8565-8574. doi:10.1021/acs.cgd.3c00595

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Kumar, D., Zhou, N., Brau, F., Menon, N., & Davidovitch, B. (2023). Peeling from a liquid. *Soft matter*. doi:10.1039/d3sm00487b

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Liu, B., Garza, D. R., Gonze, D., Krzynowek, A., Simoens, K., Bernaerts, K., Geirnaert, A., & Faust, K. (2023). Starvation responses impact interaction dynamics of human gut bacteria *Bacteroides thetaiotaomicron* and *Roseburia intestinalis*. *The ISME Journal*. doi:10.1038/s41396-023-01501-1

Nyssen, N., Giraud, N., Wouters, J., Jabin, I., Leherte, L., & Reinaud, O. (2023). Guest exchange in a biomimetic Zn II cavity-complex: kinetic control by a catalytic water, through pore selection, 2nd sphere assistance, and induced-fit processes. *Inorganic Chemistry Frontiers*, 10(19), 5772-5781. doi:10.1039/D3QI01271A

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Ferrari, E., Pandolfi, L., Schweicher, G., Geerts, Y., Salzillo, T., Masino, M., & Venuti, E. (2023). Interlayer Sliding Phonon Drives Phase Transition in the Ph-BTBT-10 Organic Semiconductor. *Chemistry of materials*, 35(15), 5777-5783. doi:10.1021/acs.chemmater.3c00209

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