

# Liste de publications de CHIM

## Articles dans des revues avec comité de lecture

### A paraître

Mohammadi, A., Deroo, S., Leitner, A. A. L., Stengel, F., Krammer, E.-M., Aebersold, R., Prévost, M., & Raussens, V. (2025). Characterization of the N- and C-terminal domain interface of the three main apoE isoforms: A combined quantitative cross-linking mass spectrometry and molecular modeling study. *Biochimica et biophysica acta (G). General subjects*, 1869(4), 130768. doi:10.1016/j.bbagen.2025.130768

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Fathallah, B. O., Béguier, S., Rey, M., Vander Auwera, J., & Campargue, A. (2025). Rovibrational assignments of the ethylene absorption spectrum near 3.3 μm based on variational calculations. *Journal of quantitative spectroscopy & radiative transfer*, 336, 109362. doi:10.1016/j.jqsrt.2025.109362

Hagiwara, Y., Schweicher, G., Das, S., Hasebe, S., Asahi, T., Koshima, H., & Geerts, Y. (2025). Control of Polymorphism and Alignment in Photochromic Salicylideneaniline Crystals Grown by Directional Crystallization. *Crystal growth & design*, 25(7), 2090-2098. doi:10.1021/acs.cgd.4c01729

Lambeets, S., Cardwell, N., Onyango, I., Wirth, M. G., Vo, E., Wang, Y., Gaspard, P., Ivory, C., Pereira, D. D., Visart de Bocarmé, T., & McEwen, J.-S. (2025). Elucidating the Role of Electric Fields in Fe Oxidation via an Environmental Atom Probe. *Angewandte Chemie*, e202423434 11. doi:<https://doi.org/10.1002/anie.202423434>

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Gosselin, B., Dutour, R., Janssens, J., Jabin, I., & Bruylants, G. (2025). Repurposing Lateral Flow Assays as a Versatile and Rapid Characterization Tool for Bioconjugation of Nanoparticles. *Bioconjugate chemistry*. doi:10.1021/acs.bioconjchem.4c00589

Bigaj, A., Budroni, M., & Rongy, L. (2025). Exploring buoyancy-driven effects in chemo-hydrodynamic oscillations sustained by bimolecular reactions. *PCCP. Physical chemistry chemical physics*, 27, 1008.

### 2024

Carpentier, R., Testa, C., Pappalardo, A., Jabin, I., & Bartik, K. (2024). Binding of Bioactive Ammonium Ions in Water with a Cavity-Based Selectivity: Water Solubilization versus Micellar Incorporation. *Journal of organic chemistry*. doi:10.1021/acs.joc.4c02610

Annibaletto, J., Jacob, C., Thilmany, P., Loison, A., Escorihuela, J., & Evano, G. (2024). Mechanistic Studies on the Gold-Catalyzed Intramolecular Hydroalkylation of Ynamides to Indenes. *ACS Omega*, 9, 51690-51700. doi:10.1021/acsomega.4c09973

Stergiou, Y., Perrakis, A., De Wit, A., & Schwarzenberger, K. (2024). Flow-driven pattern formation during coacervation of xanthan gum with a cationic surfactant. *PCCP. Physical chemistry chemical physics*, 10.1039/D4CP01055H.

Ornelas Guevara, R., Diercks, B. P., Guse, A. H., & Dupont, G. (2024). Ca<sup>2+</sup> puffs underlie adhesion-triggered Ca<sup>2+</sup> microdomains in T cells. *Biochimica et biophysica acta. Molecular cell research*, 1871(8), 119808. doi:10.1016/j.bbamcr.2024.119808

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Vandaele, A. C., Aoki, S., Bauduin, S., Daerden, F., Fedorova, A. A., Giuranna, M., Koralev, O., Lefèvre, F., Määttänen, A. A., Montmessin, F., Patel, M. R., Smith, M.,

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