

Laboratoire d'Activation Moléculaire (LAM)

Publications

2025

1. Gas-liquid flow set up for Pd-catalyzed aminocarbonylation with CO generated from CO₂, towards radiolabeling application. Q. Mai, P. Dedieu, C. Lescot, *J. Flow. Chem* **2025**; <https://doi.org/10.1007/s41981-025-00345-4>.
2. From design to formulation of peptide building blocks for nanotheranostic applications: a synergistic multidisciplinary investigation. A. Am, L. Trapiella-Alfonso, C. Lescot, B-T Doan, F. d'Orlyé and A. Varenne, *C.R. Chimie* **2025**, 28, 239. <https://doi.org/10.5802/crchim.372>.
3. Deferasirox derivatives as inhibitors of Kallikrein-related peptidases associated to neurodegenerative diseases. Boumali, E. David, N. Chaaya, M. Lucas, S. Aït Amiri, V. Lefort, A. Nina-Diogo, M. Salmain, I. Petropoulos, V. Corcé, C. El Amri, C. Botuha, *ChemMedChem* **2025**, accepted. <https://doi.org/10.1002/cmdc.202500187>.
4. Reductive C(Sp²)-Si Cross-Couplings by Catalytic Sodium-Bromine Exchange. B. Neil, T. Deis, L. Fensterbank, C. Chauvier, *Angew. Chem. Int. Ed.* **2025** e202419496. <https://doi.org/10.1002/anie.202419496>.
5. "Uniform Polymer Microspheres by Photoinduced Metal-Free Atom Transfer Radical Precipitation Polymerization" T. C. Bicak, H. Liu, K. Haupt, C. Gonzato, J. Fresnais, C. Ménager, L. Fensterbank, C. Ollivier, N. Griffete, *Macromol. Rapid Commun.* **2025**, 46, 2400502.
6. Substitution Pattern of the Secondary Rim of ICyD Ligand Influences Stereoselectivity. G. Xu, O. Bistri-Aslanoff, V. Mouriès-Mansuy, L. Fensterbank, Y. Zhang, S. Roland, M. Sollogoub, *Eur. J. Org. Chem.* **2025**, 28, e202401378.
7. Alkynyl Radicals, Myths and Realities. A. Lakhal, Y. Gimbert, V. Mouriès-Mansuy, C. Ollivier, L. Fensterbank, *JACS Au* **2025**, 5, 448-465. <https://doi.org/10.1021/jacsau.4c01040>.
8. Catalytic Silylation of Alkynyl C(sp)-H bonds with tert-Butyl- Substituted Silyldiazenes. Y. Zheng, L. Fensterbank, C. Chauvier *ChemCatChem* **2025**, 17, e202500121 <https://doi.org/10.1002/cctc.202500121>.
9. Cationization of fac-[Mn(CO)₃(RbpY)Br] complexes with ammonia: direct access to water-soluble photoinduced CO releasing molecules. M. Annereau, A. Le Mire, G. Gontard, M. Salmain, V. Corcé, *J. Organomet. Chem.*, **2025**, 1042, 123888. <https://doi.org/10.1016/j.jorganchem.2025.123888>
10. Bifunctional Chiral ImPy-Carbene Ligands. H-Bonding Controlled Reactivity and Enantioselectivity in Au(I)-Catalysis", L. Enders, R. Mobili, L. Fensterbank, J. Helaja, V. Mouriès-Mansuy, *Chem. Eur. J.* **2025**, 31, e202501259. <https://doi.org/10.1002/chem.202501259>.
11. Direct C(sp³)-H chloromethylation through CH₂Cl₂ activation using non-thermal plasma" F. Bruel, G. Morand, S. Ognier, P. Dedieu, A. Favre-Réguillon, C. Ollivier, L. Fensterbank, M. Tatoulia, *Green Chem.* **2025**, 27, 11857-11869.

12. Cyclopropyl-Substituted Trialkoxysilanes and their Related Bis(catecholato)silicates: Preparation, Characterization and Reactivity, A. Millanvois, A. Lakhal, C. Ollivier, L. Fensterbank, *Zeitschrift für anorganische und allgemeine Chemie* **2025**, *n/a*, e202500009.
13. L. Mutalliev, E. Beudy, M. Ballarín-Marión, V. Delattre, C. Troufflard, V. Mouriès-Mansuy, Y. Gimbert, L. Fensterbank, "Spirosilanes Activate Gold(I)-Catalysts in Cycloisomerization and Intermolecular Reactions" *Angewandte Chemie International Edition* **2025**, *n/a*, e18534.
14. "Mechanochemical and Piezo-Accelerated Stereoselective Synthesis of Isoindolinones", A. Lakhal, L. Fensterbank, C. Ollivier, *Helv. Chim. Acta* **2025**, <https://doi.org/10.1002/hlca.202500087>.