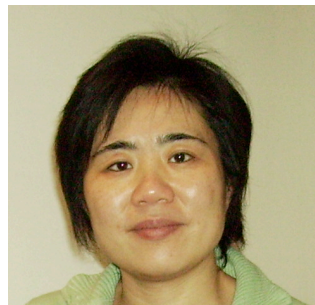


Yun Xu-Li

(IR HC CNRS, HDR)

Address : Laboratoire de Chimie des Processus Biologiques,
Collège de France,
11 place Marcelin Berthelot, 75 005 Paris, France
Phone Number : 33 1 44 27 13 10
Email: yun.xu-li@college-de-france.fr



RESEARCH INTERESTS

Synthetic chemistry

Design and Synthesis of biomimetic metal complexes
CO₂ reduction catalyzed by metal complexes
Dithiolenes and tungsten/Molybdenum complexes
Thiols and sulfur enriched compounds
Persistent triarylmethyl (TAM) radicals as EPR probes

SELECTED PUBLICATIONS

- "A Bioinspired Nickel(bis-dithiolene) Complex as a Homogeneous Catalyst for Carbon Dioxide Electroreduction", T. Fogeron, T. Todorova, J-P Porcher, M. Gomez-Mingot, L-M Chamoreau, C. Mellot-Draznieks, Y. Li, M. Fontecave, *ACS Catal.*, **2018**, 8, 2030-2038.
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- A Cobalt Complex with a bioinspired molybdopterin-like ligand: a Catalyst for Hydrogen Evolution, T. Fogeron, J.-P. Porcher, M. Gomez-Mingot, T. K. Todorova, L.-M. Chamoreau, C. Mellot-Draznieks, **Y. Li**, and M. Fontecave, *Dalton Trans.* **2016**, 45, 14754 – 14763.
- Synthesis and Reactivity of a Bio-inspired Dithiolene ligand and its Mo-oxo complex, J.-P. Porcher, T. Fogeron, M. Gomez-Mingot, L.-M. Chamoreau, **Y. Li**, and M. Fontecave, *Chem. Eur. J.*, **2016**, 22, 1–8.
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○ Reactions of Amino Acids, Peptides, and Proteins with Oxidized Metabolites of Tris(p-carboxytetrahydroaranyl)methyl Radical EPR Probes, C. Decroos, J.-L. Boucher, D. Mansuy, **Y. Xu-Li**, *Chem. Res. Toxicol.*, **2014**, 27, 627-636.

○ Toward Stable Electron Paramagnetic Resonance Oximetry Probes: Synthesis, Characterization, and Metabolic Evaluation of New Ester Derivatives of a Tris-(para-carboxytetrahydroaranyl)methyl (TAM) Radical, C. Decroos, V. Balland, J.-L. Boucher, G. Bertho, **Y. Xu-Li**, and D. Mansuy, *Chem. Res. Toxicol.* **2013**, 26, 1561–1569.

○ Rational design of a fluorescent NADPH derivative imaging constitutive nitric-oxide synthases upon two-photon excitation, **Y. Li**, H. Wang, B. Tarus, M. R. Perez, L. Morellato, E. Henry, V. Berka, A. Tsai, B. Ramassamy, H. Dhimane, C. Dessy, P. Tauc, J.-L. Boucher, E. Deprez, and A. Slama-Schwok, *PNAS*, **2012**, 109, 12526-12531.