



CURRENT POSITION

Maitre de Conférences Hors Classe (Senior Lecturer) at the Ecole Nationale Supérieure de Chimie de Rennes

EDUCATION

- **Habilitation à Diriger des Recherches** degree (2004) – Université de Rennes 1
- **Post-doctoral Fellow** (1992-1993) Département de Chimie – Université de Sherbrooke, Canada (Advisor : Pr. Pierre Deslongchamps)
- **Doctorat de chimie** (1992) (Advisor : Dr. Jean-Marie Beau)
- **Engineering diploma in chemistry** (1988) – ENSCCF

PUBLICATIONS

52 publications, 2 book chapters and 5 patents

RESEARCH

Organometallic and asymmetric catalysis

- Design of Ruthenium complexes dedicated to olefin metathesis
- Development of new NHC-metal complexes
- Design of new chiral ligands dedicated to asymmetric catalysis
- C-C bond formation via Asymmetric Conjugate Additions and Allylic Alkylations

SELECTION OF RECENT PUBLICATIONS

1. "Multicomponent Synthesis of Chiral Bidentate Unsymmetrical Unsaturated N-Heterocyclic Carbenes: Copper Catalyzed Asymmetric C-C Bond Formation" C. Jahier-Diallo, M. S. T. Morin, P. Queval, M. Rouen, I. Artur, P. Querard, L. Toupet, C. Crévisy, O. Baslé, M. Mauduit, *Chem. Eur. J.*, **2015**, 21, 993-997.
2. "Immobilization of an Anthracene-Tagged Ruthenium Complex on a 2,4,7-Trinitrofluoren-9-one-Grafted Silica: Efficiency and Recyclability in Olefin Metathesis Reactions" H. Nasrallah, A. Pagnoux, D. Didier, C. Magnier, L. Toupet, R. Guillot, C. Crévisy, M. Mauduit, E. Schulz, *Eur. J. Org. Chem.*, **2014**, 7781-7787.
3. "Enantioselective 1,6-Conjugate Addition of Dialkylzinc Reagents to Acyclic Dienones Catalyzed by Cu-DiPPAM Complex. Extension to asymmetric sequential 1,6/1,4 Conjugate Addition" M. Magrez-Chiquet, M. S. T. Morin, J. Wencel-Delord, S. Drissi Amraoui, O. Baslé, A. Alexakis, C. Crévisy, M. Mauduit, *Chem. Eur. J.*, **2013**, 19, 13663-13667. (*Synfacts* **2014**, 10, 42)
4. "Multicomponent Synthesis of (a)chiral Unsymmetrical Unsaturated N-Heterocyclic Carbene (U₂-NHC) Precursors; and Their Related Transition-Metal Complexes" P. Queval, C. Jahier, M. Rouen, I. Artur, J.-C. Legeay, L. Falivene, L. Toupet, C. Crévisy, L. Cavallo, O. Baslé, M. Mauduit, *Angew. Chem. Int. Ed.*, **2013**, 52, 14103-14107.
5. "Bidentate Hydroxyalkyl-NHC Ligands for Copper-Catalyzed Asymmetric Allylic Substitution of Allyl Phosphates with Grignard Reagents" M. Magrez, Y. Le Guen, O. Baslé, C. Crévisy, M. Mauduit, *Chem. Eur. J.*, **2013**, 19, 1199-1203. (*Synfacts* **2013**, 9, 427)
6. "Synergic Effects Between N-Heterocyclic Carbene and Chelating-Benzylidene-Ether Ligands Towards the Initiation Step of Hoveyda-Grubbs Type Ru-Complexes" D. J. Nelson, P. Queval, M. Rouen, M. Magrez, F. Caijo, E. Borré, I. Laurent, C. Crévisy, O. Baslé, M. Mauduit, J. M. Percy, *ACS Catalysis*, **2013**, 3, 259-264.
7. "Significant Asymmetric Amplification in Enantioselective Cu/DiPPAM-catalyzed 1,6- and 1,4-Conjugate Additions of Diethylzinc to (Di)enones" M. Magrez, J. Wencel-Delord, A. Alexakis, C. Crévisy, M. Mauduit, *Org. Lett.*, **2012**, 14, 3576-3579.
8. "Enantioselective 1,6-Conjugate Addition to Cyclic Dienones Catalyzed by the Cu-DiPPAM Complex" J. Wencel-Delord, A. Alexakis, C. Crévisy, M. Mauduit, *Org. Lett.*, **2010**, 12, 4335-4337.

BOOK CHAPTERS

1. "Metal catalyzed Asymmetric nucleophilic addition to electron-deficient alkenes" M. Mauduit O. Baslé, H. Clavier, C. Crévisy, A. Denicourt-Nowicki in Gary A. Molander and Paul Knochel (eds.), *Comprehensive Organic Synthesis*, 2nd Edition, Vol. 4, Oxford: Elsevier; **2014**, 189-341.
2. « *Asymmetric Allylic Alkylation* » O. Baslé, A. Denicourt-Nowicki, C. Crévisy, M. Mauduit in "Copper-Catalyzed Asymmetric Synthesis », Eds A. Alexakis, N. Krause and S. Woodward, Wiley VCH, Weinheim (**2014**). ISBN 978-3-527-33204-5.

ADMINISTRATIVE RESPONSABILITIES

- Member of the **Scientific Board of ENSCR**
- **Head of Admissions at ENSCR**
- **In charge of Student Life at ENSCR**