

SABO-ETIENNE Sylviane

Personal Details:

Date of birth: 5th February 1956. Married, 2 children.

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Education:

1980: Doctorat de 3^{ème} Cycle (Université Paul Sabatier, Toulouse). Equivalent to a PhD.

1984: Doctorat d'Etat (Université Paul Sabatier, Toulouse). Equivalent to a Habilitation.

Work experience:

Oct. 1980-Sept. 1997 Chargée de Recherche CNRS

Oct. 1980-Dec. 1985 at the LCC, Toulouse; Jan. 1986-Aug. 1989 : at the University of Brest

Sept. 1989-Aug. 1990 Research Associated in the group of M. Brookhart (Chapel Hill, USA).
Recipient of a NSF/CNRS fellowship

From Sept. 1990 at the LCC.

From Oct. 1997 Directrice de Recherche CNRS

Group leader (currently 8 persons): "Architecture Organométallique et Catalyse"

Member of the Editorial Board of Dalton Transactions.

Member of the CNRS National Committee (section 14)

Research Interests: Organometallic Chemistry, Catalysis, Coordination chemistry.

Publications and Conferences:

99 publications (16 J. Am. Chem. Soc.; 25 Organometallics; 9 New J. Chem; 8 Chem. Commun.; 7 Inorg. Chem.; 6 Dalton Trans.; 1 PNAS; 4 Reviews in Chem. Rev., Angew. Chem., Coord. Chem. Rev., Eur. J. Inorg. Chem.; 3 Book chapters).

4 patents + 65 conferences (82nd CSC Conference, XXXIV ICC, Gordon Conference 2000, SI SOUM-Montreal, 8th International Conference on the Chemistry of the Platinum Group Metals, 7th FIGIPS, Dalton Discussion 6, Discussion Leader Gordon Conference 2006, First Decat Conference on Catalysis 2007, 40th Silicon Symposium..)

Some recent references:

1. The σ -CAM Mechanism: σ -Bond Metathesis is Established for Late Transition Metals through σ -Complexes.
R. N. Perutz, S. Sabo-Etienne, *Angew. Chem. Int. Ed.* 2007, *Review*, 46, 2578-2592.
2. σ -Silane Ruthenium Complexes. The Crucial Role of Secondary Interactions
S. Lachaize, S. Sabo-Etienne, *Eur. J. Inorg. Chem.* 2006, *Review*, 2115-2127.
3. Ruthenium: Inorganic and Coordination Chemistry.
S. Sabo-Etienne, M. Grellier, *Encyclopedia of Inorganic Chemistry*. Editeur: R.B. King, John Wiley & Sons, Ltd., 2nd edition, 2005.
4. Catalytic isomerization of cyanoolefins involved in the adiponitrile process. C-CN bond cleavage and structure of the nickel π -allyl cyanide complex $Ni(\eta^3-1-MeC_3H_4)(CN)(dppb)$
A. Chaumonnot, F. Lamy, S. Sabo-Etienne, B. Donnadiou, B. Chaudret, J.-C. Barthelat, J.-C. Galland, *Organometallics*, 2004, 23, 3363.
5. Ruthenium Complexes Carrying Hydride, Dihydrogen, and Phosphine Ligands: Reversible Hydrogen Release.
M. Grellier, L. Vendier, and S. Sabo-Etienne *Angew. Chem. Int. Ed.* 2007, 46, 2613-2615.
6. Ruthenium-Catalyzed Hydroboration and Dehydrogenative Borylation of Linear and Cyclic Alkenes with Pinacolborane.
A. Caballero, S. Sabo-Etienne, *Organometallics* 2007, 1191-1195.
7. Activation of chlorosilanes at ruthenium: a route to silyl σ -dihydrogen complexes
S. Lachaize, A. Caballero, L. Vendier and S. Sabo-Etienne *Organometallics* 2007, 26, 3713-3721.
8. Mesitylborane as a bis(σ -B-H) ligand: an unprecedented bonding mode to a metal center
G. Alcaraz, E. Clot, U. Helmstedt, L. Vendier, and S. Sabo-Etienne *J. Am. Chem. Soc.* 2007, 129, 8704-8705.

Academic contracts: ANR STIC, ANR CHIMIE, CNRS-CONACYT, 6^{ème} PCRDT : NoE IDECAT.

Collaborations: France, Germany, Mexico, Norway, Poland, Spain, UK.