



S. Sabo-Etienne

The author presented on this page has recently published her **10th article** in *Angewandte Chemie* in the last 10 years:

"Two-Coordinate Iron(II) Complex  $[\text{Fe}\{\text{N}(\text{SiMe}_3)_2\}_2]^-$ : Synthesis, Properties, and Redox Activity": C. G. Werncke, P. C. Bunting, C. Duhayon, J. R. Long, S. Bontemps, S. Sabo-Etienne, *Angew. Chem. Int. Ed.* **2015**, 54, 245; *Angew. Chem. Int. Ed.* **2015**, 127, 247.

## Sylviane Sabo-Etienne

|                                 |                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Date of birth:</b>           | February 5, 1956                                                                                                                                                                                                                                                                                                                                                     |
| <b>Position:</b>                | Directrice de recherche CNRS, Laboratoire de Chimie de Coordination, Toulouse                                                                                                                                                                                                                                                                                        |
| <b>E-mail:</b>                  | sylviane.sabo@lcc-toulouse.fr                                                                                                                                                                                                                                                                                                                                        |
| <b>Homepage:</b>                | www.lcc-toulouse.fr                                                                                                                                                                                                                                                                                                                                                  |
| <b>Education and Positions:</b> | 1978 Master's degree, Université Paul Sabatier, Toulouse<br>1980 PhD with Danièle Gervais, Université Paul Sabatier<br>1984 Habilitation, Université Paul Sabatier<br>1985–1989 Research associate with Hervé des Abbayes, Université de Bretagne Occidentale<br>1989–1990 Research associate with Maurice S. Brookhart, University of North Carolina at Chapel Hill |
| <b>Awards:</b>                  | <b>2010</b> Royal Society of Chemistry Frankland Award; Glenn T. Seaborg Memorial Lectureship, University of California, Berkeley; <b>2014</b> Société Chimique de France Coordination Chemistry Award                                                                                                                                                               |
| <b>Research:</b>                | Small-molecule activation, bonding and catalysis, hydrogen-transfer processes                                                                                                                                                                                                                                                                                        |
| <b>Hobbies:</b>                 | Theater, reading, going to the gym                                                                                                                                                                                                                                                                                                                                   |

### My not-so-secret passion is ... theater.

**My favorite authors (fiction) are ...** Jeanne Benameur, Guy de Maupassant, and Arto Paasilinna.

**The downside of my job is ...** it is too time-consuming.

**My favorite food is ...** duck. Living in Toulouse, you have no choice!

**I like refereeing because ...** you try to improve the papers of your colleagues and you expect that they will do the same for you!

**What I look for first in a publication is ...** novelty. Did I learn something about a new concept or a special strategy?

**My favorite place on earth is ...** my living room on a cold and sunny winter day when I am reading in front of the fire.

**I chose chemistry as a career because ...** I had a great teacher who became my PhD supervisor.

**If I were not a scientist, I would be ...** a researcher in literature or a pediatrician.

**The most exciting thing about my research is ...** when I spend time solving a problem by analyzing NMR data.

**I can never resist ...** spending as much time as possible with my children.

**I celebrate success by ...** drinking some champagne!

### My 5 top papers:

1. "The  $\sigma$ -CAM Mechanism:  $\sigma$  Complexes as the Basis of  $\sigma$ -Bond Metathesis at Late-Transition-Metal Centers": R. N. Perutz, S. Sabo-Etienne, *Angew. Chem. Int. Ed.* **2007**, 46, 2578; *Angew. Chem.* **2007**, 119, 2630. (Rationalizing the properties of  $\sigma$  complexes and their implication in catalysis.)
2. "Ruthenium Bis( $\sigma$ -B-H) Aminoborane Complexes from Dehydrogenation of Amine-Boranes: Trapping of  $\text{H}_2\text{B}-\text{NH}_2$ ": G. Alcaraz, L. Vendier, E. Clot, S. Sabo-Etienne, *Angew. Chem. Int. Ed.* **2010**, 49, 918; *Angew. Chem.* **2010**, 122, 930. (Linking  $\sigma$  complexes with a hot topic dealing with energy.)
3. "Ruthenium-Catalyzed Hydrogenation of Nitriles: Insights into the Mechanism": R. Reguillo, M. Grellier, N. Vautravers, L. Vendier, S. Sabo-Etienne, *J. Am. Chem. Soc.* **2010**, 132, 7854. (Revisiting an industrially relevant topic.)
4. "Borane-Mediated Carbon Dioxide Reduction at Ruthenium: Formation of  $\text{C}_1$  and  $\text{C}_2$  Compounds": S. Bontemps, L. Vendier, S. Sabo-Etienne, *Angew. Chem. Int. Ed.* **2012**, 51, 1671; *Angew. Chem. Int. Ed.* **2012**, 124, 1703. (Combining small molecules to enter into the promising new field of  $\text{CO}_2$  functionalization.)
5. "Probing Highly Selective H/D Exchange Processes with a Ruthenium Complex through Neutron Diffraction and Multinuclear NMR Studies": M. Grellier, S. A. Mason, A. Albinati, S. C. Capelli, S. Rizzato, C. Bijani, Y. Coppel, S. Sabo-Etienne, *Inorg. Chem.* **2013**, 52, 7329. (The use of both routine and sophisticated techniques to demonstrate selectivity.)

International Edition: DOI: 10.1002/anie.201501565

German Edition: DOI: 10.1002/ange.201501565