



S. De Feyter

Steven De Feyter

Date of birth:	April 25, 1971
Position:	Professor, Katholieke Universiteit (KU) Leuven
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Education:	1993 Licentiate, KU Leuven 1997 PhD supervised by Frans C. De Schryver, KU Leuven 1998–1999 Postdoctoral work with Ahmed Zewail, California Institute of Technology
Awards:	2010 Laureate of The Royal Flemish Academy of Belgium for Science and the Arts (Division of Natural Sciences); 2014 Elected member of the Royal Flemish Academy of Belgium for Science and the Arts (Division of Natural Sciences)
Research:	Surface (nano)chemistry; scanning probe microscopy; 2D materials; DNA mechanics
Hobbies:	Cycling

The author presented on this page has published **10 articles** since 2004 in *Angewandte Chemie*:

“Squeezing, Then Stacking: From Breathing Pores to Three-Dimensional Ionic Self-Assembly under Electrochemical Control”: K. Cui et al., *Angew. Chem. Int. Ed.* **2014**, 53, 12951; *Angew. Chem.* **2014**, 126, 13165.

The most exciting thing about my research is that I “see” molecules.

I can never resist a piece of good chocolate.

My greatest achievement has been helping my co-workers to excel.

My biggest motivation is the fascination for the molecular world.

I lose track of time when writing a manuscript.

The best advice I have ever been given is to go abroad for a postdoc.

The downside of my job is the lack of time to follow all the interesting achievements by others.

My favorite saying is “When the going gets tough, the tough get going”.

I like refereeing because you are amongst the first to witness and enjoy the excitement of new discoveries (at least in some manuscripts).

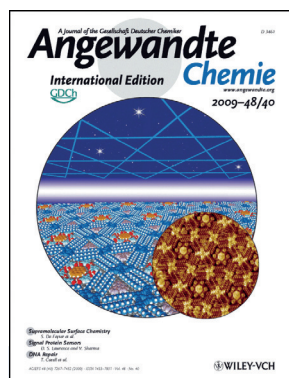
The biggest problem that scientists face is to have an impact on the general public and policy makers.

If I won the lottery, I would fund my own research. Unfortunately, I don’t play the lottery.

The most important thing I learned from my parents is perseverance.

My best investment was my PhD under the guidance of Prof. Frans De Schryver.

If I were not a scientist, I would be a medical doctor.



The work of S. De Feyter has been featured on the cover of *Angewandte Chemie*:

“Two-Dimensional Crystal Engineering: A Four-Component Architecture at a Liquid–Solid Interface”: J. Adisoejoso, K. Tahara, S. Okuhata, S. Lei, Y. Tobe, S. De Feyter, *Angew. Chem. Int. Ed.* **2009**, 48, 7353; *Angew. Chem.* **2009**, 121, 7489.

My 5 top papers:

1. “Covalent Modification of Graphene and Graphite Using Diazonium Chemistry: Tunable Grafting and Nanomanipulation”: J. Greenwood et al., *ACS Nano* **2015**, 9, 5520. (Covalently modified graphitic surfaces can be converted into pristine surface areas on the nanoscale.)
2. “Pasteurian Segregation on a Surface Imaged In Situ at the Molecular Level”: H. Xu, W. J. Saletta, P. Iavicoli, B. Van Averbek, A. P. H. J. Schenning, D. Beljonne, R. Lazzaroni, D. B. Amabilino, S. De Feyter, *Angew. Chem. Int. Ed.* **2012**, 51, 11981; *Angew. Chem.* **2012**, 124, 12147. (As part of a great team effort, we demonstrated molecular-scale enantioselective adsorption on surfaces.)
3. “Control and induction of surface-confined homochiral porous molecular networks”: K. Tahara, H. Yamaga, E. Ghijsens, K. Inukai, J. Adisoejoso, M. O. Blunt, S. De Feyter, Y. Tobe, *Nature Chemistry* **2011**, 3, 714. (Describes how molecular design influences the process of molecular information amplification.)
4. “Two-Dimensional Crystal Engineering: A Four-Component Architecture at a Liquid–Solid Interface”: J. Adisoejoso, K. Tahara, S. Okuhata, S. Lei, Y. Tobe, S. De Feyter, *Angew. Chem. Int. Ed.* **2009**, 48, 7353; *Angew. Chem.* **2009**, 121, 7489. (The beauty of science and molecular visualization.)
5. “Two-dimensional supramolecular self-assembly probed by scanning tunneling microscopy”: S. De Feyter, F. C. De Schryver, *Chem. Soc. Rev.* **2003**, 32, 139. (Brings together the achievements of different communities.)

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