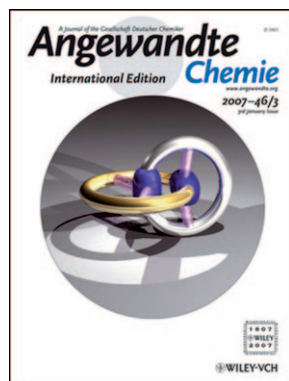




C. A. Schalley

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*:

"Anion Binding to Resorcinarene-Based Cavitands: The Importance of C–H...Anion Interactions": S. S. Zhu, H. Staats, K. Brandhorst, J. Grunenberg, F. Gruppi, E. Dalcanele, A. Lützen, K. Rissanen, C. A. Schalley, *Angew. Chem.* **2008**, *120*, 800–804; *Angew. Chem. Int. Ed.* **2008**, *47*, 788–792.



C. A. Schalley has also featured on the inside cover of *Angewandte Chemie*: "Oligothiophene-Based Catenanes: Synthesis and Electronic Properties of a Novel Conjugated Topological Structure": P. Bäuerle, M. Ammann, M. Wilde, G. Götz, E. Mena-Osteritz, A. Rang, C. A. Schalley, *Angew. Chem.* **2007**, *119*, 314; *Angew. Chem. Int. Ed.* **2007**, *46*, 310.

## Christoph A. Schalley

<b>Date of birth:</b>	March 31, 1968
<b>Nationality:</b>	German
<b>Position:</b>	Professor of Organic Chemistry and Modular Synthesis, Freie Universität Berlin (Germany)
<b>Education:</b>	1978–1987 Fichte-Gymnasium Krefeld (North Rhine Westfalia) 1988–1994 Chemistry, Universität Freiburg, TU Berlin 1994–1997 PhD with H. Schwarz: "Gas-Phase Ion Chemistry of Peroxides" (TU Berlin) 1998–1999 Postdoctoral fellow of the Deutsche Akademie der Naturforscher Leopoldina with J. Rebek, Jr. at The Scripps Research Institute, La Jolla (USA) 1999–2003 Habilitation: "Supramolecular Chemistry Going Gas Phase", Universität Bonn
<b>Professional associations:</b>	2003–2005 Privatdozent, Universität Bonn 2005–Present Freie Universität Berlin
<b>Awards:</b>	<b>1990</b> Fellow of the German National Merits Foundation, <b>1998</b> Schering award, <b>1999</b> Liebig fellowship (Fonds der Chemischen Industrie), <b>2003</b> Heisenberg fellowship (DFG), <b>2004</b> Dozentenstipendium (Fonds der Chemischen Industrie), <b>2006</b> Herzog-Mattauch award (German Society for Mass Spectrometry)
<b>Current research interests:</b>	Supramolecular chemistry, gas-phase chemistry, self-assembly, self-sorting, template effects, multivalency
<b>Hobbies:</b>	Downhill skiing, extended bike trips, and opera

**My favorite subject at school was...**mathematics, although I have forgotten most of it.

**When I was eighteen I wanted to be...**19 and to finish school.

**The most significant scientific advance of the last 100 years has been...**the observation that complex systems not only have interesting emergent properties, but also that they (at least in a strict sense) become unpredictable—an idea not always appropriately acknowledged by chemists.

**My favorite piece of research is...**the thermal rearrangement of (1*R*,4*S*,5*S*)-5-deutero-1,2-dimethylbicyclo[2.1.0]pent-2-ene to (1*R*,4*S*,5*S*)-5-deutero-2,3-dimethylbicyclo[2.1.0]pent-2-ene—formally a methyl shift decapitalizing the "S" at C(5).

**I chose chemistry as a career because...**my gut instinct told me so.

**My first experiment was...**at the age of 10 and was the generation of a smelly gas, unknown to me at that time, by electrolysis of a NaCl solution with a model-railroad transformer.

**The secret of being a successful scientist is...**taking morning showers long enough for exciting ideas to come up.

**The part of my job which I enjoy the most is...**teaching organic chemistry to the few truly curious students.

**If I could be a piece of lab equipment, I would be...**a supraconducting magnet—always charged and at the verge of the next spectacular quench.

### My 5 top papers:

1. "A Double Intramolecular Cage Contraction Within a Self-Assembled Metallo-Supramolecular Bowl": B. Brusilowskij, S. Neubacher, C. A. Schalley, *Chem. Commun.* **2009**, 785–787.
2. "Integrative Self-Sorting: Construction of a Cascade-Stoppered Hetero[3]Rotaxane": W. Jiang, H. D. F. Winkler, C. A. Schalley, *J. Am. Chem. Soc.* **2008**, *130*, 13852–13853.
3. "Anion Binding to Resorcinarene-Based Cavitands: The Importance of C–H...Anion Interactions": S. S. Zhu, H. Staats, K. Brandhorst, J. Grunenberg, F. Gruppi, E. Dalcanele, A. Lützen, K. Rissanen, C. A. Schalley, *Angew. Chem.* **2008**, *120*, 800–804; *Angew. Chem. Int. Ed.* **2008**, *47*, 788–792.
4. "Gas-Phase Host-Guest Chemistry of Dendritic Viologens and Molecular Tweezers: A Remarkably Strong Effect on Dication Stability": C. A. Schalley, C. Verhaelen, F.-G. Klärner, U. Hahn, F. Vögtle, *Angew. Chem.* **2005**, *117*, 481–485; *Angew. Chem. Int. Ed.* **2005**, *44*, 477–480.
5. "Second-Order Templatation: Deposition of Supramolecular Squares on Chloride-Covered Cu(100)-Surfaces": C. Safarowsky, L. Merz, A. Rang, P. Broekmann, B. A. Herrmann, C. A. Schalley, *Angew. Chem.* **2004**, *116*, 1311–1314; *Angew. Chem. Int. Ed.* **2004**, *43*, 1291–1294.

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