D. B. Werz

Daniel B. Werz

Date of birth:	October 12, 1975
Position:	Associate Professor of Organic Chemistry, Technische Universität Braunschweig
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Education:	1995–2000 Diploma in chemistry, Universities of Heidelberg and Bristol 2000–2003 PhD with Rolf Gleiter, University of Heidelberg 2004–2006 Postdoc with Peter H. Seeberger, ETH Zurich
Awards:	**2006** Klaus Grohe Award (Gesellschaft Deutscher Chemiker; GDCh, German Chemical Society); **2011** Dozentenstipendium (Fonds der Chemischen Industrie); **2014** ORCHEM Award (GDCh); **2015** JSPS Visiting Professorship (Kyoto University); ERC Consolidator Grant
Current research interests:	Development of elegant and efficient synthetic methods (e.g., using cyclopropanes, alkynes, arynes), heterocyclic chemistry, domino reactions, carbohydrates, and carbohydrate mimics
Hobbies:	Reading, hiking, skiing, and traveling

*The author presented on this page has published more than **10 articles** in Angewandte Chemie in the last 10 years, most recently:* "Formal *anti*-Carbopalladation Reactions of Non-Activated Alkynes: Requirements, Mechanistic Insights, and Applications": M. Pawliczek, T. F. Schneider, C. Maaß, D. Stalke, D. B. Werz, *Angew. Chem. Int. Ed.* **2015**, *54*, 4119; *Angew. Chem.* **2015**, *127*, 4192

A good work day begins with some unexpected results from my group.

In restrospect I would never again refuse to use computers when I grew up.

My favorite quote is "Work, finish, publish" (Michael Faraday).

The most significant scientific advance of the last 100 years has been digitization and networking of our world.

My favorite piece of research is Emil Fischer's structural elucidation of glucose.

The most important thing I learned from my parents is to be persistent in my goals.

If I could have dinner with three famous scientists from history, they would be Michael Faraday, Emil Fischer, and Albert Einstein.

If I were not a scientist, I would be a lawyer or an architect (either laws or structures are necessary for me).

The most exciting thing about my research is that ideas can be turned into matter.

My biggest motivation is to test again and again how much (or how little) I understand of nature.

I lose track of time when I draw proper chemical schemes that satisfy me.

Guaranteed to make me laugh is Loriot (a German humorist).

I would have liked to have discovered the structure of DNA.

My 5 top papers:

1. "π-Helicenes Truncated to a Minimum: Access Through a Domino Approach Involving Multiple Carbopalladations and a Stille Coupling": B. Milde, M. Leibeling, M. Pawliczek, J. Grunenberg, P. G. Jones, D. B. Werz, *Angew. Chem. Int. Ed.* **2015**, *54*, 1331; *Angew. Chem.* **2015**, *127*, 1347. (A novel type of π-helicenes based on an oligoene chain.)
2. "Flexible Synthesis of 2-Deoxy-C-Glycosides and (1→2)-, (1→3)-, and (1→4)-Linked C-Glycosides": D. C. Koester, E. Kriemen, D. B. Werz, *Angew. Chem. Int. Ed.* **2013**, *52*, 2985; *Angew. Chem.* **2013**, *125*, 3059. (A general entry to *C*-glycosides.)
3. "Domino Reactions of Donor–Acceptor-Substituted Cyclopropanes for the Synthesis of 3,3'-Linked Oligopyrroles and Pyrrolo[3,2-*e*]indoles": J. Kaschel, T. F. Schneider, D. Kratzert, D. Stalke, D. B. Werz, *Angew. Chem. Int. Ed.* **2012**, *51*, 11153; *Angew. Chem.* **2012**, *124*, 11315. (A showcase for how donor–acceptor cyclopropanes, domino reactions, and interesting heterocyclic chemistry can be merged.)
4. "From Furan to Molecular Stairs: Syntheses, Structural Properties, and Theoretical Investigations of Oligocyclic Oligoacetals": T. F. Schneider, J. Kaschel, S. I. Awan, B. Dittrich, D. B. Werz, *Chem. Eur. J.* **2010**, *16*, 11276. (Deconstruction of cyclopropanes leads to unusual molecular scaffolds.)
5. "Domino access to highly substituted chromans and isochromans from carbohydrates": M. Leibeling, D. C. Koester, M. Pawliczek, S. C. Schild, D. B. Werz, *Nat. Chem. Biol.* **2010**, *6*, 199. (Stereochemistry for free from sugars!)

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