



T. Braun

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*:  
 “A Highly Reactive Rhodium(I)–Boryl Complex as a Useful Tool for C–H Bond Activation and Catalytic C–F Bond Borylation”: M. Telteuwskoj, J. A. Panetier, S. A. Macgregor, T. Braun, *Angew. Chem.* **2010**, 122, 4039–4043; *Angew. Chem. Int. Ed.* **2010**, 49, 3947–3951.

## Thomas Braun

<b>Date of birth:</b>	August 14, 1968
<b>Position:</b>	Professor of Inorganic Chemistry at the Humboldt Universität zu Berlin (Germany)
<b>Education:</b>	1987–1993 Undergraduate studies at the Universität Würzburg (Germany) 1993–1996 Doctoral thesis with Prof. H. Werner, Universität Würzburg 1995 Research stay with Prof. P. H. Dixneuf, Université de Rennes I (France) 1997–2000 Postdoc with Prof. R. N. Perutz, University of York (England) 2000–2003 Habilitation (mentor: Prof. P. Jutzi), Universität Bielefeld (Germany)
<b>Professional associations:</b>	2003–2006 Privatdozent at the Universität Bielefeld 2006 Temporary professorship at the Universität Kassel
<b>Awards:</b>	<b>1997</b> Departmental Prize for Doctoral Thesis, <b>2006</b> Wöhler Award for Young Investigators of the GDCh, <b>2007</b> Fluorine Prize of the Royal Society of Chemistry
<b>Current research interests:</b>	New routes for the metal-mediated synthesis of fluorinated compounds by C–F activation; transition-metal–fluoro complexes; rhodium peroxo complexes for oxygenations; highly reactive iridium and rhodium complexes and their role in N–H and C–H activation reactions; activation of Si–Si bonds
<b>Hobbies:</b>	Cooking, running, and hiking

**The three qualities that make a good scientist are ...** creativity, persistence, and knowledge.

**My favorite subject at school was ...** chemistry, but also history.

**The biggest challenge facing chemists is ....** to gain public understanding and recognition.

**When I wake up I ...** prepare breakfast for my family.

**The most significant scientific advance of the last 100 years has been ...** among others, the discovery of penicillin.

**My science “heroes” are ...** L. C. Pauling, E. O. Fischer, and H. Moissan.

**In a nutshell, my research involves ...** taming highly reactive organometallic molecules.

**The most exciting thing about my research are ...** the unexpected results.

**My biggest motivation is ...** the challenge to solve scientific problems and create new concepts.

**The secrets of being a successful scientist are ...** curiosity and to be self-critical.

**The best advice I have ever been given is ...** “Don’t go with the mainstream”.

**The part of my job which I enjoy the most is ...** discussing scientific problems with my students.

**The most groundbreaking discovery in science in the past 100 years has been ...** revealing the structure of DNA.

### My 5 top papers:

1. “C–F Activation at Rhodium Boryl Complexes: Formation of 2-Fluoroalkyl-1,3,2-Dioxaborolanes by Catalytic Functionalization of Hexafluoropropene”: T. Braun, M. Ahijado-Salomon, K. Altenhöner, M. Telteuwskoj, S. Hinze, *Angew. Chem.* **2009**, 121, 1850–1854; *Angew. Chem. Int. Ed.* **2009**, 48, 1818–1822.
2. “Stepwise Oxygenation of Pinacolborane by a Rhodiumperoxo Complex: Detection of an Intermediate Metal Borate and Perborate”: M. Ahijado-Salomon, T. Braun, A. Penner, *Angew. Chem.* **2008**, 120, 8999–9003; *Angew. Chem. Int. Ed.* **2008**, 47, 8867–8871.
3. “C–F Activation of Fluorinated Arenes using NHC-stabilized Nickel(0) Complexes: Selectivity and Mechanistic Investigations”: T. Schaub, P. Fischer, A. Steffen, T. Braun, U. Radius, A. Mix, *J. Am. Chem. Soc.* **2008**, 130, 9304–9317.
4. “Catalytic C–F Activation of Hexafluoropropene by Rhodium: Formation of (3,3,3-Trifluoropropyl)silanes”: T. Braun, F. Wehmeier, K. Altenhöner, *Angew. Chem.* **2007**, 119, 5415–5418; *Angew. Chem. Int. Ed.* **2007**, 46, 5321–5324.
5. “Rhodium-Mediated Formation of Peroxides from Dioxygen: Isolation of Hydroperoxo, Silylperoxo, and Methylperoxo Intermediates”: M. Ahijado, T. Braun, D. Noveski, N. Kocher, B. Neumann, D. Stalke, H.-G. Stammer, *Angew. Chem.* **2005**, 117, 7107–7111; *Angew. Chem. Int. Ed.* **2005**, 44, 6947–6951.

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