



G. Hilt

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*: “Transition-Metal-Catalyzed Ring Opening of Hetero-Diels–Alder Adducts”: G. Hilt, *Angew. Chem.* **2009**, *121*, 6508–6511; *Angew. Chem. Int. Ed.* **2009**, *48*, 6390–6393.

## Gerhard Hilt

<b>Date of birth:</b>	February 13th, 1968
<b>Position:</b>	Professor of Organic Chemistry, Philipps-Universität Marburg (Germany)
<b>Education:</b>	1987–1992 Diploma in Chemistry with Prof. E. Steckhan, Rheinische Friedrich-Wilhelms-Universität, Bonn (Germany) 1992–1996 PhD with Prof. E. Steckhan, Rheinische Friedrich-Wilhelms-Universität, Bonn 1996–1998 Postdoc with Prof. M. F. Semmelhack, Princeton University (USA) 1998–1999 Postdoc with Prof. R. Noyori, Nagoya University (Japan) 1999–2002 Habilitation with Prof. P. Knochel, Ludwig-Maximilians Universität, Munich (Germany)
<b>Current research interests:</b>	New atom-economic and regiodivergent carbon–carbon bond-formation processes catalyzed by low-valent cobalt complexes, synthesis of acyclic natural products of medium complexity utilizing cobalt-catalyzed reactions as a key step, low-valent iron-catalyzed ring-expansion reactions of epoxides and oxetanes, quantification of Lewis acidity by an organic/physical organic chemistry approach, organic electrochemistry
<b>Hobbies:</b>	mushroom hunting, cooking, and archery

**The most significant advances in chemistry of this century have been ...** the advances made in organocatalysis.

**The biggest challenge facing chemists is ...** to regain acceptance in the general public.

**The most significant scientific advance of the last 100 years has been ...** the enormous advances in the life sciences, which have led to an understanding of biochemistry on a molecular level.

**If I could be anyone for a day, I would be ...** either Pharaoh Cheops to see how the great pyramid was actually built or King Minos of Crete to see what the palace of Knossos actually looked like in ancient times.

**The three things I would take to a desert island would be ...** the book “Beer Brewing for Dummies”, the ingredients to prepare sushi on your own, and my archery equipment.

**My most exciting discovery to date has been ...** the *meta*-selective cobalt-catalyzed Diels–Alder reaction.

**In ten years time I will be ...** 51, hopefully driving a Morgan Plus8, and I will have completed the investigations concerning the chemistry of low-valent cobalt complexes.

**The worst advice I have ever been given was ...** to leave school and start a career in a bank—on the other hand, I would have probably ruined at least one bank or company and would nevertheless be a millionaire thanks to my excellent contract.

**I would have liked to have discovered ...** the Grubbs metathesis catalysts and the Sonogashira coupling.

**A good work day begins with ...** a cup of caffeine-containing hot beverage provided by *Alissa*—our coffee machine.

**My favorite food is ...** sushi—and lots of sushi.

**My worst habit is ...** my impatience.

### My 5 top papers:

1. “Cobalt-Catalyzed Hydrovinylation as the Key Step in a Short Synthesis of Moenocinol”: G. Hilt, J. Treutwein, *Chem. Commun.* **2009**, 1395–1397.
2. “Cobalt-Catalyzed [4 + 2 + 2] Cycloaddition for the Synthesis of 1,3,6-Cyclooctatrienes”: G. Hilt, J. Janikowski, *Angew. Chem.* **2008**, *120*, 5321–5323; *Angew. Chem. Int. Ed.* **2008**, *47*, 5243–5245.
3. “Cobalt-Catalyzed Alder-Ene Reaction”: G. Hilt, J. Treutwein, *Angew. Chem.* **2007**, *119*, 8653–8655; *Angew. Chem. Int. Ed.* **2007**, *46*, 8500–8502.
4. “An Improved Catalyst System for the Iron-Catalyzed Intermolecular Ring-Expansion Reactions of Epoxides”: G. Hilt, P. Bolze, K. Harms, *Chem. Eur. J.* **2007**, *13*, 4312–4325.
5. “*meta*-Directing Cobalt-Catalyzed Diels–Alder Reactions”: G. Hilt, J. Janikowski, W. Hess, *Angew. Chem.* **2006**, *118*, 5328–5331; *Angew. Chem. Int. Ed.* **2006**, *45*, 5204–5206.

DOI: 10.1002/anie.200904969