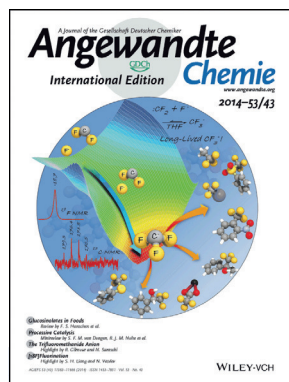




R. Haiges

The author presented on this page has recently published more than **25 articles** since 2000 in *Angewandte Chemie*, most recently: "Ammonia – (Dinitramido)boranes: High-Energy-Density Materials": G. Bélanger-Chabot, M. Rahm, R. Haiges, K. O. Christe, *Angew. Chem. Int. Ed.* **2015**, *53*, 11730; *Angew. Chem.* **2015**, *127*, 11896.



The work of R. Haiges has been featured on the cover of *Angewandte Chemie*: "Long-Lived Trifluoromethanide Anion: A Key Intermediate in Nucleophilic Trifluoromethylations": G. K. S. Prakash, F. Wang, Z. Zhang, R. Haiges, M. Rahm, K. O. Christe, T. Mathew, G. A. Olah, *Angew. Chem. Int. Ed.* **2014**, *53*, 11575; *Angew. Chem.* **2014**, *126*, 11759.

Ralf Haiges

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Education:	1997 Diplom, Bergische Universität Wuppertal 2000 PhD with Prof. Reint Eujen, Bergische Universität Wuppertal 2001–2004 Postdoctoral position with Prof. Karl O. Christe, USC
Awards:	2004 Arthur Adamson Postdoctoral Recognition Award, USC; 2011 Robert Bau Award, USC
Current research interests:	Energetic materials; fluorine chemistry; inorganic chemistry; polyazides; high-nitrogen compounds; high-oxygen carriers
Hobbies:	Electronics, photography, hiking

My favorite author (fiction) is Douglas Adams.

My favorite types of music are Alternative, Indie and Classic Rock.

My top three films of all time are *North by Northwest*, *Forrest Gump*, *The Shawshank Redemption*.

My favorite food is Swabian food such as "Maultaschen", "Rostbraten mit Spätzle", "Linsen und Spätzle mit Saitenwürsten".

My favorite quote is "Life is like a box of chocolates. You never know what you're gonna get" (from *Forrest Gump*).

When I'm frustrated, I head to the gym.

If I could have dinner with three famous scientists from history, they would be Albert Einstein, Marie Curie, and Richard Feynman.

And I would ask them if they'd rather have a pizza, too.

My best investment was the purchase of my first computer in 1984.

My not-so-secret passion is chocolate.

I lose track of time when hiking.

The worst advice I have ever been given was everything happens for a reason.

I can never resist pastries made by my wife, a pastry chef and chocolatier.

I celebrate success by enjoying a good bottle of wine with my wife.

My 5 top papers:

1. "First Structural Characterization of Binary As^{III} and Sb^{III} Azides": R. Haiges, A. Vij, J. A. Boatz, S. Schneider, T. Schroer, M. Gerken, K. O. Christe, *Chem. Eur. J.* **2004**, *10*, 508. (The start of my interest in metal polyazides.)
2. "High-Energy-Density Materials: Synthesis and Characterization of N₅⁺[P(N₃)₆][−], N₅⁺[B(N₃)₄][−], N₅⁺[HF₂][−]·nHF, N₅⁺[BF₄][−], N₅⁺[PF₆][−], and N₅⁺[SO₃F][−]": R. Haiges, S. Schneider, T. Schroer, K. O. Christe, *Angew. Chem. Int. Ed.* **2004**, *43*, 4919; *Angew. Chem.* **2004**, *116*, 5027. (Energetic compounds exceeding a nitrogen content of 90 wt %.)
3. "Polyazide Chemistry: The First Binary Group 6 Azides, Mo(N₃)₆, W(N₃)₆, [Mo(N₃)₇][−], and [W(N₃)₇][−], and the [NW(N₃)₄][−] and [NMo(N₃)₄][−] Ions": R. Haiges, J. A. Boatz, R. Bau, S. Schneider, T. Schroer, M. You-sufuddin, K. O. Christe, *Angew. Chem. Int. Ed.* **2005**, *44*, 1860; *Angew. Chem.* **2005**, *117*, 1894. (Synthesis of binary metal heptaazides and the crystal structure of highly sensitive tungsten hexaazide.)
4. "Nitryl Cyanide, NCNO₂": M. Rahm, G. Bélanger-Chabot, R. Haiges, K. O. Christe, *Angew. Chem. Int. Ed.* **2014**, *53*, 6893; *Angew. Chem.* **2014**, *126*, 7013. (An elusive high-energy-density material.)
5. "The Vanadium(V) Oxoazides [VO(N₃)₃], [(bipy)VO(N₃)₃], and [VO(N₃)₅]^{2−}": R. Haiges, M. Vasiliu, D. A. Dixon, K. O. Christe, *Angew. Chem. Int. Ed.* **2015**, *54*, 9101; *Angew. Chem.* **2015**, *127*, 9229. (Stabilization of metal polyazides through anion formation, adduct formation, and introduction of oxygen atoms.)

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