

Roland A. Fischer

Date of birth:	August 27, 1961
Nationality:	German
Position:	Chair of Inorganic Chemistry II–Organometallics and Materials Dean of the Ruhr University research school (GSC 98)
Education:	1971–1980 Finsterwalder-Gymnasium at Rosenheim (Bavaria) 1980–1981 Civil Service (Malteser Deutschland) 1981–1986 Chemistry, Technische Universität München (TUM) 1987–1989 PhD under the supervision of Wolfgang A. Herrmann, “Contributions to the Coordination Chemistry of Alkynes at Rhenium: Synthesis, Structures and Reactivity”, TUM 1989–1990 Postdoctoral position with Professor Herb D. Kaesz, “MOCVD of Pt and Cu thin films”, University of California, Los Angeles 1990–1995 Habilitation, Dr. rer. nat. habil. (Chemistry), “Transition-Metal Substituted Alanes, Gallanes and Indanes: Synthesis, Reactivity, Structures: Molecular Sources for Chemical Vapour Deposition of Binary Intermetallic Phases”, TUM
Professional associations:	1996–1997 Ruprecht Karls Universität Heidelberg 1997–Present Ruhr-Universität Bochum
Current research interests:	Coordination chemistry of Group 13 metals at transition metals, mixed-metal compounds, and clusters; non-aqueous colloid chemistry of nanoparticles (metals and metal oxides); nanocomposites based on porous host matrices, in particular metal-organic frameworks; heterogeneous catalysis; precursor chemistry for solid-state materials fabricated by chemical vapor deposition (CVD and MOCVD)
Hobbies:	Literature, performing arts (theatre in particular), and hiking



R. A. Fischer will be a member of the Angewandte Chemie Editorial Board from January 2009

Me, myself, and I

My favorite subject at school was...philosophy.

When I wake up I... quickly check my weight in the bathroom, before sitting down in front of the PC for the day's E-mails

The most significant scientific advance of this century has been...the trial to switch on the LHC at CERN.

If I could have dinner with three famous scientists from history, they would be...Hypatia of Alexandria, Leonardo da Vinci, and Marie Skłodowska Curie.

The three things I would take to a desert island would be...a sealed package of unknown content, a bunch of videotapes but without a video player, and a Wilson volleyball (see 'Tom Hanks' survival kit in "Cast Away").

My first experiment was...an attempt to analyze the composition of the smoke after blowing up a sample of black powder.

My most exciting discovery to date has been...the MoZn_{12} compound, I really love it.

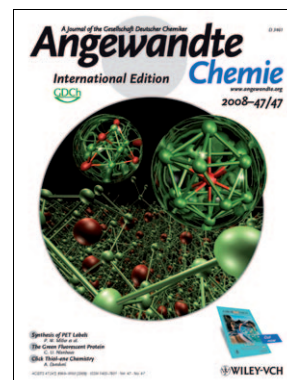
My biggest motivation is...the success of my students.

The best advice I have ever been given is...from my maths professor: "Make one mistake only once."

If I could be a piece of lab equipment, I would be...an X-ray diffractometer: it must be fun to see all the guys praying to me, the oracle.

My five top papers:

1. "β-CoGa and ε-NiIn-Films from Organometallic Single-Source Precursors: Ligand-Control of the Thin Film Composition": R. A. Fischer, W. Scherer, M. Kleine, *Angew. Chem.* **1993**, 32, 748–750; *Angew. Chem. Int. Ed.* **1993**, 32, 748–750.
2. "Detonations of Galliumazides: A Simple Route to Hexagonal GaN Nanocrystals": A. C. Frank, F. Stowasser, C. R. Miskys, O. Ambacher, M. Giersig, R. A. Fischer, *J. Am. Chem. Soc.* **1998**, 120, 3512–3513.
3. "AlCp* as a Directing Ligand: C-H and Si-H Bond Activation at the Reactive Intermediate $[\text{Ni}(\text{AlCp}^*)_3]$ ": T. Steinke, C. Gemel, M. Cokoja, M. Winter, R. A. Fischer, *Angew. Chem.* **2004**, 116, 2349–2352; *Angew. Chem. Int. Ed.* **2004**, 43, 2299–2302.
4. "Metal@MOF: Loading of Highly Porous Coordination Polymer Host Lattices by Metal Organic Chemical Vapor Deposition": S. Hermes, M.-K. Schröter, R. Schmid, L. Khodeir, M. Muhler, A. Tissler, R. W. Fischer, R. A. Fischer, *Angew. Chem.* **2005**, 117, 6394–6397; *Angew. Chem. Int. Ed.* **2005**, 44, 6237–6241.
5. "Twelve One-Electron Ligands Coordinating One Metal Center: Structure and Bonding of $[\text{Mo}(\text{ZnCH}_3)_9(\text{ZnCp}^*)_3]$ ": T. Cadenbach, T. Bollermann, C. Gemel, I. Fernandez, M. von Hopffgarten, G. Frenking, R. A. Fischer, *Angew. Chem.* **2008**, 120, 9290–9295; *Angew. Chem. Int. Ed.* **2008**, 47, 9150–9154 – featured on the cover (see above right).



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

"Functionalized Coordination Space in Metal-Organic Frameworks": R. A. Fischer, C. Wöll, *Angew. Chem.* **2008**, 120, 8285–8289; *Angew. Chem. Int. Ed.* **2008**, 47, 8164–8168.