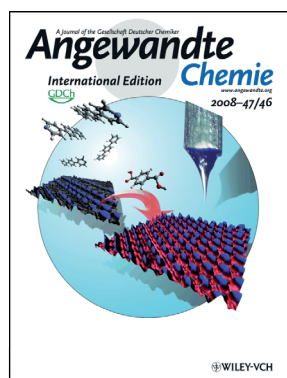




M. Ruben

The author presented on this page has recently published **10 articles** in *Angewandte Chemie* in the last 10 years, including:

“Nuclear Spin Isomers: Engineering a $\text{Et}_4\text{N}[\text{DyPc}_2]$ Spin Qudit”: E. Moreno-Pineda, M. Damjanović, O. Fuhr, W. Wernsdorfer, M. Ruben, *Angew. Chem. Int. Ed.* **2017**, *56*, 9915.



The work of M. Ruben has been featured on the inside cover of *Angewandte Chemie*:

“Ordering and Stabilization of Metal–Organic Coordination Chains by Hierarchical Assembly through Hydrogen Bonding at a Surface”: A. Langner, S. L. Tait, N. Lin, R. Chandrasekar, M. Ruben, K. Kern, *Angew. Chem. Int. Ed.* **2008**, *47*, 8835; *Angew. Chem.* **2008**, *120*, 8967.

Mario Ruben

Date of birth:	Exactly 150 years after Karl Marx
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Education:	1994 Diploma, University of Jena and Universidad del Pais Vasco, San Sebastian 1998 PhD supervised by Prof. Dr. D. Walther, University of Jena 1998–2000 postdoc with Prof. J.-M. Lehn, Université Louis Pasteur, Strasbourg
Awards:	2014 Zahradník Lecture Award, Palacký University Olomouc, Czech Republic
Current research interests:	Self-assembly and self-organization of molecules; surface-confined chemistry; molecular spintronic devices; molecular quantum technology
Hobbies:	Sports, science, and arts

The secret of being a successful scientist is to cross the borders of knowledge.

My favorite principle is currently the (Quantum) Einstein–de Haas effect.

My science “heroes” are the scientists who described quantum mechanics at the beginning of the last century.

If I had one year of paid leave I would immediately restart again to research on my PhD topic: CO_2 transformation.

The principal aspect of my personality is curiosity (a gift from my grandmother).

My favorite painter is my wife Maren Ruben.

My favorite composer is Alfred Schnittke, in particular for his violin concertos.

My favorite book is *Tractatus Logico-Philosophicus* by Ludwig Wittgenstein.

My motto is do not accept borders; go beyond your limits.

Chemistry is fun because it is primarily about infinite creativity.

The most significant historic event of the past 100 years was the fall of the Berlin Wall.

In a spare hour, I read a book.

My favorite time of day is the early morning; just before sunrise.

I admire creativity; the courage to think outside the box.

My favorite way to spend a holiday is to work as usual.

My 5 top papers:

1. “Color Theory in Science and Art: Ostwald and the Bauhaus”: P. Ball, M. Ruben, *Angew. Chem. Int. Ed.* **2004**, *43*, 4842; *Angew. Chem.* **2004**, *116*, 4948. (The clash of cultures when giants of arts and science come together.)
2. “Homo-coupling of terminal alkynes on a noble metal surface”: Y.-Q. Zhang et al., *Nat. Commun.* **2012**, *3*, 1286. (A catalyst-free C–C coupling reaction under surface-confinement gives access to 2D graphdiynes.)
3. “Electronic read-out of a single nuclear spin using a molecular spin-transistor”: R. Vincent, S. Klyatskaya, M. Ruben, W. Wernsdorfer, F. Balestro, *Nature* **2012**, *488*, 357. (Addressing electronically the nuclear spins of a single-molecule magnet.)
4. “Electrically driven nuclear spin resonance in single-molecule magnets”: S. Thiele, F. Balestro, R. Ballou, S. Klyatskaya, M. Ruben, W. Wernsdorfer, *Science* **2014**, *344*, 1135. (A single molecule acting as quantum object in an electronic circuit.)
5. “Divergent Coordination Chemistry: Parallel Synthesis of $[2 \times 2]$ Iron(II) Grid-Complex Tauto-Conformers”: B. Schäfer, J.-F. Greisch, I. Faus, T. Bodenstein, I. Šalitroš, O. Fuhr, K. Fink, V. Schünemann, M. M. Kappes, M. Ruben, *Angew. Chem. Int. Ed.* **2016**, *55*, 10881; *Angew. Chem.* **2016**, *128*, 11040. (How functional diversity originates in a tautomeric molecular structure.)

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