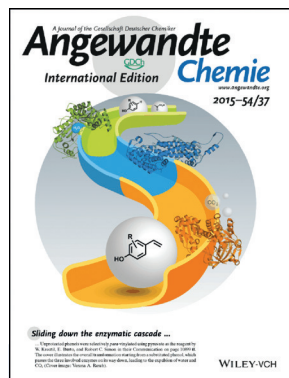




W. Kroutil

The author presented on this page has published more than **10 articles** in *Angewandte Chemie* in the last 10 years, most recently: "Catalytic Promiscuity of Transaminases: Preparation of Enantioenriched β -Fluoroamines by Formal Tandem Hydrodefluorination/Deamination": A. Cuetos, M. García-Ramos, E.-M. Fischereider, A. Díaz-Rodríguez, G. Grogan, V. Gotor, W. Kroutil, I. Lavandera, *Angew. Chem. Int. Ed.* **2016**, 55, 3144; *Angew. Chem.* **2016**, 128, 3196.



The work of W. Kroutil has been featured on the inside cover of *Angewandte Chemie*: "Vinylolation of Unprotected Phenols Using a Biocatalytic System": E. Busto, R. C. Simon, W. Kroutil, *Angew. Chem. Int. Ed.* **2015**, 54, 10899; *Angew. Chem.* **2015**, 127, 11049.

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Awards:	2003 Science Award, Austrian Chemical Society; 2012 Biocat Award, 6th International Congress of Biocatalysis; 2015 Biotrans Award, 12th Biotrans—International Symposium on Biocatalysis and Biotransformations
Current research interests:	Biocatalytic synthesis, asymmetric synthesis, enzymes in organic synthesis, enzyme mechanisms, C–C bond formation, redox enzymes, cascades, systems biocatalysis
Hobbies:	Gardening, swimming, handcraft, skiing, traveling

When I was eight, I wanted to be a surgeon.

Chemistry is fun because there is always something new and it is full of surprises.

My favorite painter is Salvador Dalí.

My favorite season is spring, when nature awakens after a cold winter.

My biggest inspiration is watching nature.

I get advice from friends, my wife and my daughter.

My favorite way to spend a holiday is with my family and without the internet.

My favorite composers include Andrew Lloyd Webber, Giuseppe Verdi, and Wolfgang Amadeus Mozart.

The talent I would like to be gifted with is playing the violin.

My favorite molecule is water, because it enables life and does not behave as expected.

If I could be anyone for a day, I would be Yoda (Star Wars).

My 5 top papers:

1. "Introducing an In Situ Capping Strategy in Systems Biocatalysis to Access 6-Aminohexanoic acid": J. H. Sattler, M. Fuchs, F. G. Mutti, B. Grischek, P. Engel, J. Pfeffer, J. M. Woodley, W. Kroutil, *Angew. Chem. Int. Ed.* **2014**, 53, 14153; *Angew. Chem.* **2014**, 126, 14377. (Circumvents product inhibition to form one of the most important building blocks for polymers.)
2. "Redox Self-Sufficient Biocatalyst Network for the Amination of Primary Alcohols": J. H. Sattler, M. Fuchs, K. Tauber, F. G. Mutti, K. Faber, J. Pfeffer, T. Haas, W. Kroutil, *Angew. Chem. Int. Ed.* **2012**, 51, 9156; *Angew. Chem.* **2012**, 124, 9290. (Biocatalytic "borrowing-hydrogen" concept for the amination of primary alcohols.)
3. "Biocatalytic Enantioselective Oxidative C–C Coupling by Aerobic C–H Activation": J. H. Schrittwieser, V. Resch, J. H. Sattler, W.-D. Lienhart, K. Durchschein, A. Winkler, K. Gruber, P. Macheroux, W. Kroutil, *Angew. Chem. Int. Ed.* **2011**, 50, 1068; *Angew. Chem.* **2011**, 123, 1100. (Opened novel synthetic routes to berberine alkaloids.)
4. "Orchestration of Concurrent Oxidation and Reduction Cycles for Stereoconversion and Deracemisation of *sec*-Alcohols": C. V. Voss, C. C. Gruber, K. Faber, T. Knaus, P. Macheroux, W. Kroutil, *J. Am. Chem. Soc.* **2008**, 130, 13969. (Proceeds with oxidative and reductive cofactor recycling systems running concomitantly without compartmentalization.)
5. "Formal Asymmetric Biocatalytic Reductive Amination": D. Koszelewski, I. Lavandera, D. Clay, G. M. Guebitz, D. Rozzell, W. Kroutil, *Angew. Chem. Int. Ed.* **2008**, 47, 9337; *Angew. Chem.* **2008**, 120, 9477. (Stereo-selective biocatalyzed amination of ketones at the expense of ammonia and a reducing agent.)

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