

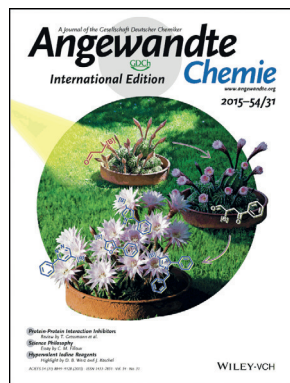


A. K. Yudin

The author presented on this page has recently published his **10th article** in *Angewandte Chemie* in the last 10 years:

“Synthesis of Previously Inaccessible Borylated Heterocycle Motifs Using Novel Boron-Containing Amphoteric Molecules”: P. Trinchera, V. B. Corless, A. K. Yudin, *Angew. Chem. Int. Ed.* **2015**, 54, 9038; *Angew. Chem.* **2015**, 127, 9166.

This work was also featured on the cover of *Angewandte Chemie*:



Andrei K. Yudin

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Education:	1992 Undergraduate degree, Moscow State University 1996 PhD supervised by G. K. Surya Prakash and George A. Olah, University of Southern California 1996–1998 Postdoctoral position with K. Barry Sharpless, The Scripps Research Institute, La Jolla
Awards:	2001 Cottrell Scholar Award, Research Corporation for Science Advancement; 2010 Fellow of the Royal Society of Chemistry; 2010 Bernard Belleau Award, Canadian Society for Chemistry; 2010 Merck Frosst Center for Therapeutic Research Award, Canadian Society for Chemistry; 2012 Fellow of the Royal Society of Canada; 2015 Rutherford Medal in Chemistry, Royal Society of Canada
Research:	Amphoteric molecules, macrocycles, boron heterocycles, synthesis of bioactive compounds
Hobbies:	Painting, golf

My favorite drink is a mojito.

Young people should study chemistry because rocket science is overrated.

The most important thing I learned from my students is to remember that I was in their shoes at some point.

My favorite painter is Paul Cézanne.

My favorite composer is Sergei Rachmaninoff.

Chemistry is fun because it lets you propose and test something ridiculous, outlandish, and not grounded in any reality. Then you have your colleagues think it is super cool.

The most significant historic event of the past 100 years was the October Revolution of 1917.

My favorite quote is “The past is never dead. It’s not even past” (William Faulkner).

My biggest inspiration is my father.

I get advice from Google and Jovana (my wife).

I advise my students to have a broader perspective on the problems they consider for their research careers.

The secret of being a successful scientist is to take rejections (papers, grants, etc.) in your stride.

My favorite concept is the null hypothesis.

My 5 top papers:

1. “Amphoteric α -Boryl Aldehydes”: Z. He, A. K. Yudin, *J. Am. Chem. Soc.* **2011**, 133, 13770. (Started what is now a very productive area of investigation.)
2. “Macrocyclization of Linear Peptides Enabled by Amphoteric Molecules”: R. Hili, V. Rai, A. K. Yudin, *J. Am. Chem. Soc.* **2010**, 132, 2889. (A way to “bend” linear peptides into conformations that are conducive to cyclization.)
3. “Amphoteric Amino Aldehydes Enable Rapid Assembly of Unprotected Amino Alcohols”: R. Hili, A. K. Yudin, *Angew. Chem. Int. Ed.* **2008**, 47, 4188; *Angew. Chem.* **2008**, 120, 4256. (The dimer-driven mechanism later explained selectivity in several other reactions.)
4. “Unusual Selectivity of Unprotected Aziridines in Palladium-Catalyzed Allylic Amination Enables Facile Preparation of Branched Aziridines”: I. D. G. Watson, S. A. Styler, A. K. Yudin, *J. Am. Chem. Soc.* **2004**, 126, 5086. (Allowed us to re-examine the generally accepted mechanism of amine allylation in the presence of palladium catalysts.)
5. “Practical Electrochemical Olefin Aziridination with a Broad Substrate Scope”: T. Siu, A. K. Yudin, *J. Am. Chem. Soc.* **2002**, 124, 530. (We learned how to differentiate thermodynamically similar species using the phenomenon of overpotential.)

International Edition: DOI: 10.1002/anie.201508280
German Edition: DOI: 10.1002/ange.201508280