



S. Chang

The author presented on this page has published more than **10 articles** in *Angewandte Chemie* in the last 10 years, most recently: "Synthesis of Aromatic Nitriles Using Nonmetallic Cyano-Group Sources": J. Kim, H. J. Kim, S. Chang, *Angew. Chem.* **2012**, 124, 12114–12125; *Angew. Chem. Int. Ed.* **2012**, 51, 11948–11959.

Sukbok Chang

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Position: Professor, Department of Chemistry, Korea Advanced Institute of Science and Technology (KAIST)
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Education: 1985 BSc, Korea University
 1987 MSc with Prof. Sunggak Kim, KAIST
 1996 PhD with Prof. Eric N. Jacobsen, Harvard University
 1996–1998 Postdoc with Prof. Robert H. Grubbs, California Institute of Technology
Awards: **2002** Young Scientist Award (Korean Chemical Society); **2005** Organic Chemistry Division Award (Korean Chemical Society); **2006** one of the best 50 research projects funded by the Korean Government (KOSEF); **2008** selected as "Star Faculty" (Korea Administration of Education and Science); **2010** Academic Award (Korean Chemical Society)
Current research interests: Development and mechanistic elucidation of transition-metal-catalyzed reactions based on the activation of molecules with low reactivity; application of these reactions to chemical processes
Hobbies: Hiking, reading, tennis

My favorite saying is ... "be persistent and never give up".

I admire ... anyone who inspires others and creates new ways of thinking.

If I could be any age I would be ... back in college and use vacations to travel to more places, especially the Himalayas and India.

My favorite time of day is ... after lunch, when I walk to a small hill on campus with a cup of coffee (taking 30 minutes).

My favorite name reactions are ... the Sharpless asymmetric epoxidation and dihydroxylation.

If I had one year of paid leave I would ... stay on an island with plenty of books and music files.

My favorite band and composer are ... The Beatles and Sergei Rachmaninoff.

Looking back over my career, I ... have been very fortunate to meet inspirational great mentors.

If I could be anyone for a day, I would be ... Leonardo da Vinci and William Shakespeare (maybe two days).

My first experiment was ... the synthesis of aspirin.

My 5 top papers:

1. "Copper-Catalyzed Hydrative Amide Synthesis with Terminal Alkyne, Sulfonyl Azide, and Water": S. H. Cho, E. J. Yoo, I. Bae, S. Chang, *J. Am. Chem. Soc.* **2005**, 127, 16046–16047. (Nonconventional hydrolytic amide synthesis using a copper-mediated three-component coupling reaction; one reactant is water.)
2. "Palladium-Catalyzed C–H Functionalization of Pyridine N-Oxides: Highly Selective Alkenylation and Direct Arylation with Unactivated Arenes": S. H. Cho, S. J. Hwang, S. Chang, *J. Am. Chem. Soc.* **2008**, 130, 9254–9256. (An early investigation of double dehydrogenative C–H activation of arenes.)
3. "Silver-Mediated Direct Amination of Benzoxazoles: Tuning the Amino Group Source from Formamide to Parent Amines": S. H. Cho, J. Y. Kim, S. Y. Lee, S. Chang, *Angew. Chem.* **2009**, 121, 9291–9294; *Angew. Chem. Int. Ed.* **2009**, 48, 9127–9130. (Silver-mediated direct C–H amination of heterocyclic compounds under mild conditions.)
4. "A New Combined Source of 'CN' from *N,N*-Dimethylformamide and Ammonia in the Palladium-Catalyzed Cyanation of Aryl C–H Bonds": J. Kim, S. Chang, *J. Am. Chem. Soc.* **2010**, 132, 10272–10274. (A serendipitous discovery of generating the cyano "CN" unit in situ from DMF and ammonia under copper-mediated oxidative conditions.)
5. "Rhodium-Catalyzed Intermolecular Amidation of Arenes with Sulfonyl Azides via Chelation-Assisted C–H Bond Activation": J. Y. Kim, S. H. Park, J. Ryu, S. H. Cho, S. H. Kim, S. Chang, *J. Am. Chem. Soc.* **2012**, 134, 9110–9113. (Catalytic direct C–H amidation of arenes using sulfonyl azides as the amino source to release molecular nitrogen as a single by-product.)

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