



K. Hirano

Koji Hirano

Date of birth:	May 3, 1980
Position:	Assistant Professor, Department of Applied Chemistry, Faculty of Engineering, Osaka University
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Education:	2003 Undergraduate degree, Kyoto University 2008 PhD with Prof. Koichiro Oshima, Kyoto University 2008 JSPS Postdoctoral fellow with Prof. Tamio Hayashi, Kyoto University
Awards:	2013 The Young Scholar's Lectureship Award, 93rd Annual Spring Meeting of the Chemical Society of Japan
Research:	Development of new synthetic methods (in particular transition-metal-catalyzed)
Hobbies:	Reading novels, journals, and magazines (manga), going to the movies

The author presented on this page has published more than **10 articles** in *Angewandte Chemie* in the last 10 years, most recently: "An Approach to Benzophosphole Oxides through Silver- or Manganese-Mediated Dehydrogenative Annulation Involving C–C and C–P Bond Formation": Y. Unoh, K. Hirano, T. Satoh, M. Miura, *Angew. Chem.* **2013**, 125, 13213; *Angew. Chem. Int. Ed.* **2013**, 52, 12975.

My worst nightmare is ... getting a terrible stomach ache from eating uncooked chicken.

My biggest motivation is ... to share the joy, success, and sometimes failure of research with my students.

I lose track of time when ... I play with my 11-month-old daughter.

The downside of my job is ... the lack of time to play with my daughter.

The best advice I have ever been given is ... "Think and act personally" by my third grade teacher.

When I'm frustrated, I ... go to bed as soon as possible.

My favorite author (fiction) is ... Seichō Matsumoto.

My favorite food is ... fish, particularly sashimi.

My favorite motto is ... "bench work over desk work".

What I look for first in a publication is ... beauty of the concept, design, molecules, and transformations.

The most important thing I learned from my parents is ... that there is no limit to excellence.

My favorite place on earth is ... the beautiful garden in my family home.

If I were not a scientist, I would be ... a doctor in the emergency room.

My 5 top papers:

1. "Regioselective and Stereospecific Copper-Catalyzed Aminoboration of Styrenes with Bis(pinacolato)diboron and *O*-Benzoyl-*N,N*-dialkylhydroxylamines": N. Matsuda, K. Hirano, T. Satoh, M. Miura, *J. Am. Chem. Soc.* **2013**, 135, 4934–4937. (The first reported regioselective, stereospecific, and enantioselective catalytic aminoboration of alkenes.)
2. "A New Entry of Amination Reagents for Heteroaromatic C–H Bonds: Copper-Catalyzed Direct Amination of Azoles with Chloroamines at Room Temperature": T. Kawano, K. Hirano, T. Satoh, M. Miura, *J. Am. Chem. Soc.* **2010**, 132, 6900–6901. (The introduction of an umpolung, electrophilic direct amination of aromatic C–H bonds.)
3. "Copper-Catalyzed Intermolecular Regioselective Hydroamination of Styrenes with Polymethylhydrosiloxane and Hydroxylamines": Y. Miki, K. Hirano, T. Satoh, M. Miura, *Angew. Chem.* **2013**, 125, 11030–11034; *Angew. Chem. Int. Ed.* **2013**, 52, 10830–10834. (A nice application of this electrophilic amination for the otherwise difficult regioselective and enantioselective hydroamination of β -substituted styrenes.)
4. "Copper-Mediated Intermolecular Direct Biaryl Coupling": M. Kitahara, N. Umeda, K. Hirano, T. Satoh, M. Miura, *J. Am. Chem. Soc.* **2011**, 133, 2160–2162. (Direct C–H/C–H biaryl coupling mediated by Cu alone.)
5. "Nickel-Catalyzed Direct C–H Arylation and Alkenylation of Heteroarenes with Organosilicon Reagents": H. Hachiya, K. Hirano, T. Satoh, M. Miura, *Angew. Chem.* **2010**, 122, 2248–2251; *Angew. Chem. Int. Ed.* **2010**, 49, 2202–2205. (My first contribution to the use of Ni catalysis in the field of C–H activation.)

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