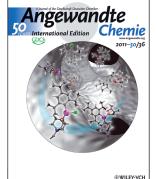






M. Sawamura

The author presented on this page has published more than 10 articles in Angewandte Chemie in the last 10 years, most recently: "Threefold Cross-Linked Polystyrene-Triphenylphosphane Hybrids: Mono-P-Ligating Behavior and Catalytic Applications for Aryl Chloride Cross-Coupling and C(sp3)-H Borylation": T. Iwai, T. Harada, K. Hara, M. Sawamura, Angew. Chem. 2013, 125, 12548-12552; Angew. Chem. Int. Ed. 2013, 52, 12322-12326.



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

"Palladium-Catalyzed Borylation of Sterically Demanding Aryl Halides with a Silica-Supported Compact Phosphane Ligand": S. Kawamorita, H. Ohmiya, T. Iwai, M. Sawamura, Angew. Chem. 2011, 123, 8513–8516; Angew. Chem. Int. Ed. 2011, 50, 8363–8366.

## Masaya Sawamura

**Date of birth**: December 15, 1961

Position: Professor, Department of Chemistry, Faculty of Science, Hokkaido University

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**Education**: 1984 BEng, Kyoto University

1989 PhD with Prof. Yoshihiko Ito, Kyoto University

1993-1994 Visiting scientist with Prof. Stuart L. Schreiber, Harvard University

Awards: 2008, 2012, and 2013 Asian Core Program Lectureship Award; 2012 The Chemical Society of

Japan Award for Creative Work

Current research Transition-metal catalysts based on functionalized solids; cooperative chiral catalysts; C-H

interests: functionalization; copper catalysis

**Hobbies**: Driving, walking in the forest, bird-watching, skiing

## My biggest inspiration is ... the Pacific Ocean.

advise my students to ... refresh their brains on Sundays.

My favorite way to spend a holiday is ... to relax in a hot-spring bath in nature.

My favorite reaction principle is ... cooperative catalysis.

My science "hero" is ... Galileo Galilei.

f I could be a piece of lab equipment, I would be ... a rotary evaporator.

My favorite painter is ... Katsushika Hokusai.

My favorite band is ... Queen.

My motto is ... to have a grateful heart for everyone who made me as I am.

am waiting for the day when someone will discover ... a method to solve the problem of slippery icecovered roads.

Chemistry is fun because ... chemists can make their design become reality by synthesis.

My favorite drink is ... Japanese sake, especially Tsukasa Botan, which is produced in my hometown.

## My 5 top papers:

- 1. "An Enantioselective Two-Component Catalyst System: Rh-Pd-Catalyzed Allylic Alkylation of Activated Nitriles": M. Sawamura, M. Sudoh, Y. Ito, *J. Am. Chem. Soc.* **1996**, *118*, 3309–3310. (A rare and early example of a two-metal enantioselective catalysis.)
- "Copper-Catalyzed γ-Selective Allyl Alkyl Coupling between Allylic Phosphates and Alkylboranes": H. Ohmiya, U. Yokobori, Y. Makida, M. Sawamura, J. Am. Chem. Soc. 2010, 132, 2895–2897. (Copper(I) catalysts made sp³-hybridized alkylboranes versatile nucleophiles.)
- 3. "Construction of Eight-Membered Carbocycles through Gold Catalysis with Acetylene-Tethered Silyl Enol Ethers": T. Iwai, H. Okochi, H. Ito, M. Sawamura, Angew. Chem. 2013, 125, 4333–4336; Angew. Chem. Int. Ed. 2013, 52, 4239–4242. (Novel gold(I) catalysts produced with semihollow-shaped substituted triethy-

- nylphosphines enabled otherwise very difficult cyclization reactions.)
- "Synthesis of Primary and Secondary Alkylboronates through Site-Selective C(sp³)—H Activation with Silica-Supported Monophosphine—Ir Catalysts": S. Kawamorita, R. Murakami, T. Iwai, M. Sawamura, J. Am. Chem. Soc. 2013, 135, 2947–2950. (A heterogeneous Ir catalyst enabled N-directed borylation of secondary C<sub>sp</sub>;—H bonds under mild conditions.)
- "Cooperative Catalysis of Metal and O-H···O/sp³-C-H···O Two-Point Hydrogen Bonds in Alcoholic Solvents: Cu-Catalyzed Enantioselective Direct Alkynylation of Aldehydes with Terminal Alkynes": T. Ishii, R. Watanabe, T. Moriya, H. Ohmiya, S. Mori, M. Sawamura, *Chem. Eur. J.* 2013, 19, 13547 13553. (The importance of C<sub>sp³</sub>-H···O hydrogen bonds in cooperative enantioselective catalysis.)