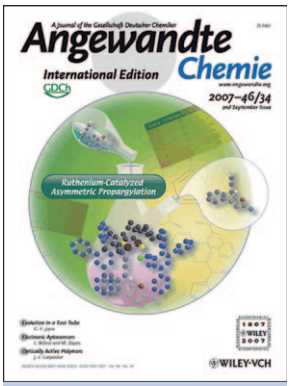
Y. Nishibayashi

*The author presented on this page has recently published his **10th article** since 2000 in Angewandte Chemie:* "Catalytic Cycloisomerization of 1,5-Enynes to 1,3-Cyclohexadienes via Ruthenium Vinylidene Intermediates": K. Fukamizu, Y. Miyake, Y. Nishibayashi, *Angew. Chem.* **2009**, *121*, 3841 – 3843; *Angew. Chem. Int. Ed.* **2009**, *48*, 2534 – 2537.



Y. Nishibayashi has also featured on the cover of Angewandte Chemie: "Ruthenium-Catalyzed Enantioselective Propargylation of Aromatic Compounds with Propargylic Alcohols via Allenylidene Intermediates": H. Matsuzawa, Y. Miyake, Y. Nishibayashi, *Angew. Chem.* **2007**, *119*, 6501; *Angew. Chem. Int. Ed.* **2007**, *46*, 6381

Yoshiaki Nishibayashi

Date of birth:	8 January, 1968
Nationality:	Japanese
Position:	Associate Professor, Institute of Engineering Innovation, School of Engineering, University of Tokyo (Japan)
Education:	1987–1991 Undergraduate, Kyoto University (Japan) 1991–1993 MSc, Kyoto University 1993–1995 PhD with Professor S. Uemura, "Studies on the Preparation and Synthetic Use of Novel Organochalcogen Compounds", Kyoto University
Professional associations:	1995–2000 Assistant Professor, University of Tokyo 2000–2005 Assistant Professor, Kyoto University 2005–Present Associate Professor, University of Tokyo
Awards:	2001 Young Chemist Award of Chemical Society of Japan 2005 Minister Award for Distinguished Young Scientists, Japan
Current research interests:	Development of novel nitrogen-fixation systems under very mild reaction conditions by using transition-metal complexes; development of novel catalytic reactions, which include asymmetric synthesis
Hobbies:	Watching and playing baseball

My first experiment was… the Wittig reaction to prepare chiral allenes.

If I wasn't a scientist, I would be…a historian.

My biggest motivation is…"Chance favors the prepared mind"—Louis Pasteur.

My favorite subject at school was…(Japanese) history.

When I was eighteen I wanted to be…a professional baseball player.

If I could be anyone for a day, I would be…Cristiano Ronaldo (Manchester United Football Club).

If I could have dinner with three famous scientists from history, they would be…Fritz Haber, Sir Geoffrey Wilkinson, and Kenichi Fukui.

The best advice I have ever been given is…from Prof. Sakae Uemura (Kyoto University) "If you want to be happy for an hour, buy a bottle of wine; if you want to be happy for a week, slaughter a pig; if you want to be happy for a year, get married; if you want to be happy for your life, enjoy your work."—Vladimir Prelog.

My ultimate goal is to…prepare artificial nitrogenase.

The most groundbreaking discovery in science in the past 100 years has been…the Haber–Bosch process.

My favorite food is…Sushi.

My favorite musician is…Enya.

My 5 top papers:

1. "Bimetallic System for Nitrogen Fixation: Ruthenium-Assisted Protonation of Coordinated N_2 on Tungsten with H_2": Y. Nishibayashi, S. Iwai, M. Hidai, *Science* **1998**, *279*, 540 – 542.
2. "A Non-Metal System for Nitrogen Fixation": Y. Nishibayashi, M. Saito, S. Uemura, S. Takekuma, H. Takekuma, Z. Yoshida, *Nature* **2004**, *428*, 279 – 280.
3. "Ruthenium-Catalyzed Propargylic Substitution Reactions of Propargylic Alcohols with Oxygen-, Nitrogen-, and Phosphorus-Centered Nucleophiles": Y. Nishibayashi, M. D. Milton, Y. Inada, M. Yoshikawa, I. Wakiji, M. Hidai, S. Uemura, *Chem. Eur. J.* **2005**, *11*, 1433 – 1451.
4. "Ruthenium-Catalyzed Asymmetric Propargylic Substitution Reaction of Propargylic Alcohols with Acetone": Y. Inada, Y. Nishibayashi, S. Uemura, *Angew. Chem.* **2005**, *117*, 7893 – 7895; *Angew. Chem. Int. Ed.* **2005**, *44*, 7715 – 7717.
5. "Copper-Catalyzed Asymmetric Propargylic Substitution Reactions of Propargylic Acetates with Amines": G. Hattori, H. Matsuzawa, Y. Miyake, Y. Nishibayashi, *Angew. Chem.* **2008**, *120*, 3841 – 3843; *Angew. Chem. Int. Ed.* **2008**, *47*, 3781 – 3783.

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