

## Seiji Mori

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### Education

1995 – 1998 Ph. D. The University of Tokyo (Chemistry)

1993 – 1995 M. Sc. Tokyo Institute of Technology (Chemistry)

1989 – 1993 B. S. Tokyo Institute of Technology (Chemistry)

### Professional Career

2012.04– Present Professor of Chemistry, Faculty of Basic Natural Science, Ibaraki University

2022.04–Present Director of the Institute of Quantum Beam Science, Ibaraki University

2021.04–2022.03 Chairperson of Science and Chemistry, Faculty of Science, Ibaraki University

2015.04–2017.03 Assistant Vice President for International Strategy, Ibaraki University

2014.04–2015.03 Chairperson of Chemistry, Faculty of Science, Ibaraki University

2001.04 – 2012.03 Associate Professor of Chemistry, Faculty of Science, Ibaraki University

2000.10 – 2001.03 Assistant Professor of Chemistry, Faculty of Science, Ibaraki University

1998.04-2000.9 JSPS postdoctoral fellowship

1998.6-2000.3 Visiting Scholar, Department of Chemistry, Emory University, USA

### Selected Publications

1. Rie Yoshimoto, Attila Taborosi, Qiyuan He, Yusuke Ano, Naoto Chatani, Seiji Mori,\* Theoretical Investigations of Palladium-Catalyzed [3+2] Annulation via Benzylic and meta C–H Bond Activation, *Chem Asian J.* **2023**, e202300531.
2. Chien-Tien Chen\*, Yu-Cheng Su, Chia-Hao Lu, Chien-I Lien, Shiang-Fu Hung, Chan-Wei Hsu, Rachit Agarwal, Ramuasagar Modala, Hung-Min Tseng, Pin-Xuan Tseng, Ryoma Fujii, Kyohei Kawashima, and Seiji Mori\*, Enantioselective Radical Type, 1,2-Oxytrifluoromethylation of Olefins Catalyzed by Chiral Vanadyl Complexes: Importance of Noncovalent Interactions, *ACS Catalysis*, **2021**, *11*, 7160-7175.
3. Hiroaki Mitsuizumi, Seiji Mori,\* Combined MD and QM/MM Investigations of Hydride Reduction of 5 $\alpha$ -Dihydrotestosterone Catalyzed by Human 3 $\alpha$ -Hydroxysteroid Dehydrogenase Type 3: Importance of Noncovalent Interactions, *J. Phys. Chem. B.* **2021**, *125*, 4998-5008.
4. Martin C Schwarzer, Ryosuke Konno, Takayuki Hojo, Akimichi Ohtsuki, Keisuke Nakamura, Ayaka Yasutome, Hiroaki Takahashi, Toshiaki Shimasaki, Mamoru Tobisu,\* Naoto Chatani,\* Seiji Mori,\* Combined Theoretical and Experimental Studies of Nickel-Catalyzed Cross-Coupling of Methoxyarenes with Arylboronic Esters via C–O Bond Cleavage, *J. Am. Chem. Soc.* **2017**, *139*, 10347-10358.

### Research Interests

1. Mechanisms of organic and organometallics reactions.
2. Homogeneous Catalysis.
3. Noncovalent interactions.

### Awards

- The Chemical Society of Japan      Young Scholar Lectureship (2001)
- JSPS      JSPS-DAAD fellowship (2005)
- Emory University      Cherry L. Emerson Center visiting fellowship award  
(2006)
  
- Ibaraki University      Teaching Award (2007, with Prof. Oriyama)
- The Chemical Society of Japan      BCSJ award (2014)