

Kohsuke MORI

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Education

2000 – 2003 Ph. D. Osaka University (Chemical Engineering)

1999 – 2000 M. S. Osaka University (Chemical Engineering)

1995 – 1999 B. S. Osaka University (Chemical Engineering)

Professional Career

2015.01– Present Presto, JST Researcher (concurrent post)

2012.09 – Present Associate Professor, ESICB, Kyoto University (concurrent post)

2009.04 – Present Associate Professor, Grad. School of Eng., Osaka University

2005.12 – 2009.03 Assistant Professor, Grad. School of Eng., Osaka University

2005.04 – 2005.11 Assistant Professor, Grad. School of Eng. Sci., Osaka University

2004.03 – 2005.01 Post-doctoral fellow, University of California, Berkeley

2003.04 – 2005.03 JSPS research fellow

Selected Review Publications

1. K. Mori and H. Yamashita, “Design Strategy of Supported Metal Complexes on the Solid Matrices for Visible-Light-Driven Molecular Transformations”, *Chem. Eur. J.*, 2016, 22, 11122-11137.
2. K. Mori and H. Yamashita, “Progress in Design and Architecture of Metal Nanoparticles for Catalytic Applications”, *PhysChemChemPhys*, 2010, 12, 14420-14432.

Research Interests

1. Metal and alloy nanoparticles for catalytic applications in the search for ways to develop clean energy and establish environmental purification processes.
2. Hybrid photocatalysts combined with visible-light-responsive metal complexes and inorganic matrices in the H₂ evolution and selective oxidation reactions.
3. Diesel automobile catalysts to remove carbon particulate matters and NO_x gases.

Award

1. The Japan Institute of Metals and Materials 「Meritorious Award 2017」
2. Catalysis Society of Japan 「Young Scientist Award 2012」
3. The Japan Petroleum Institute 「Award for Encouragement of Research and Development 2010」
4. Royal Society of Chemistry 「Physical Chemistry Chemical Physics Prize 2010」
5. International Association of Catalysis Society 「Young Scientist Award 2008」
6. The Japan Institute of Metals and Materials 「Young Researcher Award 2007」