

Curriculum Vitae

Toshifumi Tatsumi

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Education / Career

2012.3 **BS**

Department of Science, University of Hyogo

Under the supervision of Prof. Takashi Sugimura

2014.3 **Master**

Graduate School of Material Science, University of Hyogo

Under the supervision of Prof. Takashi Sugimura

2017.3 **Ph.D.**

Graduate School of Material Science, University of Hyogo

Under the supervision of Prof. Takashi Sugimura

2017.4-present **Postdoctoral Fellows**

Graduate School of Pharmaceutical Sciences, The university of Tokyo (Prof. Motomu Kanai)

Fellowship

2014.4-2015.3 JGC-S Scholarship

2015.4-2017.3 Teraura Scholarship

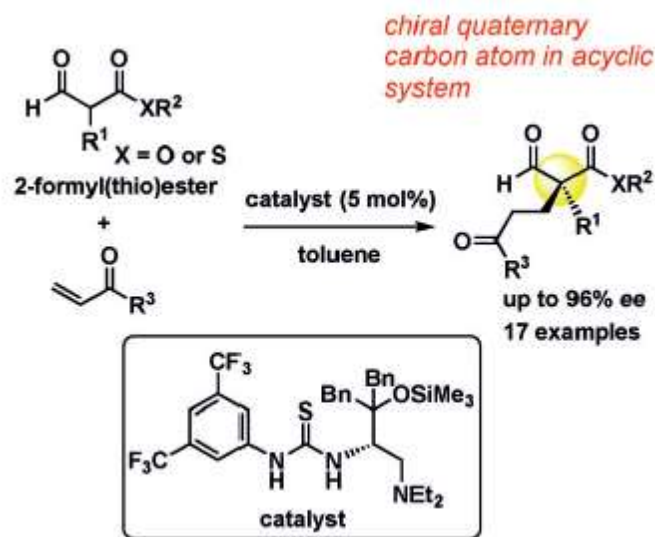
Membership

The chemical Society of Japan

Publication

1. "Organocatalytic 1,4-addition Reaction of 2-Formyl(thio)esters to Vinylketones: An Efficient Access to Acyclic Building Blocks with a Quaternary Carbon Stereocenter," **Tatsumi, T.**; Misaki, T.; Sugimura, T. *Chem. Eur. J.* **2015**, *21*, 18971-18974.

<Featured in Org. Chem. Portal. Highlights 2016, July 16, ChemInform 2016,47(20)>

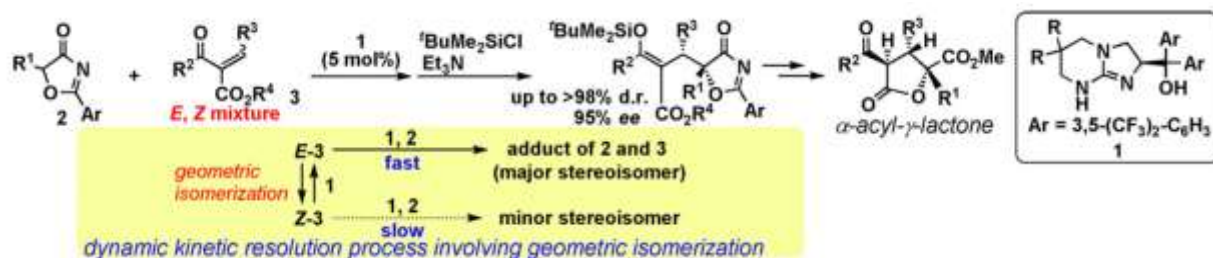


2. "Stereoconvergent 1,4-Addition Reaction of 5H-Oxazol-4-ones with *E,Z* Isomeric Mixture of Alkylidene β -Ketoesters Catalyzed by Chiral Guanidines."

Misaki, T.; **Tatsumi, T.**; Okamoto, T.; Hayashi, Y.; Jin, N.; Sugimura, T. *Chem. Eur. J.* **2018**, *24*, 9778-9782.

<Selected as Hot Paper in *Chem. Eur. J.*>

<Highlighted by Hot Topic: Organocatalysis>



Presentation in international/Foreign conference

1. Toshifumi Tatsumi, Tomonori. Misaki, Takashi. Sugimura
“Development of Asymmetric Conjugate Addition Reactions of α -Formylthioesters Involving a Chiral Quarternary Carbon Atom Construction Catalyzed by Organocatalysts”
Novel Design Surface and Catalysis for Greener Future: C&FC Pre-Symposium on Catalysis and Fine Chemicals 2013 (Hyogo, 2013) [Poster Presentation]
<Poster Presentation Award was received.>
2. Toshifumi Tatsumi, Tomonori Misaki, Takashi Sugimura
“Development and Application of Asymmetric Conjugate Addition of β -carbonylestere to vinyl Ketones Involving Chiral Quarternary Carbon Atom Construction Catalyzed by Organocatalysts”
THE 39th NAITO CONFERENCE ON THE CHEMISTRY OF ORGANOCATALYST,
(Hakkaido, 2015) [Short oral presentation & Poster Presentation]
3. Tomonori Misaki, Toshifumi Tatsumi, Takashi Sugimura
“Development of C-C Bond Forming Reaction Involving Chiral Quarternary Carbon Atom Construction Using Bifunctional Organocatalysts”
2015 Internartional Chemical Congress Pacific Basin Societies, (USA, 2015) [Poster Presentation]
4. Toshifumi Tatsumi, Tomonori Misaki, Takashi Sugimura
“Organocatalytic Asymmetric 1,4-Addition Reaction of 2-Formylthioesters to vinyl Ketones Involving Chiral Quarternary Carbon Atom Construction”
Molecular Chirality Asia 2016, knowledge Capital Congress Convention Center, (Osaka, 2016) [Poster Presentation]
5. Toshifumi Tatsumi, Tomonori Misaki, Takashi Sugimura
“Develoement and Application of Organocatalytic Asymmetric 1,4-Addition Reaction of 2-Formylthioesters to vinyl Ketones Involving Chiral Quarternary Carbon Atom Construction”
Internatiol Symposium on Catalysis and Fine chemicals 2016, (Taipei, 2016) [Short Oral Presentation & Poster Presentation]
<Selected as young oral presentation program.>
6. Toshifumi Tatsumi, Kei Ito, Kazuki Takahashi, Yohei Shimizu, Kenzo Yamatsugu, Motomu Kanai
“Development of Stable Linker for SN-38 Drug Delivery”
The Ninth International Forum on Chemistry of Functional Organic Chemicals (Tokyo, 2018) [Poster Presentation]

References

Takashi Sugimura, Ph.D., Professor

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