

个人简介 | Associate Professor Dr. Terumasa Kato (加藤 輝将 副教授)

Terumasa Kato (加藤 輝将)

博士，副教授 (男)

广东工业大学

广州大学城外环西路 100 号，中国广东省广州市番禺区

电话 13160830752

E-mail: terumasa.kato.j97@kyoto-u.jp

出生日期: 1987 年 6 月 19 日

籍贯: 日本, 爱知



教育经历

2013-2016, 博士, 日本名古屋工业大学, 材料科学与工程学院(导师 Prof. Masato Suzuki)

2011-2013, 硕士, 日本名古屋工业大学, 材料科学与工程学院(导师 Prof. Masato Suzuki)

2007-2011, 学士, 日本名古屋工业大学, 生命与材料工程学院

工作经历

2019-至今 副教授, 广东工业大学, Keiji Maruoka 教授研究组

2016-2019 博士后, 日本京都大学理学院, (导师 Prof. Keiji Maruoka)

CURRICULUM VITAE

Personal

Name: Terumasa Kato (加藤 輝将)
Gender: Male
Date of birth: June 19th, 1987
Birthplace: Mie, Japan
Contact address: No. 100, West Waihuan Road, HEMC, Panyu District, Guangzhou, 510006, China.
E-mail address: terumasa.kato.j97@kyoto-u.jp
ORCID

Education

2013 – 2016 Ph.D. Department of Materials Science and Engineering,
Nagoya Institute of Technology. Aichi, Japan.
(Advisor: Prof. Masato Suzuki)
2011 – 2013 M.S. Department of Materials Science and Engineering,
Nagoya Institute of Technology. Aichi, Japan.
(Advisor: Prof. Masato Suzuki)
2007 – 2011 B.S. Department of Life and Materials Engineering,
Nagoya Institute of Technology. Aichi, Japan.

Research and Professional Experience

2019 – present Associate Professor
School of Chemical Engineering and Light Industry, Guangdong
University of Technology, Guangzhou, China.
(Advisor: Prof. Keiji Maruoka)
2016 – 2019 Postdoctoral Fellow
Graduate School of Faculty of Sciences, Kyoto University, Kyoto,
Japan. (Advisor: Prof. Keiji Maruoka)

Publication List

1. Terumasa Kato, and Keiji Maruoka. "Design of Bowl-Shaped *N*-Hydroxyimide Derivatives as New Organoradical Catalysts for Site-Selective C(sp³)-H Bond Functionalization Reactions" *Angew. Chem. Int. Ed.*, Accepted Article. DOI: 10.1039/anie.202003982.
2. Hanbin Lu, Jiamin Lv, Canhua Zhou, Terumasa Kato, Yan Liu, and Keiji Maruoka. "Practical Synthesis of High-Performance Amino Tf-Amide Organocatalysts for Asymmetric Aldol Reactions" *Asian, J. Org. Chem.* **2020**, *9*, 206–209.
3. Takumi Seihara, Shunya Sakurai, Terumasa Kato, Ryu Sakamoto, and Keiji Maruoka, "Synthesis of Functionalized Organoboron/Silicon Compounds by Copper Catalyzed Coupling of Alkylsilyl Peroxides and Diboron/Silylborane Reagents" *Org. Lett.*, **2019**, *21*, 2477–2481.
4. Kevin A. Juárez-Ornelas, J. Oscar C. Jiménez-Halla, Terumasa Kato, César R. Solorio-Alvarado, and Keiji Maruoka. "Iodine(III)-Catalyzed Electrophilic Nitration of Phenols via Non-Brønsted Acidic NO₂⁺ Generation" *Org. Lett.*, **2019**, *21*, 1315–1319.
5. Shunya Sakurai, Terumasa Kato, Ryu Sakamoto, and Keiji Maruoka, "Generation of Alkyl Radicals from Alkylsilyl Peroxides and Their Applications to C-N or C-O Bond Formations" *Tetrahedron*, **2019**, *75*, 172–179.
6. Ryu Sakamoto, Terumasa Kato, Shunya Sakurai, and Keiji Maruoka. "Copper-Catalyzed C(sp)-C(sp³) Coupling of Terminal Alkynes with Alkylsilyl Peroxides via a Radical Mechanism" *Org. Lett.*, **2018**, *20*, 1400–1403.
7. Terumasa Kato, Shin-ichi Matsuoka, and Masato Suzuki. "*N*-Heterocyclic Carbene-Mediated Redox Condensation of Alcohols" *Chem. Commun.* **2016**, *52*, 8569–8572.
8. Terumasa Kato, Shin-ichi Matsuoka, and Masato Suzuki. "Transfer Hydrogenation Promoted by *N*-Heterocyclic Carbene and Water" *Chem. Commun.*, **2015**, *51*, 13906–13909.
9. Terumasa Kato, Shin-ichi Matsuoka, and Masato Suzuki. "Cooperative *N*-Heterocyclic Carbene/Bronsted Acid Catalysis for the Tail-to-Tail (Co)dimerization of Methacrylonitrile" *J. Org. Chem.*, **2014**, *79*, 4484–4491.
10. Terumasa Kato, Yoshiya Ota, Shin-ichi Matsuoka, Koji Takagi, and Masato Suzuki "Mechanistic Studies of the Tail-to-Tail Dimerization of Methyl Methacrylate Catalyzed by *N*-Heterocyclic Carbene" *J. Org. Chem.* **2013**, *78*, 8739–8747.