

Hideki Yorimitsu

Short Biography

2015- Professor, Department of Chemistry, Kyoto Univ.
2009-15 Associate Professor, Department of Chemistry, Kyoto Univ.
2008-09 Associate Professor, Department of Material Chemistry, Kyoto Univ.
2003-08 Assistant Professor, Department of Material Chemistry, Kyoto Univ.
2002-03 JSPS Postdoctoral Fellow, Univ. Tokyo (with Prof. Eiichi Nakamura)
2002 PhD, Kyoto Univ. (with Prof. Koichiro Oshima)
1997 BS, Kyoto Univ.



Recent Additional Service

2019- Associate Editor, SYNTHESIS, Thieme
2019- Project Leader, CREST, Japan Science and Technology Agency (JST)
2025- Vice-Chair, Organic Chemistry Division, The Chemical Society of Japan
2025 Co-Chair, OMCOS-22 (September 1-5, 2025, 22nd IUPAC International Symposium on Organometallic Chemistry Directed towards Organic Synthesis)

Recent Awards/Recognitions

2024 Distinguished Professor of Science, Hong Kong Baptist University
2023 Swiss Chemical Society Lectureship Award
2020 Japan Academy Medal
2020 JSPS Prize
2018 Negishi Award (from JST)
2016 Mukaiyama Award (from Synth. Org. Chem. Soc. Jpn.)
2011 The Young Scientists' Prize (from the MEXT Minister)

Research Interest

organic synthesis, organometallic chemistry, carbanion chemistry, transition metal catalysts, synthetic radical chemistry, organosulfur chemistry, aromatic metamorphosis

Key Accounts/Reviews

“Aromatic Metamorphosis: Skeletal Editing of Aromatic Rings”
Acc. Chem. Res. **2025**, 58, 1323–1334.
“Utilization of Silanols in Transition Metal-Catalyzed Organic Synthesis”
ACS Catal. **2023**, 13, 7472–7487.
“Sulfonium-aided coupling of aromatic rings via sigmatropic rearrangement”
Proc. Jpn. Acad., Ser. B **2022**, 98, 190–205.
“Carbon–Carbon Bond Cleavage at Allylic Positions: Retro-allylation and Deallylation”
Chem. Rev. **2021**, 121, 345–364.
“Catalytic Transformations of Sulfonium Salts via C–S Bond Activation”
Chem. Rec. **2021**, 21, 3356–3369.
“Catalytic C–H Arylation of Tetrathiafulvalenes for the Synthesis of Functional Materials”
Synthesis **2020**, 52, 3326–3336.
“C–S Bond Activation”
Top. Curr. Chem. **2018**, 376, No. 13.
“Aromatic metamorphosis: conversion of an aromatic skeleton into a different ring system”
Chem. Commun. **2017**, 53, 4055–4065.