

Publications (as of November 5, 2025)

Original Papers

- (382) “Photoredox catalysed reductive cleavage of dibenzothiophene dioxides enabled by a temperature-controlled photoreactor” Siyuan Wang, Quang Truong Le, Yoshiteru Shishido, Ismail Y. Kokculer, Ken Yamazaki, Gregory J. P. Perry, Adrian M. Nightingale, and Hideki Yorimitsu, *Chem. Sci.* **2025**, *16*, in press (DOI: 10.1039/D5SC05889A).
- (381) “Energy-Transfer Excitation of Dibenzothiophene S-Oxide Induces Oxomethylation of Styrenes” Saki Maejima, Ban Kinoshita, Ryota Wakabayashi, Manabu Abe, and Hideki Yorimitsu, *Org. Lett.* **2025**, *27*, 11678–11683 (DOI: 10.1021/acs.orglett.5c03852).
- (380) “Silylation of Aryl and Alkyl Chlorides by a Seven-Membered Dialkoxysilyl Group Si(pan)Me via an In Situ Generated Silylpotassium” Kenshiro Hitoshio, Jun Shimokawa, and Hideki Yorimitsu, *Angew. Chem. Int. Ed.* **2025**, *64*, e202424183. (DOI: 10.1002/anie.202424183).
- (379) “Methoxydioxasilepane: A Versatile and Stable Synthetic Precursor of Trimethoxysilane” Kenshiro Hitoshio, Takuto Morinaga, Ryohei Sahashi, Shinya Goshona, Hiroki Yamagishi, Hayate Saito, Jun Shimokawa, and Hideki Yorimitsu, *Synthesis* **2025**, *57*, 1475–1480. (DOI: 10.1055/a-2408-7577).
- (378) “Aryl Silyl Ethers Enable Preferential Ar–O bond Cleavage in Reductive Generation of Aryllithium Species” Daiki Asai, Ziwei Zhang, Fumiya Takahashi, Hayate Saito, Jun Shimokawa, and Hideki Yorimitsu, *JACS Au* **2024**, *4*, 3118–3124 (DOI: 10.1021/jacsau.4c00448).
- (377) “Sodium-mediated Reductive *anti*-Dimagnesiumation of Diarylacetylenes with Magnesium Bromide” Haruka Yamaguchi, Fumiya Takahashi, Takashi Kurogi, and Hideki Yorimitsu, *Synthesis* **2024**, *56*, 3307–3313 (DOI: 10.1055/a-2326-6416).
- (376) “Synthesis of unsymmetrical dialkoxydiarylsilanes and diarylsilane diols from tetraalkoxysilane having a dioxasilepane unit” Kenshiro Hitoshio, Hiroki Maeda, Kento Teranishi, Jun Shimokawa, and Hideki Yorimitsu, *Chem. Commun.* **2024**, *60*, 7339–7342 (DOI: 10.1039/D4CC02051K).
- (375) “Arylation of benzazoles at the 4 positions by activation of their 2-methylsulfinyl groups” Ryota Wakabayashi, Shuo Wang, Takashi Kurogi, and Hideki Yorimitsu, *Chem. Commun.* **2024**, *60*, 6166–6169 (DOI: 10.1039/D4CC01918K).

- (374) “Reductive *anti*-Dizincation of Arylacetylenes” Haruka Yamaguchi, Fumiya Takahashi, Takashi Kurogi, and Hideki Yorimitsu, *Chem. Asian J.* **2024**, *19*, e202400384 (DOI: 10.1002/asia.202400384).
- (373) “[1,2]-Retro-Brook Rearrangement Induced by Electrochemical Reduction of Silyl Enolates” Ban Kinoshita, Saki Maejima, Yuta Niki, Koichi Mitsudo, Seiji Suga, and Hideki Yorimitsu, *Bull. Chem. Soc. Jpn.* **2024**, *97*, uoae038 (DOI: 10.1093/bulcsj/uoae038).
- (372) “Sodium-Mediated Reductive C–C Bond Cleavage Assisted by Boryl Groups” Mizuki Fukazawa, Fumiya Takahashi, Takashi Kurogi, and Hideki Yorimitsu, *Chem. Asian J.* **2024**, *19*, e202400100 (DOI: 10.1002/asia.202400100).
- (371) “Regioselectivity in the Sulfonium-mediated Arylation Reactions of 2-Substituted Phenols with Benzothienyl Sulfoxide” Ryota Wakabayashi, Mizuki Fukazawa, Takashi Kurogi, and Hideki Yorimitsu, *Bull. Chem. Soc. Jpn.* **2024**, *97*, uoae002 (DOI: 10.1093/bulcsj/uoae002).
- (370) “Reductive stereo- and regiocontrolled boryllithiation and borylsodiation of arylacetylenes using flow microreactors” Yiyuan Jiang, Takashi Kurogi, and Hideki Yorimitsu, *Nat. Synth.* **2024**, *3*, 192–201 (DOI: 10.1038/s44160-023-00439-8); Research Square (DOI: 10.21203/rs.3.rs-2687146/v1).
- (369) “Regioselective *anti*-Silyllithiation of Propargylic Amines” Tomohiko Sato, Somnath N. Karad, Jun Shimokawa, and Hideki Yorimitsu, *Synlett* **2024**, *35*, 419–422 (DOI: 10.1055/a-2047-8456).
- (368) “Regioselective *anti*-Silyllithiation of Propargylic Alcohols” Somnath N. Karad, Hayate Saito, Jun Shimokawa, and Hideki Yorimitsu, *J. Org. Chem.* **2024**, *89*, 3677–3683 (DOI: 10.1021/acs.joc.2c01795); *ChemRxiv* (DOI: 10.26434/chemrxiv-2022-7frsl).
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- (366) “Multiply *exo*-Methylated Corannulenes” Kazuhira Miwa, Shinobu Aoyagi, Toru Amaya, Takahiro Sasamori, Shogo Morisako, Takashi Kurogi, and Hideki Yorimitsu, *Chem. Eur. J.* **2023**, *29*, e202301557 (DOI: 10.1002/chem.202301557).
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- (364) “Preparation of Vinylic Lithium Reagents from Silyl Enolates of Alkyl Aryl Ketones Using Lithium Arenide” Ziwei Zhang, Fumiya Takahashi, Takashi Kurogi, and Hideki Yorimitsu, *Asian J. Org. Chem.* **2023**, *12*, e202300242 (DOI: 10.1002/ajoc.202300242).
- (363) “Selective Synthesis of Tetraarylethylenes Enabled by Reductive *anti*-1,2-Dimetallation of Alkynes” Fumiya Takahashi and Hideki Yorimitsu, *Chem. Eur. J.* **2023**, *29*, e202203988 (DOI: 10.1002/chem.202203988).
- (362) “Carboxylic Acid Salts as Dual-Function Reagents for Carboxylation and Carbon Isotope Labeling” Shuo Wang, Igor Larrosa, Hideki Yorimitsu, and Gregory J. P. Perry, *Angew. Chem. Int. Ed.* **2023**, *62*, e202218371 (DOI: 10.1002/anie.202218371); *Angew. Chem.* **2023**, *135*, e202218371 (DOI: 10.1002/ange.202218371).
- (361) “Synthesis of a Dibenzo-1,6,2,5-dioxadisilocene and Its Unexpected Reductive Coupling with Phenanthrene” Narumi Itoh, Koh Sugamata, Shogo Morisako, Shinobu Aoyagi, Hideki Yorimitsu, and Takahiro Sasamori, *Chem. Lett.* **2023**, *52*, 177–180 (DOI: 10.1246/cl.220478).
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- (358) “Diphenylsilylsilanolates Enable the Transfer of a Wide Range of Silyl Groups” Hiroki Yamagishi, Fuyuki Harata, Jun Shimokawa, and Hideki Yorimitsu, *Org. Lett.* **2023**, *25*, 11–15 (DOI: 10.1021/acs.orglett.2c03558).
- (357) “Taming Highly Unstable Radical Anions and 1,4-Organodilithiums by Flow Microreactors: Controlled Reductive Dimerization of Styrenes” Yiyuan Jiang and Hideki Yorimitsu, *JACS Au* **2022**, *2*, 2514–2521 (DOI: 10.1021/jacsau.2c00375); *ChemRxiv* (DOI: 10.26434/chemrxiv-2022-6h317).
- (356) “Zincation of Styrylsulfonium Salts” Kodai Yamada, Mika Kintzel, Gregory J. P. Perry, Hayate Saito, and Hideki Yorimitsu, *Org. Lett.* **2022**, *24*, 7446–7449 (DOI: 10.1021/acs.orglett.2c03013).
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- (354) “Improvement of Cycle Life in Organic Lithium-Ion Batteries by In-Cell Polymerization of Tetrathiafulvalene-Based Electrode Materials” Aya Yoshimura, Keisuke Hemmi, Hayato Moriwaki, Ryo Sakakibara, Hitoshi Kimura, Naoya Kinoshita, Rie Suizu, Takashi Shirahata, Masaru Yao, Hideki Yorimitsu, Kunio Awaga, and Yohji Misaki, *ACS Appl. Mater. Interfaces* **2022**, *14*, 35978–35984 (DOI: 10.1021/acsami.2c09302).
- (353) “Late-stage sulfonic acid/sulfonate formation from sulfonamides via sulfonyl pyrroles” Tomoya Ozaki, Hideki Yorimitsu, and Gregory J. P. Perry, *Tetrahedron* **2022**, *117-118*, 132830 (DOI: 10.1016/j.tet.2022.132830).
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- (342) “Sodium silylsilanolate enables nickel-catalysed silylation of aryl chlorides” Kenshiro Hitoshio, Hiroki Yamagishi, Jun Shimokawa, and Hideki Yorimitsu, *Chem. Commun.* **2021**, *57*, 6867–6870 (DOI: 10.1039/d1cc02683f).
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