

# 研究業績目録

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## 1. 原著論文

- (1) \*Taguchi, J.; Ohata, Y.; Akimoto, H.; Tabuchi, H.; Igawa, K.; Tomooka, K.; Niwa, T.; \*Hosoya, T.  
“Boronate Formation-triggered Azide–Alkyne Cycloaddition”  
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- (2) Taguchi, J.; Omoto, Y.; Uto, K.; Tabuchi, H.; Uekusa, H.; Niwa, T.; \*Hosoya, T.  
“Revisiting the Synthetic Utility of 4,5-Dehydro[2.2]paracyclophane”  
*Adv. Synth. Catal.* **2025**, *367*, e202400986.
- (3) Taguchi, J.; Tokunaga, K.; Tabuchi, H.; Nishiyama, T.; Kii, I.; \*Hosoya, T.  
“1,3-Butadiynyl sulfide-based compact trialkyne platform molecule for sequential assembly of three azides”  
*Chem. Commun.* **2024**, *60*, 14581–14584. 【Selected as Outside back cover in Issue 98, 2024】
- (4) Taguchi, J.; Okuyama, T.; Tomita, S.; Niwa, T.; \*Hosoya, T.  
“Synthesis of Multisubstituted Aromatics via 3-Triazenylarynes”  
*Org. Lett.* **2023**, *25*, 7030–7034.
- (5) Taguchi, J.; Kimura, K.; Igawa, K.; Tomooka, K.; Hosoya, T.\*  
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- (6) Inouye, S.\*; Sumida, Y.; Tomabechei, Y.; Taguchi, J.; Shirouzu, M.; Hosoya, T.\*  
“Chiral deaza-coelenterazine analogs for probing a substrate-binding site in the Ca<sup>2+</sup>-binding photoprotein aequorin”  
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- (7) Matsuura, S.; Taguchi, J.; Seki, T.; Ito, H.\*  
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【Selected as Cover Picture in Issue 5, 2021】 【Selected as BCSJ Award Article】

- (8) Inouye, S.\*; Nakamura, M.; Taguchi, J.; Hosoya, T.  
“Identification of a novel oxidation product from yellow fluorophore in the complex of apoPholasin and dehydrocoelenterazine”  
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- (9) Taguchi, J.; Matsuurra, S.; Seki, T.; Ito, H.\*  
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*Chem. Eur. J.* **2020**, *26*, 2450–2455.
- (10) Taguchi, J.; Takeuchi, T.; Takahashi, R.; Masero, F.; Ito, H.\*  
“Concise Synthesis of Potassium Acyltrifluoroborates from Aldehydes through Cu(I)-catalyzed Borylation/Oxidation”  
*Angew. Chem., Int. Ed.* **2019**, *58*, 7299–7303.  
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- (11) Taguchi, J.; Ikeda, T.; Takahashi, R.; Sasaki, I.; Ogasawara, Y.; Dairi, T.; Kato, N.; Yamamoto, Y.; Bode, J. W.\*; Ito, H.\*  
“Synthesis of Acylborons by Ozonolysis of Alkenylboronates: Preparation of an Enantioenriched Amino Acid Acylboronate”  
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- (12) Sasaki, I.; Taguchi, J.; Doi, H.; Ito, H.\*; Ishiyama, T.\*  
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- (14) Sasaki, I.; Taguchi, J.; Hiraki, S.; Ito, H.\*; Ishiyama, T.\*  
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## 2. 総説

- (1) Wu, D.; Taguchi, J.; Tanriver, M; Bode, J. W.\* “Synthesis of Acylboron Compounds”  
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### 3. 国際学会発表

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- (4) Taguchi, J.; Ikeda, T.; Sasaki, I.; Bode, J. W.; Ito, H.  
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