

Publication List

- (7) Multiple Resonance Type Thermally Activated Delayed Fluorescence by Dibenzo[1,4]azaborine Derivatives
Jaehyun Bae, Mika Sakai, Youichi Tsuchiya, Naoki Ando, Xian-Kai Chen, Thanh Ba Nguyen, Chin-Yiu Chan, Yi-Ting Lee, Morgan Auffray, Hajime Nakanotani, Shigehiro Yamaguchi, Chihaya Adachi
Front. Chem. **2022**, 10:990918.
- (6) Planarized Phenylthienylboranes: Effects of the Bridging Moieties and π -Extension on the Photophysical Properties and Lewis Acidity
Mika Sakai, Masayoshi Mori, Masato Hirai, Naoki Ando, Shigehiro Yamaguchi
Chem. Eur. J. **2022**, 28, e202200728.
- (5) Electron-Deficient Heteroacenes that Contain Two Boron Atoms: Near-Infrared Fluorescence Based on a Push–Pull Effect
Masato Ito, Mika Sakai, Naoki Ando, Shigehiro Yamaguchi
Angew. Chem. Int. Ed. **2021**, 60, 21853–21859.
- (4) Regio- and Stereoselective 1,2-Carbaboration of Ynamides with Aryldichloroboranes
Cai You, Mika Sakai, Constantin G. Daniliuc, Klaus Bergander, Shigehiro Yamaguchi, Armido Studer
Angew. Chem. Int. Ed. **2021**, 60, 21697–21701.
- (3) Twofold C–H Activation Enables Synthesis of a Diazacoronene-type Fluorophore with Near Infrared Emission through Isosteric Replacement
Steffen Greßies, Masato Ito, Mika Sakai, Hiroshi Osaki, Ju Hyun Kim, Tobias Gensch, Constantin Daniliuc, Naoki Ando, Shigehiro Yamaguchi, Frank Glorius
Chem. Eur. J. **2021**, 27, 2753–2759.
- (2) Planarized *B,N*-Phenylated Dibenzoazaborine with a Carbazole Substructure: Electronic Impact of the Structural Constraint
Mikinori Ando, Mika Sakai, Naoki Ando, Masato Hirai, Shigehiro Yamaguchi
Org. Biomol. Chem. **2019**, 17, 5500–5504.
- (1) Structurally Constrained Boron-, Nitrogen-, Silicon-, and Phosphorus-Centered Polycyclic π -Conjugated Systems
Masato Hirai, Naoki Tanaka, Mika Sakai, Shigehiro Yamaguchi
Chem. Rev. **2019**, 119, 8291–8331.