

PUBLICATIONS

DIVISION OF SYNTHETIC CHEMISTRY

— Organoelement Chemistry —

Jin, S.; Vu, H. T.; Hioki, K.; Noda, N.; Yoshida, H.; Shimane, T.; Ishizuka, S.; Takashima, I.; Mizuhata, Y.; Beverly, Pe K.; Ogawa, T.; Nishimura, N.; Packwood, D.; Tokitoh, N.; Kurata, H.; Yamasaki, S.; Ishii, K. J.; Uesugi M., Discovery of Self-Assembling Small Molecules as Vaccine Adjuvants, *Angew. Chem. Int. Ed. Engl.*, **60**, 961-969 (2021).

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Omatsu, Y.; Mizuhata, Y.; Tokitoh, N., Easily Separable Cyclic Oligosilanes with *p*-Methoxyphenyl Groups and Their Stereoselective Functionalization, *Eur. J. Inorg. Chem.*, **2021**, 1005-1012 (2021).

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Nagata, M.; Oshiro, T.; Mizuhata, Y.; Tokitoh, N.; Hosoya, T.; Yamada, S.; Konno, T.; Fukumoto, H.; Kubota, T.; Agou, T., Synthesis of Carbazole-Fused Azaborines via a Pd-Catalyzed C-H Activation-Cyclization Reaction, *Bull. Chem. Soc. Jpn.*, **94(1)**, 21-23, (2021).

— Structural Organic Chemistry —

Zhang, S.; Hashikawa, Y.; Murata, Y., Cage-Expansion of Fullerenes, *J. Am. Chem. Soc.*, **143**, 12450-12454 (2021).

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Xing, Y.; Nikaido, M.; Murai, T.; Hamada, S.; Kobayashi, Y.; Sasamori, T.; Kawabata, T.; Furuta, T., Concise Synthesis of an Amide-Functionalized [7]Helicene-Like Molecule via Intramolecular Amidation, *Heterocycles*, **103**, 544-553 (2021).

Hyakutake, R.; Yoshimura, T.; Sasamori, T.; Tokitoh, N.; Morisaki, K.; Kawabata, T., Decisive Effects of C-N Axial Chirality of Intermediary Enolates on the Stereochemical Course of β -Lactam Formation from β -Branched α -Amino Acid Derivatives via Memory of Chirality, *Heterocycles*, **103**, 995-1010 (2021).

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DIVISION OF MATERIALS CHEMISTRY — Chemistry of Polymer Materials —

Miyazaki, M.; Nakano, K.; Tadokoro, C.; Vlădescu, S.-C.; Reddyhoff, T.; Sasaki, S.; Tsujii, Y., Enhancing Durability of Concentrated Polymer Brushes Using Microgrooved Substrates, *Wear*, **482-483**, 203984 (2021).

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— Inorganic Photonics Materials —

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