

平成 28 年

「生体分子コバレント修飾の革新的解析拠点形成」プロジェクト研究成果

薬化学 研究室

【原著】

1. Acid-induced molecular-structural transformation of N-methyl aromatic oligoamides bearing pyridine-2-carboxamide. Yamasaki R, Fujikake S, Ito A, Migita K, Morita N, Tamura O, Okamoto I, *Tetrahedron Lett.* **2016**, *57*, 56–59. DOI: 10.1016/j.tetlet.2015.11.058
2. Gold-Catalyzed Dimeric Cyclization of Isoeugenol and Related 1-Phenylpropenes in Ionic Liquid: Environmentally Friendly and Stereoselective Synthesis of 1,2,3-Trisubstituted Dihydro(1*H*)Indenes Morita N, Mashiko R, Hakuta D, Eguchi D, Ban S, Hashimoto Y, Okamoto I, Tamura O, *Synthesis* **2016**, *48*, 1927-1933. DOI: 10.1055/s-0035-1561604
3. Gold-catalyzed synthesis of 2-substituted azepanes: strategic use of soft gold(I) and hard gold(III) catalysts. Nobuyoshi Morita, Yuta Saito, Ayumi Muraji, Shintaro Ban, Yoshimitsu Hashimoto, Iwao Okamoto, and Osamu Tamura *Synlett* **2016**, *27*, 1936-1940. DOI: 10.1055/s-0035-1561458
4. Gold-Catalyzed Dehydrative Friedel-Crafts Reaction and Nazarov Cyclization Sequence: An Efficient Synthesis of 1,3-Diaryllindenes from Propargylic Alcohols. Nobuyoshi Morita, Masazumi Miyamoto; Akiyoshi Yoda; Mari Yamamoto; Shintaro Ban; Yoshimitsu Hashimoto; Osamu Tamura, *Tetrahedron Lett.* **2016**, *57*, 4460-4463. DOI: 10.1016/j.tetlet.2016.08.045

【依頼・招待講演等】

- Nobuyoshi Morita; Gold(I)/(III)-catalyzed synthesis of 2-substituted piperidines; Valency-controlled cyclization modes; International conference on organic chemistry 2016 (Las Vegas, USA)
- Tamura O. 3rd Symposium of SPU Innovative Project for Pharmaceutical Analysis of Covalent Modification in Biomolecule, Machida, August, 2016, “Synthetic studies on neodysiherbaine A using chiral nitron template”.