

原著論文リスト

1. Sho Furumura, Taro Ozaki, Akihiro Sugawara, Yohei Morishita, Kento Tsukada, Tatsuya Ikuta, Asuka Inoue, and Teigo Asai, “Identification and Functional Characterization of Fungal Chalcone Synthase and Chalcone Isomerase”, *J. Nat. Prod.* **86**, 398–405. (2023)
2. Ryosuke Sugiyama#, Angelica Faith L. Suarez#, Yohei Morishita#, Thi Quynh Ngoc Nguyen, Yi Wei Tooh, Muhammad Nur Hadi Bin Roslan, Justin Lo Choy, Qi Su, Wei Yang Goh, Gregory Adrian Gunawan, Fong Tian Wong, Brandon I. Morinaka, “The Biosynthetic Landscape of Triceptides Reveals Radical SAM Enzymes That Catalyze Cyclophane Formation on Tyr- and His-Containing Motifs”, *J. Am. Chem. Soc.* **144**, 11580–11593. (2022). #Co-first author.
3. Yohei Morishita#, Kento Tsukada#, Kazuma Murakami, Kazuhiro Irie, Teigo Asai, “Synthetic Biology-Based Discovery of Diterpenoid Pyrones from the Genome of *Eupenicillium shearrii*”, *J. Nat. Prod.* **85**, 384–390. (2022). #Co-first author.
4. Yuto Homma, Akihiro Sugawara, Yohei Morishita, Kento Tsukada, Taro Ozaki, and Teigo Asai, “Discovery of a Cyclic Depsipeptide from *Chaetomium mollipilum* by the Genome Mining Approach”, *Org. Lett.* **24**, 3504–3509. (2022)
5. Yohei Morishita, Yu Aoki, Mei Ito, Daisuke Hagiwara, Kensho Torimaru, Daichi Morita, Teruo Kuroda, Hanako Fukano, Yoshihiko Hoshino, Masato Suzuki, Tohru Taniguchi, Keiji Mori, Teigo Asai, “Genome Mining-Based Discovery of Fungal Macrolides Modified by glycosylphosphatidylinositol (GPI)–Ethanolamine Phosphate Transferase Homologues”, *Org. Lett.* **22**, 5876–5879. (2020)
6. Yohei Morishita, Terutaka Sonohara, Tohru Taniguchi, Kiyohiro Adachi, Makoto Fujita, Teigo Asai, “Synthetic-biology-based discovery of fungal macrolide from *Macrophomina phaseolina*”, *Org. Biomol. Chem.* **18**, 2813–2816. (2020)
7. Yohei Morishita, Huiping Zhang, Tohru Taniguchi, Keiji Mori, Teigo Asai, “The Discovery of Fungal Polyene Macrolides via a Postgenomic Approach Reveals a Polyketide Macrocyclization by *trans*-Acting Thioesterase in Fungi”, *Org. Lett.* **21**, 4788–4792. (2019)
8. Yohei Morishita, Yusuke Okazaki, Yi Yi Luo, Jun Nunoki, Tohru Taniguchi, Yoshiteru Oshima and Teigo Asai, “Use of plant hormones to activate silent polyketide biosynthetic pathways in *Arthrinium sacchari*, a fungus isolated from a spider”, *Org. Biomol. Chem.* **17**, 780–784. (2019)
9. Akiho Kaneko, Yohei Morishita, Kento Tsukada, Tohru Taniguchi, Teigo Asai, “Post-genomic approach based discovery of alkylresorcinols from a cricket-associated fungus, *Penicillium soppi*”, *Org. Biomol. Chem.* **17**, 5239–5243. (2019)

10. Sebastian W. Fuchs, Gerald Lackner, Brandon I. Morinaka, Yohei Morishita, Teigo Asai, Sereina Riniker, Jörn Piel, “A Lanthipeptide-like N-Terminal Leader Region Guides Peptide Epimerization by Radical SAM Epimerases: Implications for RiPP Evolution”, *Angew. Chem. Int. Ed.* **55**, 12330–12333. (2016)