

Publication List

1. Keisuke Yoshida*, Takaaki Watanabe, Juo Masuda and Shinji Kitagaki. Manuscript in preparation
2. Keisuke Yoshida*, Yuya Tanabe, Kyohei Sano and Shinji Kitagaki. Manuscript in preparation
3. Keisuke Yoshida*, Arisa Hidaka, Yuri Fukami, Yuta Fujino, Yuri Imaizumi, Ken-ichi Takao and Shinji Kitagaki. Manuscript in preparation
4. Keisuke Yoshida*, Yuma Matsumoto Juo Masuda and Shinji Kitagaki. Just accepted in *Synlett* **2022**
5. Valluru Krishna Reddy, Keizo Kan, Yasser Samir Abdel-Khalek Sokeirik, Keisuke Yoshida, Atsushi Hirata, Masahiro Yamanaka, Yoshihiro Ueda and Takeo Kawabata, Acylative kinetic resolution of 1,10-binaphthyl-8,8'-diamines by organocatalysis *Tetrahedron* **2022**, *103*, 132539.
6. Shinji Kitagaki, Eriko Shimo, Sawa Takeda, Rintaro Fukai, Naohiro Kojima, Shun Yoshioka, Naoko Takenaga, Keisuke Yoshida. Planar Chiral [2.2]Paracyclophane-Based Bis(thiourea)-Catalyzed Highly Diastereo- and Enantioselective Michael Addition Reaction of Nitroethane to Nitrostyrenes *Heterocycles* **2022**, *101*, 127-144.
7. Akihiro Sakama, Akihiro Ogura, Keisuke Yoshida, and Ken-ichi Takao *J. Synth. Org. Chem., Jpn.* **2020**, *78*, 1039-1047.
8. Keisuke Yoshida*, Hiroki Inoue, Yurika Oji, Hina Suzuki, and Ken-ichi Takao*, Enantioselective organocatalytic construction of spirochroman derivatives, *The Journal of Organic Chemistry*, **2020**, *85*, 10189-10197.
9. Akihiro Sakama, Rika Kameshima, Yuko Motohashi, Wataru Sumida, Yuta Unno, Keisuke Yoshida, Akihiro Ogura, and Ken-ichi Takao, Stereoselective Synthesis of the Tricyclic Core of (–)-Callophycoic Acid A, *The Journal of Organic Chemistry*, **2020**, *85*, 3245-3264.

10. Ken-ichi Takao, Akihiro Ogura, Keisuke Yoshida, Siro Simizu, Total Synthesis of Natural Products Using Intramolecular Nozaki–Hiyama–Takai–Kishi Reactions, *Synlett*, **2020**, *31*, 421-433.
11. Ken-ichi Takao, * Hiroataka Kai, Ai Yamada, Yuuki Fukushima, Daisuke Komatsu, Akihiro Ogura, and Keisuke Yoshida, Total Syntheses of (+)-Aquatolide and Related Humulanolides *Angewandte Chemie International Edition* **58**, 9851-9855 (2019)
12. Shinji Kitagaki, Mayuka Tsuji, Hideki Teramoto, Naoko Takenaga, Keisuke Yoshida, Planar chiral phosphino[2.2]paracyclophanol-catalyzed highly regio- and stereoselective [3+2] annulation reaction of Morita–Baylis–Hillman carbonates with dicyanomethyleneoxindoles, *Heterocycles*, **101**, 127 - 144 (2020)
13. Tatsuki Nakajima, Keita Takiguchi, Keisuke Yoshida, Akihiro Ogura, Ken-ichi Takao, STUDIES TOWARD THE SYNTHESIS OF PERFORATUMONE: SYNTHESIS OF THE 7-OXABICYCLO[4.2.1]NONANE-8,9-DIONE CORE, *Heterocycles*, **99**, 661-668, (2019)
14. Keisuke Yoshida,* Yuta Fujino, Yusei Takamatsu, Kohei Matsui, Akihiro Ogura, Yuri Fukami, Shinji Kitagaki, and Ken-ichi Takao, * Enantioselective Total synthesis of (–)-Misramine, *Organic Letters*, **20**, 5044-5047 (2018)
15. Shinji Kitagaki, Shunsuke Murata, Kisaki Asaoka, Kenta Sugisaka, Chisato Mukai, Naoko Takenaga, and Keisuke Yoshida, Planar chiral [2.2]paracyclophane-based bisoxazoline ligands: design, synthesis, and use in Cu-catalyzed inter- and intra-molecular asymmetric O-H insertion reactions, *Chem. Pharm. Bull.* **66**, 1006-1014 (2018)
16. Ken-ichi Takao, Kento Mori, Kenya Kasuga, Ryuki Nanamiya, Ayumi Namba, Yuuki Fukushima, Ryuichi Nemoto, Takuma Mogi, Hiroyuki Yasui, Akihiro Ogura, Keisuke Yoshida, and Kin-ichi Tadano, Total synthesis of Clavilactones. *The Journal of Organic Chemistry*, **83** 7060-7075 (2018)
17. Shinji Kitagaki, Kento Nakamura, Chiharu Kawabata, Asuna Ishikawa, Naoko Takenaga, Keisuke Yoshida, Enantioselective [3+2] Annulations of Allenolates and *N*-Tosylimines Catalyzed by Planar Chiral [2.2]Paracyclophane-based Phosphine-phenols. *Org. Biomol. Chem.*, **16**, 1770-1778 (2018)

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19. Wataru Matsuki, So Miyazaki, Keisuke Yoshida, Akihiro Ogura, Yukiko Sasazawa,
Ken-ichi Takao, Siro Simizu, Synthesis and evaluation of biological activities of vibsantin
A analogs. *Bioorg. Med. Chem. Lett.* 27, 4536-4539 (2017)
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1,n-Linear Disulfonamides. *Tetrahedron Letters* 58, 1030-1033 (2017)
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as an Aspartic Acid Surrogate for Synthesis of Proteoglycan Glycopeptide Containing
Aspartic Acid and Sulfated Glycan Chain. *The Journal of Organic Chemistry* 81,
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23. Weizhun Yang, Keisuke Yoshida, Bo Yang, Xuefei Huang, Obstacles and Solutions for
Chemical Synthesis of Syndecan-3 (53-62) Glycopeptides with Two Heparan Sulfate
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24. Keisuke Yoshida, * Yohei Kanoko, Ken-ichi Takao, Kinetically Controlled α -Selective
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of chiral aldehydes: synthesis of a fragment of (+)-vibsantin A. *Tetrahedron* 72, 5464-5471
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Ken-ichi Takao, Organocatalytic regioselective Chlorosilylation of Oxiran derivatives:

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31. Bo Yang, Keisuke Yoshida, Xuefei Huang, Strategies for One-Pot Synthesis of Oligosaccharides. *Wiley STM Glycochemical Synthesis: Strategies and Applications, Edited by Shang-Cheng Huang Chapter 6* (2015)
32. 高尾賢一, 吉田圭佑, 只野金一, 連続オレフィンメタセシス反応を用いた天然物の全合成 有機合成化学協会誌 総合論文 (2015)
33. 吉田圭佑, * 立体及び位置選択的な触媒的エポキシ化 ～配向基からどれだけの距離にあるオレフィンを選択的にエポキシ化できるか?～. 有機合成化学協会誌 *Review de Debut* (2015)
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35. Masahiro Yamanaka, Urara Yoshida, Makoto Sato, Takashi Shigeta, Keisuke Yoshida, Takumi Furuta, Takeo Kawabata, Origin of High E-Selectivity in 4-Pyrrolidinopyridine-Catalyzed Tetrasubstituted α,α' -Alkenediol: A Computational and Experimental Study. *The Journal of Organic Chemistry* **80**, 3075–3082 (2015)
36. Ken-ichi Takao, Kohei Tsunoda, Takuya Kurisu, Akihiro Sakama, Yoshiyasu Nishimura, Keisuke Yoshida, Kin-ichi Tadano, Total Synthesis of (+)-Vibsanin A. *Organic Letters* **17**, 756–759 (2015)
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38. Keisuke Yoshida, Bo Yang, Weizhun Yang, Zeren Zhang, Jicheng Zhang, Xuefei Huang, Chemical synthesis of syndecan-3 glycopeptides bearing two heparin sulfate glycan Chains. *Angewandte Chemie International Edition* **51**, 10185–10189 (2014)
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40. Ken-ichi Takao, Ryuki Nanamiya, Yuuki Fukushima, Ayumi Namba, Keisuke Yoshida, Kin-ichi Tadano, Total synthesis of (+)-clavilactone A and (–)-clavilactone B by ring-opening/ring-closing metathesis. *Organic Letters* **15**, 5582–5585 (2013)
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46. Keisuke Yoshida, Takumi Furuta, Takeo Kawabata, Organocatalytic chemoselective monoacylation of 1,n-linear diols. *Angewandte Chemie International Edition* **50**, 4888–4892 (2011)
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48. Chihiro Ito, Masataka Itoigawa, Kie Aizawa, Keisuke Yoshida, Nijsiri Ruangrunsi, Hiroshi Furukawa, γ -Lactone carbazole from Clausena anisata. *Journal of Natural Products* **72**, 1202–1204 (2009)

招待講演(Invited lecture)

- 1) 2本のヘパラン硫酸鎖をもつ Syndecan-3 の化学合成、日本糖質学会年会、2015年8月 (東京大学)
- 2) 天然物の全合成および医薬品合成を志向する有機触媒反応の開発、第178回薬学談話会、2018年6月 (名古屋市立大学薬学部)
- 3) Enantioselective Total Synthesis of (-)-Misramine
ICPAC LANGKAWI 2018、2018年10月30日 (ランカウイ島 in マレーシア)