List of Publications

07 October 2021

Original Papers

1) Komatsu, H.; Ikeuchi, T.; Tsuno, H.; Arichi, N.; Yasui, K.; Oishi, S.; Inuki, S.; Fukazawa, A.; Ohno, H. "Construction of Tricyclic Nitrogen Heterocycles by Gold(I)-Catalyzed Cascade Cyclization of Allenynes and Its Application to Polycyclic π-Electron Systems" *Angew. Chem. Int. Ed*. **2021**, in press; DOI: 10.1002/anie.202111267.
2) Greiner, L. C.; Inuki, S.; Arichi, N.; Oishi, S.; Suzuki, R.; Iwai, T.; Sawamura, M.; Hashmi, A. S.; Ohno, H. "Access to Indole-Fused Benzannulated Medium-Sized Rings through a Gold(I)-Catalyzed Cascade Cyclization of Azido-Alkynes" *Chem. Eur. J.* **2021**, *27*, 12992–12997.
3) Arichi, N.; Fujiwara, S.; Ishizawa, M.; Makishima, M.; Hua, D. H.; Yamada, K.; Yamaoka, Y.; Takasu, K. "Synthesis and Biological Evaluation of Steroidal Derivatives Bearing a Small Ring as Vitamin D Receptor Agonists" *Bioorg Med. Chem. Lett*. **2017**, *27*, 3408–3411.
4) Arichi, N.; Yamada, K.; Yamaoka, Y.; Takasu, K. "An Arylative Ring Expansion Cascade of Fused Cyclobutenes via Short-Lived Intermediates with Planar Chirality" *J. Am. Chem. Soc.* **2015**, *137*, 9579–9582.
5) Arichi, N.; Hata, K.; Takemoto, Y.; Yamada, Y.; Yamaoka, Y.; Takasu, K. "Synthesis of Steroidal Derivatives Bearing a Small Ring Using a Catalytic [2+2] Cycloaddition and a Ring-Contraction Rearrangement" *Tetrahedron* **2015**, *71*, 233–244.
6) Hata, K.; Arichi, N.; Yamaoka, Y.; Yamada, K.; Takemoto, Y.; Takasu, K. "Equilibration of the [2+2] Cycloaddition of Silyl Enol Ethers Catalyzed by Ethylaluminium Dichloride: Diastereoselectivity Switch in the Synthesis of Fused Cyclobutanes" *Asian J. Org. Chem*. **2014**, *3*, 706–710.
7) Arichi, N.; Yamamoto, J.; Takahata, C.; Sano, E.; Masuda, Y.; Kuraoka, I.; Iwai, S. "Strand Breakage of (6–4) Photoproduct-Containing DNA at Neutral pH and its Repair by the ERCC1-XPF Protein Complex" *Org. Biomol. Chem*. **2013**, *11*, 3526–3534.
8) Arichi, N.; Inase, A.; Eto, S.; Mizukoshi, T.; Yamamoto, J.; Iwai, S. "Mechanism of the Alkali Degradation of (6–4) Photoproduct-Containing DNA" *Org. Biomol. Chem*. **2012**, *10*, 2318–2325.

Account, Book Chapter, and Commentary

1) Arichi, N.; Ohno, H. "Natural Product Synthesis via Palladium-Catalyzed C–H Bond Activation", In *Handbook of C–H Functionalization*, Wiley-VCH, **2021**, in press.
2) 高須清誠、有地法人「分子ひずみを持つ中員環の化学」ファルマシア **2021**, *57*, 731–735.
3) 有地法人「エナンチオ選択的な*trans*-シクロアルケンの合成」ファルマシア **2015**, *51*, 888.