

平成22年度 研究業績

草間博之（東京工業大学大学院理工学研究科、A02班 公募班員）

1. 発表論文等（査読付き論文，著書，総説等の発表状況）

- (1) Rhenium(I)- and Tungsten(0)-Catalyzed Tandem Cyclization of Acetylenic Dienol Silyl Ethers Based on Geminal Carbo-Functionalization of Alkynes
Kusama, H.; Karibe, Y.; Imai, R.; Onizawa, Y.; Yamabe, H.; Iwasawa, N. *Chem. Eur. J.* in press.
- (2) Photochemically Promoted Transition Metal-Free Cross Coupling of Acylsilanes with Organoboronic Esters
Ito, K.; Tamashima, H.; Iwasawa, N.; Kusama, H. *J. Am. Chem. Soc.* **2011**, *133*, 3716-3719.
- (3) Platinum(II)-Catalyzed Generation and [3+2] Cycloaddition Reaction of α,β -Unsaturated Carbene Complex Intermediates for the Preparation of Polycyclic Compounds
Saito, K.; Sogo, H.; Suga, T.; Kusama, H.; Iwasawa, N. *J. Am. Chem. Soc.* **2011**, *133*, 689-691.
- (4) Synthetic Studies on and Mechanistic Insight into $[W(CO)_5(L)]$ -Catalyzed Stereoselective Construction of Functionalized Bicyclo[5.3.0]decane Frameworks
Onizawa, Y.; Hara, M.; Hashimoto, T.; Kusama, H.; Iwasawa, N. *Chem. Eur. J.* **2010**, *16*, 10785-10796.
- (5) Rhodium-catalyzed Synthesis of γ -Pyrone by Three Consecutive Redox-Aldol Reactions of Allylic Alcohols with α,β -Unsaturated Aldehydes
Mizuno, A.; Kusama, H.; Iwasawa, N. *Chem. Eur. J.* **2010**, *16*, 8248-8250.
- (6) Enantioselective Preparation of 8-Oxabicyclo[3.2.1]octane Derivatives via Asymmetric [3+2]-Cycloaddition of Platinum-Containing Carbonyl Ylides with Vinyl Ethers
Ishida, K.; Kusama, H.; Iwasawa, N. *J. Am. Chem. Soc.* **2010**, *132*, 8842-8843.
- (7) Gold-Catalyzed Tandem Cyclization of Dienol-Silyl Ethers for the Preparation of Bicyclo[4.3.0]nonane Derivatives
Kusama, H.; Karibe, Y.; Onizawa, Y.; Iwasawa, N. *Angew. Chem. Int. Ed.* **2010**, *49*, 4269-4272.
- (8) Rhenium(I)-Catalyzed Cyclization of Silyl Enol Ethers Containing a Propargyl Carboxylate Moiety: A Versatile Access to Highly Substituted Phenols
Saito, K.; Onizawa, Y.; Kusama, H.; Iwasawa, N. *Chem. Eur. J.* **2010**, *16*, 4716-4720.

2. 学会発表等（国内外の招待講演および国際会議での発表状況）

特になし

3. 特許

なし

4. 学会・シンポジウム等の開催状況

なし

5. 受賞等

なし

6. 新聞報道等

なし

7. 領域内の共同研究の準備・実施状況とその成果

なし

8. その他特記事項

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