

## 平成24年度 研究業績

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### 1. 発表論文等 (査読付き論文, 著書, 総説等の発表状況)

- (1) Amphiphilic Self-Assembled Polymeric Copper Catalyst to Parts per Million Levels: Click Chemistry  
Yamada M.A.Y.; Sarkar M. S.; Uozumi Y.\*, *J. Am. Chem. Soc.*, **2012**, *134*, 9285–9290
- (2) Self-Assembled Poly(imidazole-palladium): Highly Active, Reusable Catalyst at Parts per Million to Parts per Billion Levels  
Yamada M.A.Y.; Sarkar M. S.; Uozumi Y.\*, *J. Am. Chem. Soc.*, **2012**, *134*, 3190–3198
- (3) Enantioselective Carbenoid Insertion into Phenolic O-H Bonds with a Chiral Copper(I) Imidazoindolephosphine Complex  
Osako T.; Panichakul D.; Uozumi Y.\*, *Org. Lett.* **2012**, *14*, 194-197
- (4) Development of Polymeric Palladium-Nanoparticle Membrane-Installed Microflow Devices and their Application in Hydrodehalogenation  
Yamada M.A.Y.; Watanabe T.; Ohno A.; Uozumi Y.\*, *ChemSusChem* **2012**, *5*, 293-299
- (5) Carbon-Carbon Bond Forming Reactions via Cross-Coupling (Review)  
Uozumi Y.\*, *Comprehensive Chirality* (Eds. Carreira, E. M., Yamamoto, H.; Vol. Ed. Shibasaki, M.) (Elsevier) Chapter 4.2, **2012**, 18-32
- (6) Carbon-Carbon Bond Forming Reactions via Heck Reaction (Review)  
Uozumi Y.\*, *Comprehensive Chirality* (Eds. Carreira, E. M., Yamamoto, H.; Vol. Ed. Shibasaki, M.) (Elsevier) Chapter 4.3, **2012**, 2-17
- (7) Allylic and Aromatic Substitution Reaction (Review)  
Uozumi Y.\*, *Science of Synthesis "Water in Organic Synthesis"* (Ed. Kobayashi, S) (Thieme) **2012**, 511-534

### 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)

- (1) NCN Pincer Palladium Complexes-Their Preparation via a Ligand Introduction Route and Their Catalytic Properties-  
Uozumi Y., Seminar at Faculty of Chemistry, Weizmann Institute of Science, Israel, 2012.4.3 (招待講演).
- (2) Amphiphilic Self-Assembled Polymeric Pd and Cu Catalysts: Suzuki-Miyaura Coupling and Huisgen Cycloaddition at ppm Levels  
Uozumi Y., The 6th CMDS Meeting on OMCOS 2012, Korea, 2012.9.12 (招待講演).

(3) 遷移金属不斉触媒の革新と展開

魚住泰広, 第2回CSJ化学フェスタ2012,東京,2012.10.15 (招待講演) .

(4) Amphiphilic Self-Assembled Polymeric Pd and Cu Catalysts: Suzuki-Miyaura Coupling and Huisgen Cycloaddition at ppm Levels

Uozumi Y., The 2nd Korea Forum on Organic Chemistry, Korea, 2012.11.23 (招待講演) .

(5) Molecular Architecture-Based Administration of Catalysis in Water via Self-Assembly of Amphiphilic Pincer Complexes,

Uozumi Y., 2013 Asian Core Winter School, Korea, 2013.1.29 (招待講演) .

(6) Development of Heterogeneous Catalysis toward Ideal Chemical Processes, 3rd IMS-CHIMIE PARISTECH Joint Symposium

Uozumi Y., Okazaki, Japan, 2013.2.12 (招待講演) .

(7) グリーン化学合成研究の最先端

魚住泰広, 第14回自然科学研究機構シンポジウム 分子が拓くグリーン未来, 東京, 2013.3.20 (招待講演) .

### 3. 特許

特に無し

### 4. 学会・シンポジウム等の開催状況

特に無し

### 5. 受賞等

(1) 浜坂剛 (助教)

第1回名古屋大学石田賞 名古屋大学、2012.11.16

(2) 大迫隆男 (助教)

塩野義製薬研究企画賞 有機合成化学協会、2013.2.19

### 6. 新聞報道等

特に無し

### 7. 国民との科学・技術対話

特に無し

### 8. 領域内の共同研究の準備・実施状況とその成果

特に無し