

研究期間全年度 研究業績

三浦雅博 (大阪大学大学院工学研究科、A03 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) Rhodium(III)-Catalyzed Ortho-Alkenylation through C-H Bond Cleavage Directed by Sulfoxide Groups
Nobushige, K.; Hirano, K.; Satoh, T.*; Miura, M.*
Org. Lett. **2014**, *16*, 1188-1191.
- (2) Manganese-Mediated C3-Selective Direct Alkylation and Arylation of 2-Pyridones with Diethyl Malonates and Arylboronic Acids
Nakatani, A.; Hirano, K.*; Satoh, T.; Miura, M.*
J. Org. Chem. **2014**, *79*, 1377-1385.
- (3) Copper-Mediated Regioselective Homocoupling of Thiophenes and Indoles via Directed C-H Cleavage
Odani, R.; Nishino, M.; Hirano, K.*; Satoh, T.; Miura, M.*
Heterocycles **2014**, *88*, 595-602.
- (4) Palladium-Catalyzed Direct Arylation and Alkenylation of 3-(Indol-3-yl)propionic Acids through C-H Bond Cleavage
Takeda, D.; Hirano, K.; Satoh, T.*; Miura, M.*
Heterocycles **2014**, *88*, 275-286.
- (5) Rhodium-Catalyzed Decarboxylative and Dehydrogenative Coupling of Maleic Acids with Alkynes and Alkenes
Itoh, M.; Shimizu, M.; Hirano, K.; Satoh, T.*; Miura, M.*
J. Org. Chem. **2013**, *78*, 11427-11432.
- (6) Rhodium-Catalyzed Annulative Coupling of 3-Phenylthiophenes with Alkynes Involving Double C-H Bond Cleavages
Iitsuka, T.; Hirano, K.; Satoh, T.*; Miura, M.*
Chem. Eur. J. **2014**, *20*, 385-389.
- (7) Rhodium-Catalyzed Decarboxylative and Dehydrogenative Coupling of Maleic Acids with Alkynes and Alkenes
Itoh, M.; Shimizu, M.; Hirano, K.; Satoh, T.*; Miura, M.*
J. Org. Chem. **2013**, *78*, 11427-11432.
- (8) Copper-Mediated Dehydrogenative Biaryl Coupling of Naphthylamines and 1,3-Azoles
Odani, R.; Hirano, K.*; Satoh, T.; Miura, M.*
J. Org. Chem. **2013**, *78*, 11045-11052.

- (9) An Approach to Benzophosphole Oxides through Silver- or Manganese-Mediated Dehydrogenative Annulation Involving C-C and C-P Bond Formation
Unoh, Y.; Hirano, K.; Satoh, T.*; Miura, M.*
Angew. Chem. Int. Ed. **2013**, *52*, 12975-12979.
- (10) Copper-Catalyzed Intermolecular Regioselective Hydroamination of Styrenes with Polymethylhydrosiloxane and Hydroxylamines
Miki, Y.; Hirano, K.*; Satoh, T.; Miura, M.*
Angew. Chem. Int. Ed. **2013**, *52*, 10830-10834.
- (11) Ruthenium-Catalyzed ortho-Alkenylation of Phenylphosphine Oxides through Regio- and Stereoselective Alkyne Insertion into C-H Bond
Itoh, M.; Hashimoto, Y.; Hirano, K.; Satoh, T.*; Miura, M.*
J. Org. Chem. **2013**, *78*, 8098-8104.
- (12) Ruthenium-Catalyzed Regioselective C-H Alkenylation Directed by a Free Amino Group
Suzuki, C.; Hirano, K.; Satoh, T.*; Miura, M.*
Org. Lett. **2013**, *15*, 3990-3993.
- (13) Rhodium-Catalyzed C3-Selective Alkenylation of Substituted Thiophene-2-Carboxylic Acids and Related Compounds
Iitsuka, T.; Schaal, P.; Hirano, K.; Satoh, T.*; Bolm, C.; Miura, M.*
J. Org. Chem. **2013**, *78*, 7216-7222.
- (14) A Formal Anti-Markovnikov Hydroamination of Terminal Aryl Alkynes with Pinacolborane and Hydroxylamines via Zr/Cu Sequential Catalysis
Sakae, R.; Hirano, K.*; Satoh, T.; Miura, M.*
Chem. Lett. **2013**, *42*, 1128-1130.
- (15) Rhodium(III)-catalyzed Oxidative Coupling through C-H Bond Cleavage Directed by Phosphinoxy Groups
Unoh, Y.; Hashimoto, Y.; Takeda, D.; Hirano, K.; Satoh, T.*; Miura, M.*
Org. Lett. **2013**, *15*, 3258-3261.
- (16) Synthesis and properties of a benzo[1,2-b:4,5-b']dithiophene core pi-system that bears alkyl, alkylthio and alkoxy groups at 3,7-positions
Ota, S.; Minami, S.; Hirano, K.; Satoh, T.; Ie, Y.; Seki, S.*; Aso, Y.; Miura, M.*
RSC Adv. **2013**, *3*, 12356-12365.
- (17) Palladium-Catalyzed Decarboxylative Arylation of Benzoylacrylic Acids toward the Synthesis of Chalcones
Unoh, Y.; Hirano, K.; Satoh, T.*; Miura, M.*
J. Org. Chem. **2013**, *78*, 5096-5102.

- (18) Nickel-Catalyzed Direct Alkylation of Heterocycles with α -Bromo Carbonyl Compounds: C3-Selective Functionalization of 2-Pyridones
Nakatani, A.; Hirano, K.*; Satoh, T.; Miura, M.*
Chem. Eur. J. **2013**, *19*, 7691-7695.
- (19) Copper-Mediated C-H/C-H Biaryl Coupling of Benzoic Acid Derivatives and 1,3-Azoles
Nishino, M.; Hirano, K.*; Satoh, T.; Miura, M.*
Angew. Chem. Int. Ed. **2013**, *52*, 4457-4461.
- (20) Regioselective and Stereospecific Copper-Catalyzed Aminoboration of Styrenes with Bis(pinacolato)diboron and *O*-Benzoyl-*N,N*-dialkylhydroxylamines
Matsuda, N.; Hirano, K.*; Satoh, T.; Miura, M.*
J. Am. Chem. Soc. **2013**, *135*, 4934-4937.
- (21) Synthesis of highly substituted isocoumarins by rhodium-catalyzed annulation of readily available benzoic acids
Unoh, Y.; Hirano, K.; Satoh, T.*; Miura, M.*
Tetrahedron **2013**, *69*, 4454-4458.
- (22) Synthesis of *N*-Vinylcarbazoles via Dehydrogenative Coupling of *N*-H Carbazoles with Alkenes under Palladium Catalysis
Takeda, D.; Hirano, K.; Satoh, T.*; Miura, M.*
Org. Lett. **2013**, *15*, 1242-1245.
- (23) Rhodium- and Iridium-Catalyzed Dehydrogenative Cyclization through Double C-H Bond Cleavages To Produce Fluorene Derivatives
Itoh, M.; Hirano, K.; Satoh, T.*; Shibata, Y.; Tanaka, K.; Miura, M.*
J. Org. Chem. **2013**, *78*, 1365-1370.
- (24) Regioselective C-H Bond Cleavage/Alkyne Insertion under Ruthenium Catalysis
Hashimoto, Y.; Hirano, K.; Satoh, T.*; Kakiuchi, F.; Miura, M.*
J. Org. Chem. **2013**, *78*, 638-646.
- (25) Copper-Catalyzed Electrophilic Amination of Arylsilanes with Hydroxylamines
Miki, Y.; Hirano, K.*; Satoh, T.; Miura, M.*
Org. Lett. **2013**, *15*, 172-175.
- (26) Copper-Catalyzed Amination of Ketene Silyl Acetals with Hydroxylamines: Electrophilic Amination Approach to α -Amino Acids
Matsuda, N.; Hirano, K.*; Satoh, T.; Miura, M.*
Angew. Chem. Int. Ed. **2012**, *51*, 11827-11831.
- (27) Copper-Mediated Oxidative Direct C-C (Hetero)Aromatic Cross-Coupling
Hirano, K.*; Miura, M.*

- Chem. Commun.* **2012**, 48, 10704-10714.
- (28) Synthesis of Phenanthridines and Related Compounds by Palladium-Catalyzed Direct Coupling via C-H and N-H Bond Cleavages
Takeda, D.; Hirano, K.; Satoh, T.*; Miura, M.*
Heterocycles **2012**, 86, 487-496.
- (29) Copper-Mediated and Copper-Catalyzed Cross-Coupling of Indoles and 1,3-Azoles: Double C-H Activation
Nishino, M.; Hirano, K.*; Satoh, T.; Miura, M.*
Angew. Chem. Int. Ed. **2012**, 51, 6993-6997.
- (30) A Concise Access to (Polyfluoroaryl)allenes by Cu-Catalyzed Direct Coupling with Propargyl Phosphates
Nakatani, A.; Hirano, K.*; Satoh, T.; Miura, M.*
Org. Lett. **2012**, 14, 2586-2589.
- (31) Synthesis of Fluorene Derivatives through Rhodium-Catalyzed Dehydrogenative Cyclization
Morimoto, K.; Itoh, M.; Hirano, K.; Satoh, T.*; Shibata, Y.; Tanaka, K.; Miura, M.*
Angew. Chem. Int. Ed. **2012**, 51, 5359-5362.
- (32) Dehydrogenative Synthesis of C3-Azolyloindoles via Copper-Promoted Annulative Direct Coupling of *o*-Alkynylanilines
Oda, Y.; Matsuyama, N.; Hirano, K.*; Satoh, T.; Miura, M.*
Synthesis **2012**, 44, 1515-1520.
- (33) Ru/Ag-catalyzed Oxidative Alkenylation of Benzamides and Phenylazoles through Regioselective C-H Bond Cleavage
Hashimoto, Y.; Ortloff, T.; Hirano, K.; Satoh, T.*; Bolm, C.; Miura, M.* *Chem. Lett.* **2012**, 41, 151-153.
- (34) Synthesis of *N*-Azolyloindoles by Copper-Catalyzed C-H/N-H Coupling-Annulation Sequence of *o*-Alkynylanilines
Oda, Y.; Hirano, K.*; Satoh, T.; Miura, M.* *Org. Lett.* **2012**, 14, 664-667.
- (35) Nickel- and Cobalt-Catalyzed Direct Alkylation of Azoles with *N*-Tosylhydrazones Bearing Unactivated Alkyl Groups
Yao, T.; Hirano, K.*; Satoh, T.; Miura, M.* *Angew. Chem. Int. Ed.* **2012**, 51, 775-779.
- (36) An Annulative Electrophilic Amination Approach to 3-Aminobenzoheteroles
Matsuda, N.; Hirano, K.*; Satoh, T.; Miura, M.* *J. Org. Chem.* **2012**, 77, 617-625.
- (37) Synthesis of Isochromene and Related Derivatives by Rhodium-Catalyzed Oxidative Coupling of Benzyl and Allyl Alcohols with Alkynes

- Morimoto, K.; Hirano, K.; Satoh, T.*; Miura, M.* *J. Org. Chem.* **2011**, *76*, 9548-9551.
- (38) Ruthenium-catalyzed Oxidative Alkenylation of Arenes via Regioselective C-H Bond Cleavage Directed by a Nitrogen-containing Group
Hashimoto, Y.; Ueyama, T.; Fukutani, T.; Hirano, K.; Satoh, T.*; Miura, M.* *Chem. Lett.* **2011**, *40*, 1165-1166.
- (39) A remarkable effect of ionic liquids in transition-metal-free aerobic oxidation of benzylic alcohols
Oda, Y.; Hirano, K.*; Satoh, T.; Kuwabata, S.; Miura, M.* *Tetrahedron Lett.* **2011**, *52*, 5392-5394.
- (40) Palladium-catalyzed Direct Monoarylation of Thiophene-, Benzothiophene-, and Indoleacetic Acids through Regioselective C-H Bond Cleavage
Takeda, D.; Yamashita, M.; Hirano, K.; Satoh, T.*; Miura, M.* *Chem. Lett.* **2011**, *40*, 1015-1017.
- (41) Copper-Catalyzed Oxidative Direct Cyclization of *N*-Methylanilines with Electron-Deficient Alkenes Using Molecular Oxygen
Nishino, M.; Hirano, K.; Satoh, T.*; Miura, M.* *J. Org. Chem.* **2011**, *76*, 6447-6451.
- (42) Copper-Mediated Annulative Direct Coupling of *o*-Alkynylphenols with Oxadiazoles: A Dehydrogenative Cascade Construction of Biheteroaryls
Hachiya, H.; Hirano, K.*; Satoh, T.; Miura, M.* *Org. Lett.* **2011**, *13*, 3076-3079.
- (43) Rhodium-catalyzed Oxidative Coupling of Benzylamines with Alkynes through Dehydrogenation and Dehydrogenative Cyclization
Morimoto, K.; Hirano, K.; Satoh, T.*; Miura, M.* *Chem. Lett.* **2011**, *40*, 600-602.
- (44) Copper-Catalyzed Direct Amination of Electron-Deficient Arenes with Hydroxylamines,
Matsuda, N.; Hirano, K.*; Satoh, T.; Miura, M.* *Org. Lett.* **2011**, *13*, 2860-2863.
- (45) Rhodium-Catalyzed Regioselective Olefination Directed by a Carboxylic Group
Mochida, S.; Hirano, K.; Satoh, T.*; Miura, M.* *J. Org. Chem.* **2011**, *76*, 3024-3033.
- (46) Copper-Catalyzed Annulative Amination of *ortho*-Alkynylphenols with Hydroxylamines: Synthesis of 3-Aminobenzofurans by Umpolung Amination Strategy
Hirano, K.*; Satoh, T.; Miura, M.* *Org. Lett.* **2011**, *13*, 2395-2397.
- (47) Synthesis of Highly Substituted Acenes through Rhodium-Catalyzed Oxidative Coupling of Arylboron Reagents with Alkynes
Fukutani, T.; Hirano, K.; Satoh, T.*; Miura, M.* *J. Org. Chem.* **2011**, *76*, 2867-2874.
- (48) Synthesis of 1,4-Diarylbuta-1,3-dienes through Palladium-Catalyzed Decarboxylative Coupling of Unsaturated Carboxylic Acids
Yamashita, M.; Hirano, K.; Satoh, T.*; Miura, M.* *Adv. Synth. Catal.* **2011**, *353*, 631-636.

- (49) Direct Carbon-Hydrogen Bond Functionalization of Heterocyclic Compounds
Hirano, K.; Miura, M.* *Synlett* **2011**, 294-307.
- (50) Copper-Mediated Intermolecular Direct Biaryl Coupling
Kitahara, M.; Umeda, N.; Hirano, K.*; Satoh, T.; Miura, M.* *J. Am. Chem. Soc.* **2011**, *133*, 2160-2162.
- (51) Ruthenium-Catalyzed Oxidative Vinylation of Heteroarene Carboxylic Acids with Alkenes via Regioselective C-H Bond Cleavage
Ueyama, T.; Mochida, S.; Fukutani, T.; Hirano, K.; Satoh, T.*; Miura, M.* *Org. Lett.* **2011**, *13*, 706-708.
- (52) Copper-Catalyzed Direct Sulfoximation of Azoles and Polyfluoroarenes under Ambient Conditions
Miyasaka, M.; Hirano, K.; Satoh, T.; Kowalczyk, R.; Bolm, C.*; Miura, M.* *Org. Lett.* **2011**, *13*, 359-361.
- (53) Rhodium-Catalyzed Oxidative 1:1, 1:2, and 1:4 Coupling Reactions of Phenylazoles with Internal Alkynes through the Regioselective Cleavages of Multiple C-H Bonds
Umeda, N.; Hirano, K.; Satoh, T.*; Shibata, N.; Sato, H.*; Miura, M.* *J. Org. Chem.* **2011**, *76*, 13-24 (Featured Article).
- (54) Synthesis of Stilbene and Distyrylbenzene Derivatives through Rhodium-Catalyzed Ortho-Olefination and Decarboxylation of Benzoic Acids
Mochida, S.; Hirano, K.; Satoh, T.*; Miura, M.* *Org. Lett.* **2010**, *12*, 5776-5779.
- (55) Palladium- and Nickel-Catalyzed Direct Alkylation of Azoles with Unactivated Alkyl Bromides and Chlorides
Yao, T.; Hirano, K.*; Satoh, T.; Miura, M.* *Chem. Eur. J.* **2010**, *16*, 12307-12311.
- (56) Palladium Nanoparticles in Ionic Liquid by Sputter Deposition as Catalysts for Suzuki-Miyaura Coupling in Water
Oda, Y.; Hirano, K.; Yoshii, K.; Kuwabata, S.; Torimoto, T.; Miura, M.* *Chem. Lett.* **2010**, *39*, 1069-1071.
- (57) Oxidative Coupling of Aromatic Substrates with Alkynes and Alkenes under Rhodium Catalysis
Satoh, T.*; Miura, M.* *Chem. Eur. J.* **2010**, *16*, 11212-11222.
- (58) Oxidative Nickel-Air Catalysis in C-H Arylation: Direct Cross-Coupling of Azoles with Arylboronic Acids using Air as Sole Oxidant
Hachiya, H.; Hirano, K.*; Satoh, T.; Miura, M.* *ChemCatChem* **2010**, *2*, 1403-1406.
- (59) Palladium-Catalyzed Direct Oxidative Alkenylation of Azoles
Miyasaka, M.; Hirano, K.; Satoh, T.; Miura, M.* *J. Org. Chem.* **2010**, *75*, 5421-5424.

- (60) Transition-Metal-Catalyzed Regioselective Arylation and Vinylation of Carboxylic Acids
Satoh, T.*; Miura, M.* *Synthesis* **2010**, *20*, 3395-3409.
- (61) Rhodium-catalyzed Oxidative Coupling/Cyclization of Benzamides with Alkynes via C-H Bond Cleavage
Mochida, S.; Umeda, N.; Hirano, K.; Satoh, T.*; Miura, M.* *Chem. Lett.* **2010**, *39*, 744-746.

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) Copper-Mediated Direct Aryl-Heteroaryl Coupling
Miura, M., Aachen-Osaka Joint Symposium 2013.12.2-3（口頭発表）
- (2) Development of Transition Metal Mediated Direct Aromatic Coupling Reactions
Miura, M., Fujian Institute of Research on the Structure of Matter, Chinese Academy of Science, China, 2013.11.11（招待講演）
- (3) 遷移金属触媒を用いる直接的芳香族カップリング反応の開発
三浦雅博、第45回有機合成セミナー、大阪市立工業研究所、2013.10.22（招待講演）
- (4) Direct Aromatic Coupling By Transition Metal Catalysis
Miura, M., International Symposium on Relations between Homogeneous and Heterogeneous Catalysis, Hokkaido University, 2013.8.4-9（招待講演）
- (5) Transition Metal Catalyzed Direct Aromatic Coupling
Miura, M., 5th Gratama Workshop, Tokyo Institute of Technology, Kuramae Hall, 2013.5.29-6.1（招待講演）
- (6) 遷移金属触媒を用いる直接的芳香族カップリング
三浦雅博、有機反応懇談会 / 有機合成化学協会関西支部、関西大学千里山キャンパス、2012.8.3（招待講演）
- (7) Development of Direct Aromatic Coupling by Transition Metal Catalysis
Miura, M., IBS (Institute of Basic Science) Symposium, Seoul, Korea, 2012.9.6（招待講演）
- (8) Copper-Catalyzed Aromatic Amination via C-H Bond Cleavage
Miura, M., 17th Malaysian Chemical Congress, Putra World Trade Center, Kuala Lumpur, Malaysia, October 15-17（招待講演）
- (9) Copper-Mediated C-H/C-H Coupling of Indoles and Azoles
Nishino, M.; Hirano, K.; Satoh, T.; Miura, M., The 12th International Kyoto Conference on New Aspects of Organic Chemistry, Kyoto, 2012.11.12-16（ポスター発表）
- (10) Ruthenium-Catalyzed Hydroarylation of Alkynes

- Hashimoto, Y.; Hirano, K.; Satoh, T.; Kakiuchi, F.; Miura, M., The 12th International Kyoto Conference on New Aspects of Organic Chemistry, Kyoto, 2012.11.12-16 (ポスター発表)
- (11) Transition Metal Catalyzed Aromatic Couplings for Construction pi-Conjugated Systems
Miura, M., The 7th International Forum on Chemistry of Functional Organic Chemicals, Tokyo University, 2012.11.18-19 (招待講演)
- (12) 遷移金属触媒を用いる直接的芳香族カップリングの新展開
三浦雅博, 日本化学会第93春季年会, 滋賀, 2013.3.22-25 (受賞講演)
- (13) Synthesis of fused aromatic- and heteroaromatic compounds via transition-metal-catalyzed oxidative coupling
Satoh, T.; Hirano, K.; Miura, M. The 16th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 16), Shanghai, China, 2011.7.24-7.28 (ポスター発表)
- (14) Nickel-catalyzed direct alkynylation of azoles
Matsuyama, N.; Hirano, K.; Satoh, T.; Miura, M. The 16th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 16), Shanghai, China, 2011.7.24-7.28 (ポスター発表)
- (15) Preparation of palladium nanoparticles in ionic liquids by sputter deposition and its application to Suzuki-Miyaura coupling in water
Oda, Y.; Hirano, K.; Yoshii, K.; Kuwabata, S.; Torimoto, T.; Miura, M. The 16th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 16), Shanghai, China, 2011.7.24-7.28 (ポスター発表)
- (16) Rhodium-catalyzed oxidative coupling of benzylamines with alkynes via dehydrogenative cyclization
Morimoto, Y.; Hirano, K.; Satoh, T.; Miura, M. The 16th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 16), Shanghai, China, 2011.7.24-7.28 (ポスター発表)
- (17) 遷移金属触媒を用いる直接的芳香族カップリング
三浦雅博, 有機合成化学協会東海支部, 若手研究者のためのセミナー, 2011.7.29 (招待講演)
- (18) Copper-Mediated Cross-Coupling via C-H Cleavage
Miura, M. Aachen-Osaka Joint Symposium: Biological and Chemical Approaches to Selective Processes, RWTH Aachen University, Germany, 2011.9.1-2 (口頭発表)
- (19) Transition-metal-catalyzed oxidative coupling of aromatic substrates with unsaturated compounds

- Satoh, T.; Miura, M. International Symposium on Organometallic Chemistry 2011 (ISOMC 2011), Osaka, Japan, 2011.11.11-11.12 (口頭発表)
- (20) 遷移金属触媒を用いる直接的芳香族カップリング
三浦雅博, 第 72 回ファインケミカルズ研究会例会, 大阪国際交流センター(大阪市), 2011.3.3 (招待講演)
- (21) Transition metal-catalyzed oxidative coupling of aromatic substrates with alkynes and alkenes via C-H and/or C-C bond cleavage
Satoh, T.; Hirano, K.; Miura, M. The 2010 International Chemical Congress of Pacific Basin Societies (Pacifichem 2010), Honolulu, Hawaii, USA, 2010.12.15-12.20(口頭発表)
- (22) Nickel-catalyzed direct C-H alkynylation of azoles
Matsuyama, N.; Hirano, K.; Satoh, T.; Miura, M. The 2010 International Chemical Congress of Pacific Basin Societies (Pacifichem 2010), Honolulu, Hawaii, USA, 2010.12.15-12.20 (ポスター発表)
- (23) Palladium-catalyzed decarboxylative coupling of biomass-derived cinnamic acids
Satoh, T.; Yamashita, M.; Hirano, K.; Miura, M. The 2010 International Chemical Congress of Pacific Basin Societies (Pacifichem 2010), Honolulu, Hawaii, USA, 2010.12.15-12.20 (ポスター発表)
- (24) 遷移金属触媒を用いる直接的芳香族カップリングの新展開
三浦雅博, 第 38 回オルガノメタリックセミナー(触媒学会), 大阪大学(吹田キャンパス), 2010.11.22 (招待講演)
- (25) 炭素-水素結合切断を経る触媒的芳香族カップリング
三浦雅博, 平成 22 年度後期有機合成化学講習会(有機合成化学協会), 東京(日本薬学会長井記念館), 2010.11.17 (招待講演)
- (26) Nickel-Catalyzed Direct Alkynylation of Azoles
Matsuyama, N.; Hirano, K.; Satoh, T.; Miura, M. International Symposium on Environmentally Benign Synthesis, Osaka University Nakanoshima Center, Osaka, Japan, 2010.10.22-23 (ポスター発表)
- (27) Copper- or Nickel-Catalyzed Direct Functionalization of Azole Compounds
Miura, M. China-Japan Symposium on Catalytic Organic Synthesis, Nankai University, Tianjin, China, 2010.9.24-26 (招待講演)
- (28) New Development of Aromatic Coupling by Transition Metal Catalysis
Miura, M. Japan-Turkey Organometallic Catalysis Mini-Symposium, Izmir Institute of Technology, Turkey, 2010.9.13 (招待講演)
- (29) Copper- or Nickel-Catalyzed Direct Coupling of Heteroarenes

Miura, M. 3rd Aachen-Osaka Joint Symposium: Biological and Chemical Approaches to Selective Processes, RWTH Aachen University, Germany, 2010.9.6-7 (口頭発表)

- (30) Synthesis of Fused Aromatic Compounds via Transition-Metal-Catalyzed Oxidative Coupling, Satoh, T.; Miura, M. 12th Belgian Organic Synthesis Symposium (BOSS XII), Namur, Belgium, 2010.7.11-16 (ポスター発表)

3 . 特許

該当無し

4 . 学会・シンポジウム等の開催状況

- (1) 第 8 回集積有機合成国際シンポジウム (ISIS-8) , 奈良 , 2013.11.29-12.1 (三浦雅博, 組織委員)
- (2) 10th International Symposium of Carbanion Chemistry , 京都 , 2013.9.23-26 (三浦雅博, 組織委員)
- (3) 10th International Symposium on Relations between Homogeneous and Heterogeneous Catalysis , 札幌 , 2013.8.4-9 (三浦雅博, 組織委員)
- (4) 20th International Symposium on Olefin Methathesis and Related Chemistry , 奈良 , 2013.7.14-19 (三浦雅博, 組織委員)
- (5) 第 59 回有機金属討論会 , 大阪 , 2012.9.13-15 (三浦雅博 , 世話役代表)
- (6) 日本化学会第 93 春季年会 , 滋賀 , 2012.3.22-25 (三浦雅博, 実行委員・プログラム委員長)
- (7) 第 7 回集積有機合成国際シンポジウム(ISIS-7) , 神戸 , 2011.10.9-10(三浦雅博, 組織委員)
- (8) 石油学会神戸大会 (第 40 回石油・石油化学討論会) , 神戸, 2010.11.25-26 (三浦雅博, 実行委員) .
- (9) 第 6 回集積有機合成国際シンポジウム (ISIS-6) , 神戸 , 2010.10.23-24 (三浦雅博, 組織委員) .

5 . 受賞等

- (1) 鈴木智晴(M1)、石油学会関西支部 第 22 回研究発表会優秀ポスター賞、2013.12.7
- (2) 宇納佑斗(M2)、第 3 回 CSJ 化学フェスタ 2013 優秀ポスター発表賞、2013.10.21-23
- (3) 伊藤将城(M2)、第 9 回 GSC ポスター賞、2013.6.6-7
- (4) 三浦雅博、日本化学会学術賞、2013.3.23
- (5) 三浦雅博、トムソン・ロイター 第 3 回リサーチフロントアワード、2012.2.21

6 . 新聞報道等

- (1) 先端科学研究者に日本の 16 人を選出
三浦雅博他、産経新聞朝刊、2012.2.15
- (2) 「クロスカップリング」進化
三浦雅博他、日本経済新聞、科学技術面、2011.2.7

7 . 国民との科学・技術対話

- (1) 大阪大学工学部一日体験化学教室「高校生および引率の教諭、参加 160 名、2012 年 8 月 8 日（水）8 時 30 分～16 時 00 分、アンケート有」（分担参加）
- (2) 大阪大学工学部一日体験化学教室「高校生および引率の教諭、参加 190 名、2011 年 8 月 9 日（火）8 時 30 分～16 時 00 分、アンケート有」（分担参加）

8 . 領域内の共同研究の準備・実施状況とその成果

- (1) 同研究先：慶応義塾大学，垣内史敏（A01 班，公募班員）
共同研究内容：ルテニウム触媒を用いたアルケニル化反応
共同研究成果：論文発表（2 件）