

Poster Presentation

September 4, Thursday

Odd Numbers : 15:45 – 16:45 Even Numbers : 16:45 – 17:45

[PB-001]*

Satoko Okuda, Toshimichi Ohmura, Takeru Torigoe (Kyoto Institute of Technology)
A Novel Method for *in situ* Preparation of Ir/NNSi Complexes and Their Use in C(sp³)-H Borylation

[PB-002]*

Subin Park, Youngsuk Kim (Pusan University)
N-Heterocyclic Carbene-Derived Carbon Disulfide Radical Ligands for
Palladium Diradical Complexes

[PB-003]*

Nicholas C. C. McVeigh, David J. Nelson (University of Strathclyde)
Probing the oxidative addition reactions of [Ni(COD)(dppf)] with aryl and
vinyl triflates

[PB-004]*

Mirei Kawamoto, Kohei Tamao, Takahiro Sasamori (University of Tsukuba)
Synthesis and Structure of 9,10-Difluoro-9,10-disila-9,10-dihydroanthracene

[PB-005]

Naoki Oku, Keito Fuke, Ken Yamazaki, Yasunori Matsui, Hiroshi Ikeda, Tomoya Miura (Okayama University)
anti-Markovnikov Hydration of Alkenes by Highly Oxidative Copper Photoredox Catalysis

[PB-006]

Wei-Yi Lin, Guan-Zhou Lin, Ting-Wei Chang, Tsz-Fai Leung (National Sun Yat-sen University)
Advancing catalysis through strongly donating N-heterocyclic imine moiety

[PB-007]

Nuray Uzunlu Ince, Hamed Huda Ahmed Mohamed, László Kollár, László Mika, Attila Takács (University of Pécs)
Potential Alternative Solvents for Palladium-Catalyzed Aminocarbonylation of Iodo(hetero)arenes

[PB-008]*

T. Kieran Redpath, Catherine E. Weetman, Tom J. A. Corrie, David J. Nelson (University of Strathclyde)
Developments in Nickel-Catalysed Cross-Coupling of Sterically Hindered Aryl Substrates

[PB-009]

Hiroshi Naka, Marie Ono, Toshiki Asai, Yuki Shichi, Asuka Naraoka, Yasuhiro Ohki, Yoshiji Takemoto (Kyoto University)
An Iridium Carboxylate Precatalyst for Transfer Dehydration of Amides

[PB-010]

Takeaki Iwamoto, Tomoki Ishikawa, Naohiko Akasaka, Shintaro Ishida (Tohoku University)
Thermal Isomerization of a Tetrasilicon Analog of But-1,3-dien-1-ide Anion

[PB-011]*

Kihyuk Sung, Hye-Young Jang (Ajou University)
Highly Active Zn-Gallate Catalyst for Tailored CO₂-Based Polymer Architectures

[PB-012]*

Anna A. M. Miller, Phillip Biallas, Benjamin D. A. Shennan, Darren J. Dixon (University of Oxford)
Enantioselective Total Synthesis of (+)-Incargranine A Enabled by Bifunctional Iminophosphorane and Iridium Catalysis

[PB-013]*

Simon Stifel, Leon F. Richter, Claudia Schmidt, Alexander Pöthig, Fritz E. Kühn (Technical University of Munich)
Abnormal Tetrazolylidene Gold(I) Chloride Complexes and their Potential in Catalysis and Medicinal Chemistry

[PB-014]*

Keigo Miki, Ryosuke Matsubara, Masahiko Hayashi (Kyoto University)
Non-aerobic and One-pot Synthesis of Carbazoles from Cyclohexanones and Arylhydrazines

[PB-015]

Koichi Mitsudo, Naoto Maekawa, Ryo Magata, Seiji Suga (Okayama University)
Synthesis of *N,O*-Bidentate Difluoroborane Derivatives via Iodide-Promoted Demethylative Borylation

[PB-016]

Takanori Shima, Qingde Zhuo, Xiaoxi Zhou, Gen Luo, Zhaomin Hou (RIKEN)
Dinitrogen Activation and Functionalization by Multinuclear Hydrides

[PB-017]*

Yeongyeon Lee, Seohyeon Yoon, Jinwoo Kim (Chungnam National University)
Streamlined Umpolung Coupling to Diarylamine using Easily Accessible Copper Catalyst

[PB-018]*

Seonyoung Kim, Eunji Kwon, Hyunwoo Kim (POSTECH)
Electrochemical Direct C(sp²)-H Difluoromethylation and 1,1-Bis(difluoromethylation) of Alkenes

[PB-019]

Yuki Yamamoto, Reiya Kani (University of Yamanashi)
Dual Cooperative Palladium Catalysis for Regio- and Stereoselective Vicinal *trans*-Bisphosphination of Terminal Alkynes with Diphosphines and Its Application to One-pot Synthesis of Functional Phosphorus Materials

[PB-020]

Akira Matsumoto, Nayu Hashimoto, Wang Chao, Keiichi Hirano (Kanazawa University)
Modular Synthesis of 1,5-Disubstituted 1,2,3-Triazoles from Phosphonium Ylide as Multifunctional Radical/Polar Linchpin

[PB-021]

En-Chuan Zhang, Yu-Chen Lo, Ya-Fan Lin (National Dong Hwa University)
Tunable Reactivity in a Dynamic Imine System: Effects of Acid and Solvent

[PB-022]

Christophe Bour, Robert J. Mayer, Marie Vayer (Université Paris-Saclay)
Electrochemical Propargylation of *N*-Heterocycles: Unlocking the Potential of 2,3-Allenic Acids

[PB-023]*

Masayuki Abe, Yoshihiro Nishimoto, Makoto Yasuda (The University of Osaka)
Photoredox-Catalyzed C–F Bond α -Aminoalkylation of Trifluoromethylarenes with Trialkylamines

[PB-024]*

Siyeon Jeong, Sung Bin Min, Bo Hyeong Ryu, Jung Min Joo (Kyung Hee University)
Ligand-Enabled Synergistic Pd/Ag Catalysis for C–H Alkenylation of 2,1,3-Benzoheterodiazoles

[PB-025]*

Nobuki Katayama, Kazuhiko Semba, Tetsuaki Fujihara, Yasushi Obora (Kansai University)
Palladium-Catalyzed Formal *anti*-Markovnikov Hydroamidation of 1,3-Dienes with Disilane via 1,4-Silylamidation

[PB-026]

Shijiang He, Zhongxing Huang (The University of Hong Kong)
Asymmetric synthesis of tetrasubstituted allenes and olefins via remote desymmetrization

[PB-027]

Yamato Kato, Reika Yamada, Takayuki Shioiri, Masato Matsugi (Meijo University)
Regioselective Air-oxidation of Olefins with Fluorous Iron(III) Salen Complex

[PB-028]

Jianye Li, Zhongxing Huang (The University of Hong Kong)
Asymmetric decarboxylation of alkynes for the construction of allenes

[PB-029]*

Takahiro Yasuda, Suguru Yoshida (Tokyo University of Science)
Selective Transformations of Azides with Various Functional Groups

[PB-030]*

Haruka Yamaguchi, Takashi Kurogi, Hideki Yorimitsu (Kyoto University)
Oxidative Cross-Coupling Reaction of 1,2-Dizincioalkenes with Another Organozinc Compounds

[PB-031]

Kohei Takahashi (The University of Tokyo)
Transition metal-catalyzed degradation of epoxy resins via cleavage of C(sp³)–O bonds to recover small molecules

[PB-032]

Felix Flachsmann, Andreas Goeke, Paul N. Davey, Ivan Tse, Simon Ellwood, Martin Lovchik (Givaudan Schweiz AG)
Homogeneous Metathesis: Industrial Synthesis of the Macrocyclic Musk AmbreXolide™

[PB-033]

Tsuyoshi Mita, Ren Yamada, Yamato Ueno, Yu Harabuchi, Ruben Staub, Alexandre Varnek, Wataru Matsuoka, Satoshi Maeda (Hokkaido University)
The Automated Reaction Path Search for Rh-Catalyzed Intermolecular [5+2] Cycloaddition of Vinylcyclopropanes and Alkynes

[PB-034]*

Hassan Saeed, Yuto Matsuoka, Kazuki Tanifuji, Yasuhiro Ohki (Kyoto University)
Highly selective reduction of carbon monoxide to methane using a cuboidal [Mo₃S₄Fe] catalyst

[PB-035]*

Ishita Roy, Joyram Guin (Indian Association for the Cultivation of Science)
C(sp²)-H Acylation of Benzo[h]quinolines at Room Temperature via Aldehyde Autoxidation and Palladium Catalysis Cooperation

[PB-036]*

Yunhao Song, Michinori Suginome (Kyoto University)
Iridium-Catalyzed Intermolecular Silylene Transfer Reaction Enabling Synthesis of 1,2-Oxasilines

[PB-037]*

Shugo Tasaki, Koh Sugamata, Takahiro Sasamori (University of Tsukuba)
Synthesis and Structure of a Dithiosilacarboxylate Dimer

[PB-038]*

Wataru Ishihama, Takahiro Sasamori (University of Tsukuba)
Synthesis and Structure of 1,2,3-Trisilacyclopentenes

[PB-039]*

Jieun You, Jaesook Yun (Sungkyunkwan University)
Copper-Catalyzed Enantioselective Hydroboration of Cyclic Dienes

[PB-040]

Yukako Yoshinaga, Ryo Nishimaru, Michinori Suginome (Kyoto University)
Insertion Cyclopolymerization of Diisocyanides toward Helical Polymers Bearing Chiral Eight-Membered [1,4]Diazocine Rings

[PB-041]*

Satoshi Suzuki, Kazuhiko Semba, Tetsuaki Fujihara (Kyoto University)
Zinc-catalyzed allylation of carbonyl compounds by in situ generated β -silyl allylzinc intermediates from a zinc complex, a silylborane and 1,2-dienes

[PB-042]*

Samuel Wesley Oultram, David Nelson, Katherine Wheelhouse (University of Strathclyde)
19F NMR as a tool for understanding the initiation, speciation and catalytic activity of air-stable nickel(II) pre-catalysts

[PB-043]*

Sekwang Baek, Juno Im, Eun Jeong Yoo (Kyung Hee University)
Dearomative [5 + 4] Cycloaddition via Intramolecular 1,9-Proton Transfer and Stereoselective Ring Contraction

[PB-044]*

Guganchandar Vedarethinam, Shih-Ching Chuang (National Yang Ming Chiao Tung University)
Pd(II)-Catalyzed C(sp²)-H Alkenylation of 2-Amino Biaryls with Bulky Internal Alkynes: From Alkenylation to Orthogonal Polycyclic Hydrocarbons

[PB-045]*

Keigo Masaki, Naoki Arai, Tetsuya Yamamoto (Tokyo Denki University)
Mesoionic-Carbene Coordinated Palladium Complexes Catalyzed Addition of Arylboron Compounds to Aldehydes or Enones

[PB-046]

Akira Saito, Masakatsu Shibasaki (Institute of Microbial Chemistry)
Catalytic Asymmetric Addition of Acetonitrile to Unactivated Ketimines

[PB-047]

Yushu Jin, Kohei Kamemura, Yaya Takana, Takanori Matsuda (Tokyo University of Science)
Synthesis of Unsymmetrical Cationic Biaryls by Palladium-Catalyzed Suzuki-Miyaura Coupling of Cationic Aryl Boronic Esters

[PB-048]*

Aituar Tulipkaliyev, Masaya Sawamura, Yusuke Masuda (Hokkaido University)
Synthesis of β -Vinylated Tri(1-adamantyl)phosphine and Catalytic Activity of Its Gold Complex

[PB-049]

Nobuyuki Mase, Hiroto Sakurai, Kohei Sato, Tetsuo Narumi (Shizuoka University)
Advancing Green Oxidation: Reductant-Free Ozonolysis Using Fine Bubbles

[PB-050]*

Ketsanee Jantawan, Matthias Tamm, Kotohiro Nomura (Tokyo Metropolitan University)
Efficient Synthesis of Cyclic Olefin Copolymers by Ethylene Copolymerization with Norbornene and Tetracyclododecene Using Ti Complexes Containing Unsymmetric Imidazolin-2-iminato Ligands

[PB-051]*

Cristina Cheibas, Laurent El Kaïm, Anne-Chantal Gouget, Marianne Guillard-Sabas, Yvan Sixa, Samir Zard (École Polytechnique)
PFAS-free omniphobic coatings via PDMS-based surface functionalization

[PB-052]*

Shivesh Baburam, Frederick G. West (University of Alberta)
An Approach to the Desymmetrization of Diols *via* Chemoselective Carbene O–H Insertion of Diazo and *N*-tosylhydrazone Compounds

[PB-053]

Shintaro Okumura, Aya Tazawa, Kaoru Torii, Yasuhiro Uozumi (Kyoto University)
Photocatalytic Reduction of Aliphatic Aldehydes and Ketones by an Amphiphilic Resin-Supported Iridium Complex

[PB-054]

Takuya Kochi, Kazuma Muto, Miho Hatanaka, Fumitoshi Kakiuchi (Keio University)
How Chain Walking of a Palladium Catalyst Occurs: Theoretically Suggested Differences from Conventional Drawings

[PB-055]

Hirofumi Ueda, Soichiro Sato, Kenta Noda, Kosuke Okada, Ken-ichi Ojima, Nagao Kobayashi, Hidetoshi Tokuyama (Tohoku University)
Unified and Convergent Synthesis of Bisindole Alkaloids via Iron-Catalyzed Oxidative Coupling

[PB-056]*

Hamzah Sharif, Luke A. McCall, Robert J. Phipps (University of Cambridge)
sRuPhos: A Second Generation Sulfonated Phosphine Ligand for Atroposelective Suzuki-Miyaura Cross-Coupling

[PB-057]*

Filip Duplić, Nikola Topolovčan (Ruđer Bošković Institute)
Design and Synthesis of Chiral Cyclopentadienyl Ligands from *L*-(+)-Tartaric Acid

[PB-058]*

Litian Chen, Takahiro Doba, Masaharu Nakamura (Kyoto University)
Iron-Catalyzed Hiyama Coupling between HOMSi and Unactivated Alkyl Halides

[PB-059]*

Geng Li, Takashi Inagaki, Shun Suginome, Yoshiaki Nishibayashi (The University of Tokyo)
Electrocatalytic Ammonia Oxidation Catalyzed by Ruthenium Complexes Featuring Redox-Active Ligands

[PB-060]*

Minghua Li, Lingtao Wang, Huachen Yan, Zhaoyang Cheng, Zhan Lu (Zhejiang University)
Iron-Catalyzed Enantioselective Hydrosilylation of α -Substituted Vinylsilanes

[PB-061]*

Martin C. Dietl, A. Stephen K. Hashmi (Heidelberg University)
Access To Super Bulky Gold(I) Catalysts Via On-Metal Suzuki-Couplings As A Key For New Reactivities in Gold-Catalysis

[PB-062]*

Asuka Tonomura, Shotaro Shibutani, Kazunori Nagao, Hirohisa Ohmiya (Kyoto University)
Alkylhalogenation of Electron-Deficient Alkenes via A Dual Photoredox/Cobalt Catalysis

[PB-063]*

Hiroki Iwamoto, Kazutoshi Nishimura, Kosuke Yasui, Koji Hirano (The University of Osaka)
Synthesis of Benzoarsole Derivatives via Arsenic Cation

[PB-064]

Hidetoshi Noda, Ajjur Rahaman, Ramasamy Manoharan, Xinxin Tang, Yasuko Asada, Masakatsu Shibasaki (Institute of Microbial Chemistry)
Saturated N-Heterocycle Synthesis with Alkyl Metallonitrenes

[PB-065]*

Naveen Kumar, Amrendra Kumar Singh (Indian Institute of Technology Indore)
Synthesis, characterization, and electrochemical studies of Ruthenium NHC Complexes with proton-responsive ligands

[PB-066]*

Francesco Ravera, Alessandro Bortoli, Federico Floreani, Didier Bourissou, Andrea Biffis (University of Padua)
Direct hydroarylation of organic isocyanates with heteroarenes: a new challenge for Au-mediated π -acid catalysis

[PB-067]

Francesco Ravera, Federico Floreani, Andrea Biffis (University of Padua)
Fine chemicals synthesis through gold(I) catalyzed direct hydroarylations

[PB-068]*

Chihiro Maruya, Kaito Yagi, Takeru Torigoe, Toshimichi Ohmura (Kyoto Institute of Technology)
Iridium-Catalyzed C(sp³)-H/O-H Coupling for the Synthesis of Benzofurans

[PB-069]*

Kanta Ueji, Ryo Shintani (The University of Osaka)
Alkoxide-Catalyzed Synthesis of Multisubstituted Silacyclopentanes by Silylborylative Cyclization of Dialkenylsilanes

[PB-070]*

Jihoon Kim, Eun Joo Kang (Kyung Hee University)
Sustainable Fe-Iminopyridine Complexes for the Regioselective Synthesis of Oxazolidinones Using Carbon Dioxide

[PB-071]

Beiling Wu, Pincella Francesca, Masaharu Nakamura (Kyoto University)
Iron-Catalyzed Synthesis of Urushiol Analogs Derived from Fatty Acid

[PB-072]

Hsiang-Jen Cheng, Hsiu-Fu Hsu (Tamkang University)
Tetra[4]helicenes by Cyclization of Triarylbenzene

[PB-073]

Naohiko Yoshikai, Kento Tsukiji, Kazuya Kanemoto (Tohoku University)
Stereoselective C-C Bond-Forming Reactions of Cyclopropanols via Enolized Homoenolate

[PB-074]

Kouki Matsubara, Manato Moriguchi, Tsutomu Takashima, Yuichiro Tago (Fukuoka University)
A New Class of Tertiary Phosphines Bearing An Alkyl Substituent with Remote Steric Bulk for Ni-Catalyzed Suzuki-Miyaura Coupling

[PB-075]

Hajime Yokoyama, Masahiro Miyazawa (Toyama University)
Catalyst-controlled Stereoselective Synthesis of Phomonol

[PB-076]

Bartłomiej Pigulski, Jakub Bielczyński, Nurbey Gulia, Sławomir Szafert (University of Wrocław)
Organometallic and Organometalloid Species Derived from 1-Halopolyynes

[PB-077]*

Yan Zhang, Xiaoyu Zhang, Linhong Long, Hui Chen, Eiichi Nakamura, Xiaoming Zeng (The University of Tokyo)
Catalytic Conversion of Carboxylic Esters to Mono- or Bis(boryl)alkanes via Boryloxy Chromium–Carbene Intermediates

[PB-078]*

David Sánchez-Roa, Sophia Belrhomari, Eva Hevia (University of Bern)
Sodium-mediated C–H Silylation of (Hetero)Arenes: Leveraging Alkali Metal Effects to Access Organosilicon Compounds

[PB-079]*

Ryu Tadano, Takeshi Yasui, Yoshihiko Yamamoto (Nagoya University)
Heteroaryl-Selective C–H Silylation for Asymmetric Synthesis of Trifluoromethylated Heterobenzhydrols

[PB-080]

Keiyo Nakai, Takahiro Konishi, Takashi Kikuchi, Kuniyoshi Miki, Mitsuhsa Yamano (SPERA PHARMA Inc.)
3D ED/MicroED structural analysis of various organometallic complexes

[PB-081]*

Nicolas Kaiser, Julius Busse, Ben Wichmann, Viktoria H. Gessner (Ruhr-University Bochum)
Organoaluminium Reagents in Pd-Catalyzed Cross-Coupling Reactions

[PB-082]*

Natsuki Minematsu, Yuji Nishii, Koji Hirano (The University of Osaka)
Synthesis of Carborane Sulfides by Palladium-Catalyzed Coupling Reaction

[PB-083]

Sergei A. Gorbatov, Luiz Paulo Melchior de Oliveira Leão, and Carlos Roque Duarte Correia (University of Campinas)
Enantioselective Heck-Matsuda γ -Arylation of β,γ -Unsaturated Butenolides: Efficient Synthesis of Quaternary Arylated Scaffolds

[PB-084]*

Yusui Takahashi, Keiichiro Iizumi, Junichiro Yamaguchi (Waseda University)
Deoxygenative radical reactions of ketones via phospha–Brook rearrangement

[PB-085]*

Takuo Tamura, Takeshi Yamamoto, Michinori Sugimoto (Kyoto University)
Cu-Catalyzed Asymmetric Electrophilic Fluorination in Pure Water Using Water-Soluble Helical Chiral Polymer Ligands

[PB-086]*

Shinya Tabata, Suguru Yoshida (Tokyo University of Science)
Synthesis of Organosulfur Compounds through Bromothiolation of Silylaryl Triflates

[PB-087]

Minghao Zhang, Zhongxing Huang (The University of Hong Kong)
Enantioconvergent Deacylative Functionalization towards α -Quaternary Nitriles

[PB-088]*

Mizuki Katagiri, Shin-ichi Fukuzawa (Chuo University)
Silver complexes catalyzed asymmetric three-component cycloaddition of allylamine, methyl glyoxylate, and phenylmaleimide

[PB-089]

Kosaku Tanaka, III, Ren Yamada, Suvankar Debbarma, Wataru Kanna, Wataru Matsuoka, Hiroki Hayashi, Satoshi Maeda, Tsuyoshi Mita (Hokkaido University)
Computationally Guided Design of Photoexcited Pd Catalysts for Ketyl Radicals Generation from Alkyl Ketones

[PB-090]*

Nitsan Barel, Kamal Uddin Ansari, Shrouq Mujahed, Katarzyna Młodzikowska-Pieńko, David Danovich, Renana Gershoni-Poranne, Yuri Tulchinsky (The Hebrew University of Jerusalem)
Get positive: First cationic tripodal ligand and its Rh(I) complexes

[PB-091]

Adi Wolfson, Oshrat Levy-Ontman (Sami Shamoon Collage of Engineering)
Heterogenization of metal catalyst on carrageenan polysaccharides for sustainable synthesis

[PB-092]*

Shoma Kobayashi, Kazuma Abe, Haru Kobayashi, Kwek Cheah Ming, Takeshi Hata (Institute of Science Tokyo)
Iron-TMEDA Catalyzed Selective Substitution of Aliphatic Grignard Reagents to Diene and Triene Monoepoxides: A Formal Total Synthesis of (+)-Zincophorin

[PB-093]

Yukina Taka, Sakura Yoshiyama, Yasutaka Kataoka (Nara Women's University)
Oxidation of Cyclooctane with Molecular Oxygen Catalyzed by Cationic Cp* Iridium(III) Complexes Bearing the NHC Ligand

[PB-094]

Tsubasa Omoda, Kosuke Iwata, Koshi Miyazawa, Kenta Kurashima, Hiroshige Yamaura, Bo Zhu, Yu Tian, Yuta Takahira, Koji Yamamoto, Daisuke Hashizume, Shigeyoshi Sakaki, Tetsuro Murahashi (Institute of Science Tokyo)
Atomic Diffusion in an Organometallic Cluster Induced by a Surface Vacancy

[PB-095]

Antonio Torres-Calis, Eduardo Gabriel Guzmán-López, Miguel Reina, Marcos Flores-Alamo, Juventino J. García (Universidad Nacional Autónoma de México)
MHAT-Driven Copper-Catalyzed Hydrosilylation of Alkenes: A New Radical Pathway for a Less Explored Regioselectivity

[PB-096]*

Taiki Negoro, Ryohei Doi (The University of Osaka)
Pd-Catalyzed Enantioselective Tsuji-Trost Reaction of Acyclic Fluoroenolate

[PB-097]*

Naoki Morita, Shinnosuke Yoshikawa, Eisuke Ota, Junichiro Yamaguchi (Waseda University)
Rh-Catalyzed Synthesis of Isobenzofurans Toward the Synthesis of Aspergichromones

[PB-098]

Zhenyao Li, Jun Takaya (The University of Osaka)
Synthesis, Structure, and Reactivity of Heterobimetallic Complexes Featuring Period 4 Transition Metal–Rh bonds

[PB-099]

Erin Hayashi, Tetsuji Fujii, Gouki Makado, Yuki Araki, Tsuyoshi Kawai, Tsumoru Morimoto (Nara Institute of Science)
Rh(I)-Catalyzed Selective Hydroformylation Reactions with Formaldehyde

[PB-100]*

Runlin Yang, Shaheen Kasim Mulani, Gaurav Shukl, Sandeep Ramesharao Tapkir, Masahiko Seki, and Kazushi Mashima (The University of Osaka)
A Ketone Synthesis via Cu(I)-Catalyzed Coupling Reaction of 2-Pyridylthioesters with Grignard Reagents

[PB-101]

Seongwoo Bae, Jinwoo Kim (Chungnam National University)
Quinoxaline-Based Reductive Photocatalysts for Nitrile Synthesis

[PB-102]*

Matthias Scherr, Martin C. Dietl, A. Stephen K. Hashmi (Heidelberg University)
Modular Method Development for Gold(I)-Catalyzed Synthesis of Functionalized Azulene-Based Heterocycles

[PB-103]

Atsushi Tahara, Kanta Fukagawa, Raku Ueno, Takayuki Doi (Tohoku University)
Iridium-Catalyzed Linear-Selective Dimerization of Styrene Derivatives

[PB-104]*

Hiroki Motoyama, Fumitoshi Shibahara (Gifu University)
Steric and electronic substituent effects of Pd-imidazo[1,5-*a*]pyrid-3-ylidene complexes on cross-coupling reactions

[PB-105]*

Kazuki Wada, Shunsuke Kudo, Shunsuke Furukawa, Masaichi Saito (Saitama University)
Double C–C Bond Formation without Catalysts Using a Stannacyclopentadienylidene

[PB-106]*

Annika Schmidt, Carsten Strohmann (TU Dortmund University)
Organometallic Chemistry Directed Towards Anionic Polymerization

[PB-107]*

Clara Mauclaire, Albert Poater, Jean-Luc Renaud (Sorbonne Université)
Blue Light Induced Iron-Catalyzed Alkylation of Ketones with Alcohols

[PB-108]*

Keitaro Kato, Shintaro Okumura, Naoki Ishida (Kyoto University)
Photo-Induced C–H Methoxylation of *N*-Alkylamides

[PB-109]

Masaya Sakamoto, Tomonori Inoue, Ken Tanaka (Institute of Science Tokyo)
Iridium-Catalyzed, 1,3-Azole-Directed C(sp³)–H Borylation with Pinacolborane

[PB-110]*

Beata M. Moritz, Paul E. Schneider, Carsten Strohmann (TU Dortmund University)
Planar Chiral Ferrocenes as Key Compounds for Asymmetric Catalysis

[PB-111]

Wei-Feng Zheng, Min Hou, Zhongxing Huang (The University of Hong Kong)
Asymmetric decarboxylation enabled by an organometallic proton shuttle

[PB-112]*

Eitaro Ueda, Tetsuro Kusamoto, Hayato Tsurugi (The University of Osaka)
Allylic Hydrogen Atom Abstraction by α -Diimine-Ligated Bis(imido)molybdenum Complexes under Blue LED Irradiation

[PB-113]*

Kenichi Yoshimura, Takeshi Yasui, Yoshihiko Yamamoto (Nagoya University)
Ruthenium-catalyzed [2 + 2 + 2] Cycloaddition of 1,6-Diynes with *Ex-situ* Generated Acetylene, Leading to Spirocyclic Phthalans

[PB-114]*

Semere W. Kahssay, Yasmine M. Abdel Aziz, Marwa Elewa, Mohamed S. H. Salem, Shinobu Takizawa (The University of Osaka)
Diastereoselective Synthesis and Applications of Cobalt(III) Complexes in Catalysis and Medicinal Chemistry

[PB-115]*

Bingcheng Wang, Lingtao Wang, Jiale Ying, Zhan Lu (Zhejiang University)
Steric-Controlled Cobalt-Catalyzed Regiodivergent Dehydrogenative Silylation of Alkenes

[PB-116]*

Ryohei Okuda, Takanori Shimada, Kento Ishida, Yohei, Ogiwara, Norio, Sakai (Tokyo University of Science)
Zirconocene catalyzed formal hydroboration of unsaturated hydrocarbons using a hydrosilane and boron trifluoride

[PB-117]*

Ryo Hatagochi, Yusuke Yoto, Naoko Takenaga, Ravi Kumar, Toshifumi Dohi (Ritsumeikan University)
Copper-Catalyzed Synthesis of Sulfonium Salts with Mesityl Iodonium Salts

[PB-118]*

Carla A. Esslinger, Stefan G. Latzel, Fritz E. Kühn (Technical University of Munich)
Tailored Iron *N*-Heterocyclic Carbene Complexes: Versatile Catalysts for Selective Oxidation Reactions

[PB-119]*

Guanwen Hu, Yangjian Quan (The Hong Kong University of Science and Technology)
Nickel Catalyzed Diastereoselective Hydroboration of Olefins with a Vinylborane Reagent

[PB-120]*

Yuto Arai, Shunsuke Ogura, Akira Matsumoto, Chao Wang, Keiichi Hirano (Kanazawa University)
 α -Selective C–H Alkylation of α -Silyl Alcohols using Phosphonium Ylides as Hydrogen Atom Transfer Catalysts

[PB-121]

Haruka Matsui, Yuki Kojima, Koji Hirano (The University of Osaka)
Copper-Catalyzed Regio- and Enantioselective Hydrofunctionalizations of Trifluoromethylselenoalkenes

[PB-122]*

Taiyo Yamamoto, Ken Yamanomoto, Kohei Endo (Tokyo University of Science)
Creation of Chiral All-Carbon Quaternary Center via Asymmetric Conjugate Addition of Organoaluminum Reagents to α' -OH enones

[PB-123]*

Luca Vedani, Andryj M. Borys, Eva Hevia (University of Bern)
Exploiting Coordination Effects in Nickelate Complexes for Cross-Coupling Challenging Electrophiles

[PB-124]*

Kyohei Mikita, Chihiro Maruya, Kaito Yagi, Takeru Torigoe, Toshimichi Ohmura (Kyoto Institute of Technology)
Synthesis of Five- to Seven-Membered *N*-Heterocycles by Iridium-Catalyzed C(sp³)–H/N–H Coupling

[PB-125]*

Meng Deyuan, Jaesook Yun (Sungkyunkwan University)
Fe-catalyzed Regioselective *Csp*³–*Csp*³ Coupling with Vinyl Arenes and Benzyl Tosylates

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Paul E. Schneider, Beata M. Moritz, Carsten Strohmam (TU Dortmund University)
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Spin Manipulation of Chiral Cobalt Complexes

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