

Contributed papers

November 10 (Tue)

16:40-18:40 Poster Session 1 (Rooms C and D)

PA(C)-01 — PA(C)-73 (Room C)

PA(D)-01 — PA(D)-38 (Room D)

Room C

- PA(C)-01 **Chihiro Maeda, Yuki Miyazaki, Junta Shimonishi, Kazuto Takaishi, Tadashi Ema**
Bifunctional Metalloporphyrin Catalysts for the Synthesis of Cyclic Carbonates from Epoxides and CO₂
- PA(C)-02 **Yuto Akai, Laure Konnert, Takeshi Yamamoto, Michinori Suginome**
Pd-Catalyzed Asymmetric Suzuki-Miyaura Cross-Coupling of 1-Bromo-2-naphthoates Using Helically Chiral Polymer Ligands
- PA(C)-03 **Cayetana Zarate, Rubén Manzano, Ruben Martin**
Ips-Borylation of Aryl Ethers via Ni-Catalyzed C-OMe Cleavage
- PA(C)-04 **Nikola Topolovčan, Illia Panov, Martin Kotora**
Bicyclic Zirconacyclopentenes as Intermediates in the Synthesis of Polycyclic Systems
- PA(C)-05 **Yoshikazu Horino, Ataru Aimono, Hitoshi Abe**
Palladium-Catalyzed Three-Component Reaction of 3-(Pinacolatoboryl)allyl Acetates, Aldehydes, and Triorganoboranes
- PA(C)-06 **Takuya Kawashima, Kotaro Kikushima, Masato Ohashi, Sensuke Ogoshi**
Nickel-Catalyzed C-C Bond Forming Reaction of Tetrafluoroethylene with Ethylene
- PA(C)-07 **Jan Veselý, Piotr Putaj, Martin Kamlar, Michal Šimek**
Organocatalytic Allylic Asymmetric Substitution of MBH Carbonates
- PA(C)-08 **Yuji Otsuka, Ayako Sasaki, Tadashi Teshima, Katsuya Yamada, Toshihiro Yamamoto**
Syntheses of Blue Fluorescence-Emitting D-Glucose Derivatives via Pd-Catalysed C-N Coupling
- PA(C)-09 **Yu Valentina, Zazybin Alexey, Praliyev Kaldybay, Ten Assel, Basharimova Anna, Bayazit Sarah, Naukanova Madina**
Kazcaine as a Lead Compound for Novel Pharmacologically Active Substances
- PA(C)-10 **Fei Feng, Kenichi Nishijima, Nagara Tamaki, Yuji Kuge**
Super-Short Synthetic Route of Nucleotide Precursor for Radiochemical Tracer
- PA(C)-11 **Shuhei Yamakoshi, Masako Okamoto, Eiji Kawanishi, Michiko Sasaki, Kei Takeda**
First Total Synthesis of Prunostatin A

- PA(C)-12 **Takamoto Morita, Suguru Yoshida, Takamitsu Hosoya**
Synthesis of Diverse Multisubstituted Benzo[*b*]thiophenes Based on Transformations via Thienobenzyne Intermediates
- PA(C)-13 **Yuri Morzherin, T. A. Kalinina, Yu. S. Shakhmina, T. V. Glukhareva**
1,2,3-Thiadiazolyl Isocyanates in the Synthesis of Biologically Active Compounds
- PA(C)-14 **Masato Saito, Nobuya Tsuji, Yusuke Kobayashi, Yoshiji Takemoto**
Direct Dehydroxylative Coupling Reaction of Alcohol with Organosilanes through Si–X Bond Activation by Halogen Bonding
- PA(C)-15 **Masaru Kato, Masahiro Yamanaka, Kazuo Nagasawa**
Total Synthesis of *trans*-Dihydrolycoricidine Utilizing 1,4-Type Catalytic Asymmetric Friedel-Crafts Reaction
- PA(C)-16 **Minami Odagi, Kota Furukori, Kan Takayama, Kazuo Nagasawa**
Total Synthesis of (+)-Rishirilide B Based on Oxidative Kinetic Resolution Using Guanidine–Bisurea Bifunctional Organocatalyst
- PA(C)-17 **Jen-Shyang Ni, Yi-Chi Yen, Jiann T. Lin**
Organic Dyes Incorporating Fused Benzotriazole as the Conjugated Spacer for Dye-Sensitized Solar Cells
- PA(C)-18 **Yoshihiro Nishimoto, Takashi Nishimura, Makoto Yasuda**
InBr₃/Me₃SiBr-Catalyzed Coupling Reaction of Enol Ethers with Silyl Ketene Imines
- PA(C)-19 **Natsuyo Kamimoto, Dieter Schollmeyer, Koichi Mitsudo, Seiji Suga, Siegfried R. Waldvogel**
Palladium-Catalyzed Domino C–H/N–H Functionalization for the Synthesis of Novel Nitrogen-Bridged Thienoacenes
- PA(C)-20 **Naoki Okamura, Shigeyuki Yagi, Takeshi Maeda, Hiroyuki Nakazumi**
Carbazole-Appended Phosphorescent Organoplatinum(II) Complexes Aimed at Non-Doped White Organic Light-Emitting Diode
- PA(C)-21 **Masahiro Tsuchikawa, Aya Takao, Takashi Funaki, Hideki Sugihara, Katsuhiko Ono**
Light-Harvesting and Ion-Sensing Properties of Curcumin Boron Complexes for Dye-Sensitized Solar Cells
- PA(C)-22 **Reiya Ohta, Hiromichi Fujioka**
A Novel Alkyl Ether Synthesis via Pyridinium–Type Electrophilic Salt Intermediates
- PA(C)-23 **Yuta Matsukawa, Tsunehisa Hirashita, Shuki Araki**
Oxidation of Alcohols with a Novel Nitrosotetrazolium Organocatalyst
- PA(C)-24 **Ya-Yi Tseng, Ken Kamikawa, Masamichi Ogasawara, Tamotsu Takahashi**
Ring-Closing Metathesis of (η^5 -Alkenylcyclopentadienyl)-(alkenylphosphine)-manganese(I) Dicarbonyl Complexes and Their Application to Asymmetric Reactions
- PA(C)-25 **Naoto Maeta, Junki Yamamoto, Shin-ichi Fuku-en, Rong Shang, Yohsuke Yamamoto**
Syntheses of New Dipyrido-Annulated *N*-Heterocyclic Carbenes with Aryl Substituents and Their Complexation to Gold Complexes

- PA(C)-26** Tomokazu Tamagawa, Masaki Shimizu
Twisted D- π -A Type Biphenyls as Fluorescent Solid
- PA(C)-27** Mai Ogawa, Masaki Shimizu
Copper-Catalyzed Double Cross-Coupling of Cyclic Diaryliodonium Salts with AcSK: Facile Synthesis of Unsymmetrical Dibenzothiophenes
- PA(C)-28** Robert Franzén, Yu Wang, Tomi Rosholm, Nuno R. Candeias
Preparation of 2-Substituted Chromans and Chromenes
- PA(C)-29** Norio Miura, Tatsuyoshi Ito, Naohiro Kirai, Jun Takaya, Nobuharu Iwasawa
Efficient Synthesis of Unsymmetrical Diborons through PSiP-Palladium Complex-Catalyzed Boron Exchange Reaction
- PA(C)-30** Yuhi Tanaka, Ryohei Yamaguchi, Ken-ichi Fujita
Synthesis of Carboxylic Acids through Dehydrogenation of Primary Alcohols in Water Catalyzed by Iridium Complexes Bearing a Functional Ligand
- PA(C)-31** Tsung-che Chang, Yoshiyuki Manabe, Yukari Fujimoto, Koichi Fukase
Fully Synthetic Self-Adjuvanting Antitumor Vaccine Candidate Consisting of *N*-Modified TriSTn Antigen Combined with Lipopeptide and T-Helper-Cell-Epitope
- PA(C)-32** Oh Kyu Kwon, Jung-Hwa Park, Dong Won Kim, Sang Kyu Park, Soo Young Park
All-Small-Molecule Organic Solar Cells with Dicyanodistyrylbenzene-Based Nonfullerene Acceptor
- PA(C)-33** Nozomu Kakimoto, Ken Ishigami, Hidenori Watanabe
Total Synthesis of (+)-Clavigerin B
- PA(C)-34** Takafumi Ide, Hiromichi Egami, Yuji Kawato, Yoshitaka Hamashima
Benzylic C-H Trifluoromethylation of Phenols
- PA(C)-35** Toru Amaya, Yusuke Maegawa, Takaya Masuda, Yuma Osafune, Toshikazu Hirao
Vanadium(V)-Induced Selective Intermolecular Oxidative Cross-Coupling of Enolates
- PA(C)-36** Yoshiyuki Manabe, HaoSheng Li, Kento Tokunaga, Naoko Terao, Shinji Takamatsu, Masahiro Tanemura, Eiji Miyoshi, Koichi Fukase
Development of Novel Tumor Vaccine Using Synthetic α -Gal as an Adjuvant
- PA(C)-37** Yoshihiro Nishimoto, Yuji Kita, Makoto Yasuda
Development and Mechanistic Investigation of Cross-Coupling Reaction between Enol Derivatives and Silyl Ketene Acetals Catalyzed by Gallium Trihalides
- PA(C)-38** Hikaru Kobayashi, Yasunori Yamamoto
Rhodium-Catalyzed Z-Selective Hydroboration of Heteroaromatic Terminal Alkynes with Pinacolborane
- PA(C)-39** So-ichiro Nakanishi, Hideo Nagashima
Practical Procedures for ATRP by Reusable Fe(II)-TACN Catalysts
- PA(C)-40** Akihiro Shimizu, Keiji Takeda, Shota Mishima, Kodai Saito, Songhee Kim, Toshiki Nokami, Jun-ichi Yoshida
Observation and Characterization of Electrochemically Generated Thionium Ions

- PA(C)-41 **Atsushi Nanya, Kazuhiro Okamoto, Kouichi Ohe**
Rhodium-Catalyzed Asymmetric Isomerization of Isoxazoles Giving 2*H*-Azirines
- PA(C)-42 **Brian J.J. Timmer, Marta Abellán Flos, Davide Proverbio,**
Lars Mønster Jørgensen, Samuel Altun, Teodor Aastrup, Stéphane Vincent,
Olof Ramström
Importance of Spatial Arrangement of Carbohydrates in Biological Interactions
- PA(C)-43 **Naoki Oishi, Kengo Hyodo, Kingo Uchida**
Catalytic Transoximation to Aldehydes
- PA(C)-44 **Takahiro Oonishi, Yukihiro Arakawa, Keiji Minagawa, Yasushi Imada**
Development of Facile Method for Preparing Flavinium Organocatalysts
- PA(C)-45 **Mohamed A. Abozeid, Shinobu Takizawa, Hiroaki Sasai**
Spiro Chiral Ligand-Pd(II) Complex Catalyzed Enantioselective Construction of Heterocycles
- PA(C)-46 **Naoki Asari, Yusuke Takemoto, Akio Saito**
Iodoarene-Catalyzed Cycloisomerization/Fluorination Reaction of Propargyl Amides
- PA(C)-47 **Satyasheel Sharma, In Su Kim**
An Efficient Synthesis of Cinnolin-3(2*H*)-ones via Rh Catalyzed C-H Bond Activation of Azobenzenes
- PA(C)-48 **Yuta Tsuchihashi, Suguru Haraki, Aiichiro Nagaki, Jun-ichi Yoshida**
Flash Chemistry Enables Generation and Reactions of Benzylolithiums Bearing Aldehyde Carbonyl Groups
- PA(C)-49 **Satoshi Ishiuchi, Keita Imai, Aiichiro Nagaki, Jun-ichi Yoshida**
Flash Chemistry Enables Chemoselective Reactions of Difunctional Electrophiles with Functionalized Aryllithiums
- PA(C)-50 **Masataka Okubo, Maki Minakawa, Motoi Kawatsura**
Selective Direct N-Alkylation of Amines with Alcohols Using Iron(III) Phthalocyanine Chloride under Solvent-Free Conditions
- PA(C)-51 **Weizhen Zhao, Kotohiro Nomura**
Synthesis of Cyclic Olefin Copolymers by Half-Titanocene Catalysts
- PA(C)-52 **Toshiki Nishimura, Natsumi Wada, Tsuyoshi Satoh, Tsutomu Kimura**
Synthesis of Azabicycloalkanes via Cyclopropylmagnesium Carbenoids
- PA(C)-53 **Takumi Udagawa, Eito Nomada, Hirotaka Watanabe, Mitsuaki Yamamoto,**
Maki Minakawa, Motoi Kawatsura
Synthesis of Benzofuran Derivatives by the Palladium-Catalyzed Reaction of 2-Haloallyl Esters and Phenols
- PA(C)-54 **Yuta Nakano, Tomonari Takata, Tatsuya Aoyagi, Shigeyuki Yagi,**
Takeshi Maeda, Hiroyuki Nakazumi, Masayuki Ezoe, Hiroyuki Sasaki,
Yojiro Kumagae
Synthesis of Novel Soluble α -Aryl-Substituted Metallonaphthalocyanines
- PA(C)-55 **Hikaru Ogawa, Hideo Iio, Yoshinosuke Usuki**
Total Synthesis of Neoantimycin-Class Antibiotics

- PA(C)-56** Seiya Nakamichi, Jungo Kimura, Hiroki Yano, Hideya Kawasaki, Yasushi Obora
DMF-Protected Iron Nanosized Catalyst for Hydrosilylation of Alkenes
- PA(C)-57** Lawrence M. Wolf, Puneet Gupta, Alois Fürstner, Walter Thiel
A DFT Study on the Ru Catalyzed *trans*-Hydrogenation of Alkynes: Unique Access to a Ru-Carbene
- PA(C)-58** Yuichiro Ashida, Yuka Sato, Atsushi Honda, Hidefumi Nakatsuji, Yoo Tanabe
Parallel (*E*)- and (*Z*)-Stereocomplementary Synthesis of Di- or Tri-Substituted α,β -Unsaturated Esters: Application to Expedient Parallel Syntheses of All Four (*E*)- and (*Z*)-Zimeridines and Tamoxifens
- PA(C)-59** L. Brewitz, F. A. Arteaga, L. Yin, K. Alagiri, N. Kumagai, M. Shibasaki
Catalytic Generation of α -CF₃ Enolates for Asymmetric Mannich-Type Reactions
- PA(C)-60** Shun Kando, Akio Hayakawa, Hayato Tsurugi, Kazushi Mashima
Mixed-Ligand Complexes of Paddlewheel Dinuclear Molybdenum as Hydrodehalogenation Catalysts for Polyhaloalkanes
- PA(C)-61** Yasutaka Shimotori, Ayana Aiki, Asami Morisawa, Masayuki Hoshi, Mari Murata, Tetsuo Miyakoshi, Taisei Kanemoto, Hideki Nakashima
Synthesis and Evaluation of Antibacterial Activity for Optically Active Thioamides
- PA(C)-62** Kazuya Fujita, Shunpei Nobusue, Yoshito Tobe
Benzo[*p*]fluoreno[1,2-*g*]indeno[1,2-*c*]chrysene-15,16-diylidene: A Twisted Polycyclic Aromatic Hydrocarbon with a Seven-Membered Ring in the Center
- PA(C)-63** Tomoaki Endo, Yasuaki Yamaoka, Eunsang Kwon
Synthesis and Evaluation of New Type of Water Soluble Inclusion Complex of γ -Cyclodextrin with 1,3-Dione Adduct [60] Fullerene
- PA(C)-64** Nathan Ray Alim, Shunsuke Kotani, Shiki Miyazaki, Yasushi Shimoda, Masaharu Sugiura, Makoto Nakajima
Asymmetric Aldol/Vinylogous Aldol Reaction Catalyzed by Chiral Phosphine Oxide: Stereoselective Synthesis of Functionalized 4-Pyranones
- PA(C)-65** Shota Mishima, Akihiro Shimizu, Jun-ichi Yoshida
Observation of Electrogenenerated Oxonium Ions by FT-IR in Flow
- PA(C)-66** Shun Sato, Maki Minakawa, Motoi Kawatsura
Palladium-Catalyzed Direct Arylation of Furan Derivatives with Aryl Bromides via C-H Activation
- PA(C)-67** Mari Murata, Yasutaka Shimotori, Tetsuo Miyakoshi
Synthesis of Diaryl Sulfides by One-Pot *S*-Arylation under Mild Conditions
- PA(C)-68** Naoki Ohta, Kazuhiko Semba, Yoshiaki Nakao
Allylarylation of Alkenes by Cooperative Pd/Cu Catalysis
- PA(C)-69** Masahiro Torii, Daisuke Uraguchi, Takashi Ooi
Betaine-Type Electron-Transfer Catalyst: Design and Application
- PA(C)-70** Yosuke Uchida, Takashi Hirose, Kenji Matsuda
Synthesis and Photophysical Properties of a 11,11'-Bibenzo[*b*]perylene Derivative Consisting of π -Extended Binaphthyl

- PA(C)-71** **Naoto Esumi, Itaru Suzuki, Makoto Yasuda**
Photoredox Allylation of α -Bromo Carbonyls with Organoboron Compounds
Accelerated by Fluoride Salts
- PA(C)-72** **Masafumi Ueda, Takashi Shirahata, Yohji Misaki**
Molecular and Electronic Structures of Oxidized 1,3-Dithiole[5]radialene
Derivatives
- PA(C)-73** **Luis Fernando Roa de la Fuente, Quirino Torres Sauret,
Carlos Ernesto Lobato García, Nancy Romero Ceronio,
Abraham Gomez Rivera, Dino Gnecco Medina, Joel Luis Terán Vazquez,
Jorge Juarez Posadas**
Preparation of Zincke's Salts Promoted by Ultrasound: a Fast and Efficient
Methodology

Room D

- PA(D)-01** **Keisuke Fukaya, Tomoya Sugai, Hirohisa Yamazaki, Keisuke Kodama, Takaaki Sato, Noritaka Chida**
Synthesis of Taxol
- PA(D)-02** **Yoshikazu Horino, Miki Sugata, Hitoshi Abe**
Palladium-Catalyzed Three-Component Reaction of 3-(Tributylstannyl)allyl Acetates, Aldehydes, and Organoborane
- PA(D)-03** **Wei Wen Tan, Naohiko Yoshikai**
Copper-Catalyzed Condensation of Imines and α -Diazo- β -dicarbonyl Compounds: Modular and Regiocontrolled Synthesis of Multisubstituted Pyrroles
- PA(D)-04** **Ryosuke Morioka, Kazunori Nobushige, Tetsuya Satoh, Koji Hirano, Masahiro Miura**
Rhodium(III)-Catalyzed Dehydrogenative Coupling of Indoles with Alkynes through Rollover Cyclometalation
- PA(D)-05** **Yuta Uetake, Takashi Niwa, Takamitsu Hosoya**
Rh-Catalyzed *Ips*o-Borylation of Methylthioarenes via C–SMe Bond Cleavage
- PA(D)-06** **Iman Abdullah, Nozomi Saito, Kayoko Hayashi, Katsuyuki Hamada, Momoko Koyama, Yoshihiro Sato**
Nickel-Mediated and Catalyzed Carboxylation of Ynamide and Its Application to the Enantioselective Synthesis of β -Amino Acid Derivatives
- PA(D)-07** **Tomoya Mizumori, Kento Miyanaka, Takahiro Mitsui, Masayuki Shigeta, Takeshi Hata, Hirokazu Urabe**
Selective Addition of Benzylzinc Reagents to Pyridines at Their 4-Positions
- PA(D)-08** **Tatsuro Kodama, Yasunori Minami, Tamejiro Hiyama**
Hydrogen Acceptor-Free Dehydrogenative Reaction of Alkynyl Aryl Ethers with Alkenes
- PA(D)-09** **Moe Tokita, Naoto Taki, Haruka Nakai, Akihiro Hoshino, Miyako Morino, Keisuke Nishikawa, Yoshimitsu Tachi, Yoshiki Morimoto**
Asymmetric Total Synthesis of 22-Hydroxy-15(28)-dehydrovenustatriol
- PA(D)-10** **Mayumi Kudo, Aya Tanatani, Hideyuki Tomosaka, Michiya Ota, Kazuo Nagasawa**
Development of the Bisthiourea Organocatalyst with the Aromatic Layered Twisted Structure Based on the Remote Asymmetric Control
- PA(D)-11** **Chao Wang, Mana Oki, Toru Nishikawa, Hiroyuki Koshino, Kazuo Nagasawa**
Total Synthesis of 11-Saxitoxinethanic Acid
- PA(D)-12** **C. Denneval, T. Yamada, K. Nakamura, Y. Kai, K. Nozawa-Kumada, Y. Kondo**
Metal-Free Biaryl Coupling Reactions Using TMAF
- PA(D)-13** **Yushi Nakamura, Yohei Oe, Tetsuo Ohta**
Ru-Catalyzed Regioselective Hydroamination of Allylic Alcohols
- PA(D)-14** **Makoto Nagaosa, Takao Osako, Yasuhiro Uozumi**
Cu-Catalyzed Asymmetric Carbenoid Insertion into Alkyne C–H Bonds

- PA(D)-15 **Yuto Sumida, Tomoe Sumida, Takamitsu Hosoya**
Generation of Arynes and Formation of Aryne–Nickel Complexes from *o*-Borylaryl Triflates
- PA(D)-16 **Nobuhiko Hojo, Toshiki Nokami, Akihiro Shimizu, Yuu Inatomi, Hirotetsu Suzuki, Takafumi Tsukagoshi, Hiroshi Yoshizawa, Takahiro Matsuo, Hiroki Kuramoto, Jun-ichi Yoshida**
Electrochemical Performance of *o*-Quinone Polymers as Cathode Materials of Lithium-Ion Batteries
- PA(D)-17 **Sota Nishimura, Akifumi Ozeki, Rui Umeda, Yutaka Nishiyama**
Synthesis and Properties of 2,3-Dinaphthoquinone Derivatives Having Bulky Substituents at 1,4 Positions
- PA(D)-18 **Takaaki Yamamoto, Yuuki Takahashi, Rui Umeda, Yutaka Nishiyama**
Rhenium-Catalyzed Reaction of Alcohol and Vinyl Acetate
- PA(D)-19 **Yuto Kurata, Shinya Otsuka, Norihito Fukui, Hideki Yorimitsu, Atuhiko Osuka**
Nickel-Catalyzed Ring-Opening Arylation of Dibenzofurans Followed by Intramolecular C–H Arylation: Aromatic Metamorphosis from Dibenzofurans to Triphenylenes
- PA(D)-20 **Shun Horiuchi, Ryutaro Hayashi, Akihiro Shimizu, Jun-ichi Yoshida**
The Cation Pool Method Enables Generation and Accumulation of Thiirenium Ions
- PA(D)-21 **Shinya Higashimae, Akiya Ogawa**
Highly Selective Thiolative Lactonization of Acetylenic Alcohols with Carbon Monoxide and Organic Disulfides in the Presence of Transition Metal Catalysts
- PA(D)-22 **Nantachai Inprung, Pijitra Bunrod, Punlop Kuntiyong**
Synthetic Studies of Grandisine A Using Cross Metathesis / Tandem *N*-Acyliminium Ion Cyclization
- PA(D)-23 **Keita Nonaka, Yuji Koga, Kouki Matsubara**
Catalytic Hydroarylation Reaction of Alkenes Using Aryl Boronic Acid Ester
- PA(D)-24 **Tatsuya Morofuji, Akihiro Shimizu, Jun-ichi Yoshida**
Heterocyclization Approach for Electrochemical Coupling of Functional Alkylamines and Aromatic Compounds
- PA(D)-25 **Narihito Ogawa, Yusuke Kosaki, Wataru Kinouchi, Yuichi Kobayashi**
Stereoselective Synthesis of Coronafacic Acid
- PA(D)-26 **Taro Sonehara, Tomoki Ishikawa, Maki Minakawa, Motoi Kawatsura**
Copper-Catalyzed Intermolecular Hydroamination of Trifluoromethyl Group Substituted Internal Alkynes with Anilines
- PA(D)-27 **Akihiro Orita, Takanori Nishida, Feng Xu, Kenta Shinohara, Issei Kasuga, Junzo Otera**
Photoluminescence of 1,3,6,8-Tetra(trimethylsilylethynyl)pyrene in Solid States
- PA(D)-28 **Tomohiro Umeno, Atsushi Ueda, Kengo Akagawa, Kazuaki Kudo, Masakazu Tanaka**
Asymmetric Michael Addition Reactions Catalyzed by α,α -Disubstituted α -Amino Acids-Containing Peptides as an Organocatalyst

- PA(D)-29** **Hajime Abe, Daisuke Hashikawa, Kohei Ohtani, Kentaro Masuda, Masahiko Inouye**
*D*_{3h}-Symmetric Cage Complexes with Inward-Directing Six Phenol Rings
- PA(D)-30** **Keisuke Sahara, Tomohiko Nishiuchi, Yasukazu Hirao, Takashi Kubo**
The Synthesis of Sigmalene Having *o*-Quinodimethane Structure
- PA(D)-31** **Masaki Sato, Kazuya Ogawa**
Synthesis of a Perinaphthothioindigo and Two Zinc Porphyrins Conjugate Bridged by Ethynylene
- PA(D)-32** **K. S. Sandhya, C. Barberot, M. Takayanagi, Y. Suzuki, N. Koga, M. Nagaoka**
Molecular Dynamic Simulations on the [(CH₃)₂Si(Ind)₂ZrMe(C₃H₆)]⁺
[CH₃B(C₆F₅)₃]⁻ Ion Pair Catalyst for Insertion Step in the Polymerization Reaction
- PA(D)-33** **Kosuke Kai, Shunsuke Kotani, Yasushi Shimoda, Masaharu Sugiura, Makoto Nakajima**
Enantioselective Total Synthesis of (-)-Ericanone Using Phosphine Oxide-Catalyzed Asymmetric Double Aldol Reaction
- PA(D)-34** **Kohei Yamashita, Shinya Handa, Hiroshi Sugimoto**
Catalytic Asymmetric Pictet–Spengler Reaction Using Chiral Supramolecular Complex
- PA(D)-35** **Lishung Cheng, Yiru Chen, Meichun Yang, Wenwei Lin**
The Synthesis of 3,4-Disubstituted Chromanone
- PA(D)-36** **Shogo Okumura, Shuwei Tang, Teruhiko Saito, Kazuhiko Semba, Shigeyoshi Sakaki, Yoshiaki Nakao**
para-Selective Alkylation of Benzamides by Cooperative Nickel/Aluminum Catalysis
- PA(D)-37** **Toshimichi Ohmura, Yohei Morimasa, Michinori Suginome**
4,4'-Bipyridine-Catalyzed Diboration: A Conceptually New σ -Bond Activation by Organocatalyst
- PA(D)-38** **Shuhei Kusumoto, Kyoko Nozaki**
Direct and Selective Hydrogenolysis of C–O Single Bonds by Metal–Ligand Cooperation