

Contributed papers

November 13 (Tue)

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

PA(C)-01 — PA(C)-85 (Room C)

PA(D)-01 — PA(D)-46 (Room D)

Room C

- PA(C)-01** **José M. Sansano, Alberto Cayuelas, Verónica Selva, Carmen Nájera, Miguel Yus**
Cooperative Catalysis with Coupled Chiral Induction in 1,3-Dipolar Cycloadditions of Azomethine Ylides
- PA(C)-02** **Nobukazu Taniguchi, Kenji Kitayama**
Zinc-Catalyzed Double Hydrosulfenylation of Alkynes Using Thiols
- PA(C)-03** **Oleg Afanasyev, Denis Chusov, Alexey Tsygankov, Ekaterina Kuchuk**
Direct reductive addition without external hydrogen source
- PA(C)-04** **Hiroki Tanimoto, Taiki Yokoi, Tomomi Ueda, Kiyomi Kakiuchi**
Site-selective Conversion of Azido Groups at Carbonyl α -Positions to Other Clickable Functional Groups in Di- and Triazido Compounds
- PA(C)-05** **Imran Kazi, Govindasamy Sekar**
The halogen bond catalysis: An efficient tool for activation of functional group
- PA(C)-06** **Monissa C. Paderes, Woon Yew Siau, Ziqiang Rong, Yu Zhao**
Asymmetric direct α -alkylation of 3-aryl and 3-alkyl oxindole using quinine-derived urea catalyst
- PA(C)-07** **Shintaro Kawamura, Kento Dosei, Elena Valverde, Kiminori Ushida, Mikiko Sodeoka**
Development of Perfluoroalkylation of Alkenes by Using Fluoro Acid Anhydrides
- PA(C)-08** **Mahito Atobe, Juri Minoshima, Atsushi Fukazawa, Yasushi Hashimoto, Yoshihiro Kobori, Yasushi Sato**
Electrocatalytic Semihydrogenation of Alkynes to Z-Alkenes Using a PEM Reactor
- PA(C)-09** **Mallu Kesava Reddy, Mahiuddin Baidya**
Divergent Synthesis of α -Ketoamides *via* Nitroso Aldol and Nitroso-Henry Reactions
- PA(C)-10** **Yuta Matsukawa, Tsunehisa Hirashita**
Mild and Selective Cu-Mesoionic Hydroxyamide Co-catalytic Aerobic Oxidation System
- PA(C)-11** **Gowri Sankar Grandhi, Mahiuddin Baidya**
Transition Metal Catalyzed (2-Aminophenyl)pyrazole (2-APP) Assisted C–H Bond Functionalization: Applications in the Syntheses of Natural Products

- PA(C)-12** **Carolina S. Marques, Hugo R. Viana, Camille A. Correia, Kerry Gilmore, Peter H. Seeberger, A. J. Burke**
Novel Precious Metal Catalyzed Processes for Bicyclic Ring Synthesis: Accessing 3- Aminooxindoles and 3,3-Dimethylchroman-4-ols
- PA(C)-13** **Nobuyuki Mase, Keiya Matsuo, Kohei Sato, Tetsuo Narumi**
Continuous synthesis in specific reaction field:
Integration of microwave · fine bubble · flow method
- PA(C)-14** **G. Pupo, F. Ibba, D. M. H. Ascough, A. C. Vicini, P. Ricci, K. E. Christensen, L. Pfeifer, J. R. Morphy, J. M. Brown., R. S. Paton, V. Gouverneur**
Asymmetric Nucleophilic Fluorination under Hydrogen Bonding Phase-Transfer Catalysis
- PA(C)-15** **Jeong-Yu Son, Gi Hoon Ko, Phil Ho Lee**
Synthesis of Dihydrophosphaisocoumarins through Pd-Catalyzed Oxidative Cyclization of Arylphosphonic Acids with 1,3-Dienes
- PA(C)-16** **Yonghyeon Baek, Sang Hoon Han, Phil Ho Lee**
Regioselective Synthesis of Indolopyrazines via Sequential Rh-Catalyzed Formal [3 + 3] Cycloaddition and Aromatization Reaction of Diazoindolinimines with Azirines
- PA(C)-17** **Heeyoel Baek, Yasuhiro Uozumi, Yoichi M. A. Yamada**
Production of Bio Hydrofined Diesel (BHD) and Carbon Monoxide from Carboxylic Acids by a Silicon Nanowire Array-Supported Rhodium Nanoparticle Catalyst
- PA(C)-18** **Kyungsoo Oh, Hunyoung Kim**
Pot-Economy Synthetic Strategy using β -Chlorovinyl Ketones
- PA(C)-19** **Kyusik Um, Gi Uk Han, Phil Ho Lee**
Synthesis of Imidazopyridines through Cu-Catalyzed, Formal Aza-[3+2] Cycloaddition Reaction of Pyridine Derivatives with α -Diazo Oxime Ethers
- PA(C)-20** **Sang Hoon Han, Yonghyeon Beak, Phil Ho Lee**
Rhodium-Catalyzed Transannulation of 1,2,3-Thiadiazoles *via* Alkenes for the Synthesis of Dihydrothiophenes and Thiophenes
- PA(C)-21** **Gi Hoon Ko, Chanyoung Maeng, Phil Ho Lee**
Synthesis of Indolo-1,2-Benzothiazines using Sulfoximines and 3-Diazoindolin-2-imines
- PA(C)-22** **Gi Uk Han, Kyusik Um, Phil Ho Lee**
Synthesis of Bicyclic Isothiazoles via an Intramolecular Rh-Catalyzed Transannulation of Cyanothiadiazoles
- PA(C)-23** **Pascale Crochet, Beatriz Lastra-Barreira, Javier Francos, Victorio Cadierno**
Ruthenium-Catalyzed Tandem Isomerization/Claisen Rearrangement (ICR) Reactions of Diallyl Ethers in Water
- PA(C)-24** **Kento Ishida, Hokuto Yamazaki, Chihiro Hagiwara, Hiroyuki Kusama**
Generation of Siloxycarbenes from Alkanoylsilanes by Visible-Light-Induced Energy Transfer and Its Applications to Organic Synthesis

- PA(C)-25** **Saki Maejima, Mai Osuka, Eiji Yamaguchi, Akichika Itoh**
Development of intramolecular carboesterification via bifunctionalization of olefin mediated by iodine
- PA(C)-26** **Yohei Minami, Akihito Konishi, Makoto Yasuda**
Diastereoselective Synthesis of Triols Bearing Four Stereocenters: Reactivity of Chelated Germyl Enolates from α,β -Unsaturated Ketones and Ge(II) Salts
- PA(C)-27** **Aya Ohno, Takuma Sato, Hiroshi Yoshida, Toshiaki Mase, Shaheen M. Sarkar, Yasuhiro Uozumi, Yoichi M. A. Yamada**
Huisgen Cycloaddition Using Convuluted Polymeric Copper Catalysts under Batch and Microflow Conditions
- PA(C)-28** **Jinho Kim**
Oxidation Potential Tunable Organic Molecules and Their Catalytic Application to Aerobic Dehydrogenation of Tetrahydroquinolines
- PA(C)-29** **Fumiya Takahashi, Keisuke Nogi, Hideki Yorimitsu**
Nickel-Catalyzed Desulfonylative Transformation of Diaryl Sulfones into Biaryls
- PA(C)-30** **Koichi Okamoto, Mitsuki Hori, Keisuke Nogi, Hideki Yorimitsu**
Pummerer-based Defluorinative Formation of Benzofurans from Ketene Dithioacetal Monoxides and Polyfluorophenols
- PA(C)-31** **Daisuke Uno, Hiroko Minami, Shinya Otsuka, Keisuke Nogi, Hideki Yorimitsu**
Palladium-Catalyzed Mizoroki-Heck-Type Alkenylation of Monoaryldialkylsulfoniums
- PA(C)-32** **Hiroki Yamagishi, Shun Tsuchiya, Hayate Saito, Keisuke Nogi, Jun Shimokawa, Hideki Yorimitsu**
Four-component Coupling Strategy for 2,3,4-Trisubstituted 3,4-Dihydroquinoline
- PA(C)-33** **Toshihiko Iwayama, Aurapat Ngamnithiporn, Brian M. Stoltz**
Enantioselective Synthesis of Silicon-Tethered Heterocycles by Pd-Catalyzed Decarboxylative Allylic Alkylation
- PA(C)-34** **Junichiro Kanazawa, Katsuya Maeda, Masanobu Uchiyama**
Radical Multicomponent Carboamination of [1.1.1]Propellane
- PA(C)-35** **Hiroaki Tsuji, Kouichi Watanabe, Yusuke Miyazaki, Masataka Okubo, Biao Zhou, Motoi Kawatsura**
Nickel-Catalyzed Asymmetric Propargylic Amination of Propargylic Carbonates Bearing an Internal Alkyne Group
- PA(C)-36** **Eiji Yamaguchi, Akichika Itoh**
Development of Ni-bpy complex catalyzed Grignard-Barvier type reaction
- PA(C)-37** **Kyohei Kamiguchi, Satoshi Sakaguchi**
Reaction of Azolium Salt with Ag₂O Controlled by Substituent on Nitrogen Atom of Azolium
- PA(C)-38** **Satoki Shimizu, Yuki Nakano, Satoshi Sakaguchi**
Cu-catalyzed Conjugate Addition Reaction Using Hydroxy-amide-substituted NHC Ligand Precursor: Factors Affecting the Stereoselective Formation of Both Enantiomers

- PA(C)-39** **Takuya Kawashima, Masato Ohashi, Sensuke Ogoshi**
Ni(0)-Catalyzed Unprecedented Highly Selective Cross-Tetramerization of Tetrafluoroethylene, Ethylene, Alkynes, and Aldehydes
- PA(C)-40** **Mikhail V. Varaksin, T.D. Moseev, A.A. Akulov, O.N. Chupakhin, V.N. Charushina**
Nucleophilic C(sp²)-H Bond Functionalization in Heteroaromatics as a Pot, Atom, and Step Economical (PASE) approach to the Novel Heterocyclic Derivatives
- PA(C)-41** **Ryo Yazaki, Tsukushi Tanaka, Kayoko Hashiguchi, Takafumi Tanaka, Takashi Ohshima**
Chemoselective Catalytic Dehydrogenative Cross Coupling of 2-Acylimidazoles
- PA(C)-42** **Takahiro Kawajiri, Reiya Ohta, Hiromichi Fujioka, Hironao Sajiki, Yoshinari Sawama**
Aromatic Aldehyde/Acetal-Selective Aldol Reaction via Pyridinium Salt Intermediates
- PA(C)-43** **S.-Z. Sun, M. Börjesson, R. Martin-Montero, R. Martin**
Ni-catalyzed Hydroalkylation of Unactivated Alkenes with α -Chloroalkyl Boronic Esters
- PA(C)-44** **Pavel N. Solye, Sergey N. Kochetkov**
New efficient reaction of hydrazination of 8-hydroxyquinoline and phenol through base-promoted catalysis
- PA(C)-45** **Makoto Sako, Takanori Aoki, Shinobu Takizawa, Hiroaki Sasai**
Chiral Dinuclear Vanadium Complex-mediated Oxidative Coupling of Phenols
- PA(C)-46** **Kensuke Suzuki, Yoshihiro Nishimoto, Makoto Yasuda**
Radical-Based Stereoselective Synthesis of (*E*)-Enamides by Use of α -Aminoallylic Stannanes
- PA(C)-47** **Vinsen, Hidehiro Sakurai**
Selective Hydroxylation of Arylboronic Acids by Nanogold Catalyst
- PA(C)-48** **Takuya Suga, Yutaka Ukaji**
Nickel-Catalyzed Reductive Cross Coupling between Benzyl Alcohols and Aryl Halides Assisted by Titanium Co-Reductant
- PA(C)-49** **Shoma Shimazu, Takuya Suga, Yutaka Ukaji**
Low-Valent Titanium-Mediated Radical Conjugate Addition Using Benzyl Alcohols as Benzyl Radical Sources
- PA(C)-50** **Kwangho Yoo, Hyojin Park, Byunghyuck Jung, Min Kim**
Amino Acid-Based Transient Directing Group for Pd-Catalyzed C-H Arylations and Their Synthetic Application to Direct Anthracene Preparation
- PA(C)-51** **Kyoungmin Kang, Yoshihiro Nishimoto, Makoto Yasuda**
Carboindation of Alkynyl Ethers Using InI₃ and Organosilicon Nucleophile
- PA(C)-52** **Kana Sakamoto, Takahiro Nishimura**
Ir-Catalyzed Enantioselective Hydroarylation of 2*H*-Chromene with Aromatic Ketones
- PA(C)-53** **Yutaka Tanji, Tetsuaki Fujihara, Yasushi Tsuji**
Bulky Carboxylate-Assisted Room Temperature Pd-Catalyzed Intramolecular C–H Bond Arylation Reactions

- PA(C)-54** Anna Lucia Berger, **Karsten Donabauer, Burkhard Koenig**
Photocatalytic Barbier Reaction – Visible-Light induced Allylation and Benzylation of Aldehydes and Ketones
- PA(C)-55** Shinya Otsuka, **Keisuke Nogi, Hideki Yorimitsu**
Synthesis of Thioesters through Palladium-Catalyzed Insertion of Isocyanides into Heteroaryl Sulfides
- PA(C)-56** Yoko Aizawa, **Heejin Kim, Aiichiro Nagaki, Jun-ichi Yoshida**
Synthesis of Functional Arylboronic Acids Using Flow Microreactors
- PA(C)-57** Jeng-Liang Han, **Chih-Hao Chen**
A Chemoselective and Enantioselective Three Component Vinylogous Michael/Aldol Domino Reaction: Synthetic Access to 3,3-disubstituted Oxindoles
- PA(C)-58** Tienan Jin, **Yoshinori Yamamoto, Masahiro Terada**
Nanoporous Gold-Catalyzed Diboration of Methylene-cyclopropanes via a Distal Bond Cleavage
- PA(C)-59** Shuichi Nakao, **Yoshihiro Nishimoto, Makoto Yasuda**
Synthesis of *C,N*-Chelated Organoaluminum Complexes and Application to Lewis Acid Catalyst
- PA(C)-60** Akane Enomoto, **Shunpei Kajita, Takuya Shimbayashi, Ken-ichi Fujita**
Convenient Method for the Generation of Deuterium Gas Catalyzed by an Iridium Complex
- PA(C)-61** Satoru Kuwano, **Yusei Hosaka, Takayoshi Arai**
Chiral Benzazaborol-1-ol-Catalyzed Asymmetric Sulfonylation of *cis*-1,2-Diols
- PA(C)-62** **Bijan Mohon Chaki**, Linpeng Zhu, **Kazuhiro Takenaka, Jianfei Bai, Shinobu Takizawa, Hiroaki Sasai**
Enantioselective Synthesis of Bicyclic Pyrrolidine Derivatives *via* One-Pot Sequential Organo and Palladium Catalysis
- PA(C)-63** Kodai Horigane, **Yuto Kamei, Masahiro Yamanaka, Takayoshi Arai**
Function of Chiral Bis(aminoimino)binaphthol-zinc Complex in Catalytic Asymmetric Iodolactonization and Its Application to Desymmetrization
- PA(C)-64** Yoshito Takahashi, **Risa Yoshii, Minami Nakajima, Makoto Yoritate, Takaaki Sato, Noritaka Chida**
Iridium-Catalyzed Reductive Nucleophilic Addition to Amides
- PA(C)-65** Ryo Sato, **Takuya Tosaka, Takayoshi Arai**
Highly-stereoselective Synthesis of Novel Bis(indolyl)methane Compounds Using Chiral Bis(imidazolidine)-Nickel Catalyst
- PA(C)-66** Takahiro Nishimura, **Hiroshi Hattori, Ikumi Nakamura, Daisuke Yamauchi**
Iridium-Catalyzed Direct sp^3 C–H Alkylation of Aminoalkyl Groups with Alkenes
- PA(C)-67** Masataka Miura, **Daiki Hayama, Shuichi Nakamura**
Asymmetric Addition of Thiols to 2*H*-Azirines Using Cinchona Alkaloid Sulfonamide Catalyst
- PA(C)-68** **Chih-Yuan Hsu**, Shu-Jen Chiang, **Wen-Chiung Su, Ying-Ling Liu**
Multi-functional branched polysiloxanes polymers for high refractive index and flame retardant LED encapsulants

- PA(C)-69 **Shigeharu Wakabayashi, Natsu Sugiyama, Yasuhiro Ohki, Toshikazu Kitagawa**
On the Crystallization of *p*-Phenylene-Inserted Borylpyridine
- PA(C)-70 **Haruki Enomoto, Rui Umeda, Yutaka Nishiyama**
Synthesis and Photophysical Properties of Dicyanobisbenzodioxin Derivatives
- PA(C)-71 **Yuhei Miki, Rui Umeda, Yutaka Nishiyama**
Synthesis of Tetraarylethylene Derivatives by Benzannulation Reaction and Their Photophysical Properties
- PA(C)-72 **Shusaku Ukai, Tsuyoshi Murata, Yasushi Morita**
Synthesis and Physical Properties of a π -Conjugated Cyclic Trioxotriangulene Hexamer
- PA(C)-73 **E. Mena-Osteritz, P. Bäuerle**
Thiophene-based S,N-Heteroacenes: Electronic Properties and X-Ray Structure Analysis
- PA(C)-74 **Yuki Ohishi, Masahiko Inouye**
Saccharide Recognition of Pyridine–Acetylene–Aniline Oligomers
- PA(C)-75 **Ryosuke Miyajima, Tomohiro Hayashi, Takahiro Yamaguchi, Masahito Segi, Mitsunori Honda**
Synthesis and Utility of 3-Silylthiophenes Having Perfluoroalkyl Groups
- PA(C)-76 **Penghao Li, Peng Li, Zhichang Liu, Omar Farha, J. Fraser Stoddart**
Highly Porous Molecular Crystals with a Hydrogen-Bonded Catenated Interwoven Motif
- PA(C)-77 **Chun-ping Dong, Shintaro Kodama, Akihiro Nomoto, Michio Ueshima, Akiya Ogawa**
Metal-free Oxidative Coupling of Benzylamines Using Salicylic Acid Derivatives as Organocatalysts and Its Application to Blue Dye Synthesis
- PA(C)-78 **Sitanan Sartyoungkul, Yumi Yakiyama, Hidehiro Sakurai**
Synthesis and Properties of Cup- and Bowl-shaped Cyclic Trilactams
- PA(C)-79 **Masahiro Oe, Koji Miki, Huiying Mu, Hiroshi Harada, Akiyo Morinibu, Kouichi Ohe**
Development of pH-Responsive Cy5 Dyes for Molecular Imaging
- PA(C)-80 **Tun-Cheng Chien**
Synthetic Application of Carboxamidoximes
- PA(C)-81 **F. D. Queda, L. Carvalho, C. Almeida, G. Covas, S. R. Filipe, M. Manuel B. Marques**
NAG-NAM surrogates: the challenge of carbohydrate synthesis
- PA(C)-82 **Kallol Mukherjee, Majji Shankar, Koushik Ghosh, Akhila K. Sahoo**
An Orchestrated Unsymmetrical Annulation Episode of C(sp²)–H Bonds with Alkynes and Quinones: Access to Spiro-isoquinolones
- PA(C)-83 **Richa Mishra, Lokman H. Choudhury**
Synthesis of chromone and flavone fused pyrroles by regioselective metal-free multicomponent reactions (MCRs)
- PA(C)-84 **Chihiro Masuda, Takashi Mino, Kohei Watanabe, Yasushi Yoshida, Masami Sakamoto**
Synthesis of 7-Substituted Benzofuran Derivatives Using Aluminum Reagent

PA(C)-85 **M. Consuelo Jiménez, Raúl Pérez-Ruiz, Daniel Limones-Herrero,
Inmaculada Andreu, Emilio Lence, Concepción González-Bello,
Miguel A. Miranda**

Protein photohaptentation by β -Lactams. Ezetimibe photobinding to Human Serum Albumin

Room D

- PA(D)-01 **Ilaria Caivano, Reinhard P. Kaiser, Martin Kotora**
Synthesis of 2,4-Disubstituted 9,9'-Spirobifluorenes
- PA(D)-02 **Huiying Mu, Kouki Tanaka, Naoto Teshima, Masahiro Oe, Kentaro Kojima, Koji Miki, Kouichi Ohe**
Unaggregated pH-Responsive NIR Cyanine Dyes: Encapsulated in Self-assemblies or Having Anionic Substituents
- PA(D)-03 **Tomoyuki Yanagi, Keisuke Nogi, Hideki Yorimitsu**
Biaryl Synthesis through Sigmatropic Rearrangement and Its Application to Synthesis of Heterohelicenes
- PA(D)-04 **Jirat Chatsirisupachai, Taweesak Sudyoadsuk, Vinich Promarak**
Phenanthrocarbazole Derivatives as Emissive Materials for Green OLEDs
- PA(D)-05 **Patchareepond Panoy, Taweesak Sudyoadsuk, Pichaya Pattanasattayavong, Vinich Promarak**
Blue light-emitting materials based on tetra-substituted pyrene derivatives for electroluminescent devices
- PA(D)-06 **V. Ya. Lee, O. A. Gapurenko, A. Sekiguchi, R. M. Minyaev, V. I. Minkin**
PYRAMIDANES
- PA(D)-07 **Tomoya Hayashi, Yuki Ohishi, Hee-Soo So, Hajime Abe, Shinya Matsumoto, Masahiko Inouye**
Development of Chain-Type and Macrocyclic-Type Oligomers Consisted of "meta"-Ethynephenol Units
- PA(D)-08 **Keisuke Ogumi, Takafumi Nakagawa, Hiroshi Okada, Yutaka Matsuo**
Synthesis of Asymmetric Tetraethynylporphyrin Derivatives and Application for Solution-processed Organic Solar Cells
- PA(D)-09 **Pattarawadee Therdkatanyuphong, Taweesak Sudyoadsuk, Vinich Promarak**
Oligocarbazole-End Capped Pyrenes as Non-Doped Solution Processed Deep Blue Emitters for OLEDs
- PA(D)-10 **Yusuke Nakakuki, Takashi Hirose, Kenji Matsuda**
Precise synthesis and optical properties of helically twisted nanographene molecules having large π -conjugated systems
- PA(D)-11 **Madina Naukanova, Saule Mergenbayeva, Akezhan Kapasov, Valentina Yu, Darya Zolotareva, Alexey Zazybin**
Synthesis and Biological Evaluation of New Ionic Compounds Based on Tolperisone, Trimecaine and Diphenhydramine
- PA(D)-12 **Jacob R. Hauser, Alexander N. Kulak, Edmund T. Bergström, Jane Thomas-Oates, Stuart L. Warriner, Robin S. Bon**
LALDI Tags: Ionization Enhancers for MS-Based Glycomics
- PA(D)-13 **Punlop Kuntiyong, Pijitra Bunrod, Kunita Phakdeeyothin**
Enantiodivergent Synthesis of Spiro[indolizidine-3,3'-oxindole] and Benzoquinolizidinone from L-glutamic Acid

- PA(D)-14** Dana Hockova, Alena Zikova, Dianne T. Keough, Luke W. Guddat
Modular Synthesis of N-Branched Acyclic Nucleoside Phosphonates (aza-ANPs)
Designed as Inhibitors of 6-Oxopurine Phosphoribosyltransferases
- PA(D)-15** Takatsugu Murata, Teppei Kuboki, Ryo Ishikawa, Takahiro Saito, Isamu Shiina
Total Synthesis of Violaceoid A and (–)- and (+)- Violaceoid B
- PA(D)-16** Krittapas Jantarug, Sakol Warintaraporn, Chutima Jiarpinitnun
Isolation of Gram-positive Bacteria from Contaminated Samples *via* a Synthetic Peptide
- PA(D)-17** Toshikatsu Maki, Takayuki Tsuritani, Masahiro Hosoya, Naoya Iijima, Tatsuro Yasukata
Process Development for the Synthesis of a Potential 1,3-Oxazine Based β -Secretase Inhibitor
- PA(D)-18** Marcela Dvorakova, Lenka Langhansova, Mirek Hajek, Premysl Landa
Synthesis of potential ULK1 inhibitors
- PA(D)-19** Kirana Devarahosahalli Veeranna, Kanak Kanti Das, Sundarababu Baskaran
One-Pot Synthesis of Cyclopropane-Fused Cyclic Amidines: An Oxidative Carbanion Cyclization
- PA(D)-20** Takahiro Suto, Yuta Yanagita, Yoshiyuki Nagashima, Shinsaku Takikawa Takaaki Sato, Noritaka Chida
Unified Total Synthesis of Madangamine Alkaloids
- PA(D)-21** Yuji Otsuka, Toshihiro Yamamoto, Koichi Fukase
Investigation of stereoselectivity and reactivity of glycosylation using *O*-arylated donors
- PA(D)-22** Taechin Nowwarat, Napon Nilchan, Chutima Jiarpinitnun
Hybrid Molecule of Sulfonamides and Trimethoprim for Methicillin-Resistant *Staphylococcus aureus* (MRSA) Therapeutics
- PA(D)-23** Masahiro Masuda, Tetsuji Murase, Natsuki Sakurai, Naoki Mori, Hidenori Watanabe, Hirosato Takikawa
Synthetic Studies on Neuremenolide A
- PA(D)-24** Seitaro Koshino, Eunsang Kwon, Yujiro Hayashi
Pot Economical Total Synthesis of Estradiol Methyl Ether Using Organocatalyst
- PA(D)-25** Akinobu Kamiya, Yuichiro Kawamoto, Toyoharu Kobayashi, Hisanaka Ito
Synthetic study of tricyclic diterpenoid Callilongisin B
- PA(D)-26** Atsushi Ueda, Misuzu Ikeda, Takuya Kasae, Makoto Oba, Mitsunobu Doi, Masakazu Tanaka
Synthesis and Analysis of α -Trifluoromethylated α -Amino Acids and Their Peptides
- PA(D)-27** Keitaro Umeno, Makoto Ebine, Tohru Oishi
Synthetic Study of the C30–C63 Section of Karlotoxin 2
- PA(D)-28** Itaru Suzuki, Jun-ya Shimazu, Ikuya Shibata
Tin Ate Complex Catalyzed Synthesis of Spiro[2.3]hexane by Coupling of Methylene-cyclopropanes and Cyanoalkenes

- PA(D)-29 **Yui Makura, Atsushi Ueda, Jun'ichi Uenishi, Takashi Matsuzaki, Tetsuo Minamino, Masakazu Tanaka**
Stereoselective Glycosidation of D-Psicofuranose and D-Tagatofuranose Using Ketal Protection
- PA(D)-30 **Temma Nakamura, Kougaku Kimura, Dinda B. Pitna, Shoya Yamaguchi, Tomoya Uchiyama, Toyonobu Usuki**
Synthetic Study toward Cynaropicrin
- PA(D)-31 **Nao Tanaka, Manami Kurita, Yuko Murakami, Toyonobu Usuki**
Chichibabin/IsoChichibabin Pyridinium Syntheses of Isodesmosine, Desmosine, and their Derivatives
- PA(D)-32 **Suguru Matsumoto, Atsushi Ueda, Mitsunobu Doi, Masakazu Tanaka**
Synthesis and Conformational Analysis of Peptides Having (–)-Menthone-Derived α,α -Disubstituted α -Amino Acid
- PA(D)-33 **K. Rustler, M. J. Mickert, J. Nazet, R. Merkl, H. H. Gorris, B. Koenig**
Azobenzene based photochromic modulators for biological applications
- PA(D)-34 **Yong Kyun Kim, Jin Chan Park, Yeon Jeong Choi, Hye Jeong Hwang, Hyeon-Cheol Shin, Kwang Yong Park**
Synthesis and Identification of Mono-substituted Dieckol
- PA(D)-35 **Mei Higuchi, Atsushi Ueda, Mitsunobu Doi, Masakazu Tanaka**
Synthesis of Octapeptides Possessing *N*-Terminal Hydrocarbon-stapling and Their Uses as an Organocatalyst
- PA(D)-36 **Hironori Okamura, Naoki Mori, Hidenori Watanabe, Hirosato Takikawa**
Asymmetric Total Synthesis of Conosilane A
- PA(D)-37 **Kazuhiko Sakaguchi, Yuto Nishioka, Naoto Kinashi, Tetsuro Shinada, Takahiro Nishimura, Hideki Hashimoto, Shigeo Katsumura**
Polyfunctional Carotenoid Synthesis via Cross-Coupling Strategy
- PA(D)-38 **Muhammad Sohail, Ji-Rong Huang, Fujie Tanaka**
Enantioselective Synthesis of Complex Oxindole-Functionalized Spiro Polycycles
- PA(D)-39 **Akihiko Kasamatsu, Junya Shiraiwa, Akinobu Matsuzawa, Kazuyuki Sugita**
Enantioselective and Protecting-Group-Free Total Synthesis of Boscartin F
- PA(D)-40 **Lingaiah Maram, Fujie Tanaka**
Synthesis of Iminosugar Derivatives via Mannich Reactions of Carbohydrate Derivatives with Ketones
- PA(D)-41 **Jeong Woo Hong, Sung Min Kang**
Metal-Mediated Immobilization of PEG Catechols on Surfaces for Non-Biofouling Applications
- PA(D)-42 **Yusuke Kobayashi, Sota Masakado, Tomohiro Kimura, Yoshiji Takemoto**
Ortho-effect-enabled Characterization of *N*-Acyliminoiodinane and Its Application to Photo-induced Amination
- PA(D)-43 **Ayame Mikagi, Dai Tokairin, Takahiro Hayashi, Hiroto Yanuma, Toyonobu Usuki**
Palladium-Catalyzed Cross-Coupling Reactions of Monohalopyridine and Amino Acids

- PA(D)-44** **Sagarika Behera, Debayan Sarkar**
Gold Catalysed Synthesis Of Disubstituted furans and dihydrofurans; total
Synthesis of (±)Boivinianin B
- PA(D)-45** **Abdel Monem El Torgoman, Ibrahim El Tantawy El-Sayed**
Synthesis and Anticancer Activity of Neocryptolepine Derivatives
- PA(D)-46** **Keimei Oh, Sumiya Tomio, Tomoki Hoshi, Kenji Ueda, Kojiro Hara**
Discovery and Synthesis of Sulfonamide Derivatives with Pyrazole Moiety that
Display Ethylene Like Activity in Arabidopsis Seedlings