

Contributed papers

November 21 (Tue)

16:40-18:40 Poster Session A (Rooms C, D and E)
 PA(C)-01 — PA(C)-84 (Room C)
 PA(D)-01 — PA(D)-46 (Room D)
 PA(E)-01 — PA(E)-57 (Room E)

Room C

- PA(C)-01** **Jukiya Sakamoto, Mariko Kitajimas, Hayato Ishikawa**
Divergent Total Synthesis of Monoterpenoid Indole Alkaloids via Strictosidine Aglycones
- PA(C)-02** **Yuji Otsuka, Toshihiro Yamamoto**
Synthesis of 4-Nitroarene Protected Thioglycosides and Their Reactivity on Chemical Glycosylation
- PA(C)-03** **Yuki Kurihara, Minoru Yagi, Takashi Noguchi, Haruka Yasufuku, Ayane Okita, Keisuke Fukaya, Daisuke Urabe, Noritaka Chida, Toshitaka Okamura, Takaaki Sato**
Total Synthesis of Keramaphidin B
- PA(C)-04** **Ghayah Bahatheg, Rajesh Kuppusamy, Muhammad Yasir, David StC. Black, Mark Willcox, Naresh Kumar**
"Short Cationic Peptoid Dimers: Novel antibacterial therapy for a Post-Antibiotic Era"
- PA(C)-05** **Shota Iiyama, Keisuke Fukaya, Yu Yamaguchi, Ami Watanabe, Hiroaki Yamamoto, Shota Mochizuki, Ryosuke Saio, Takashi Noguchi, Takeshi Oishi, Takaaki Sato, Noritaka Chida**
Total Synthesis of Paclitaxel
- PA(C)-06** **Takahiro Kawajiri, Akihito Kijima, Nobuaki Fukui, Shuichi Yanagisawa, Kazushi Agura**
Process Development of Ensitrelvir, COVID-19 Antiviral
- PA(C)-07** **Toyonobu Usuki**
Synthesis and Analysis of Elastin Crosslinker Desmosine and the Cyclic Peptide
- PA(C)-08** **Zazybin Alexey, Bayazit Sarah, Basharimova Anna, Yessinaminov Temirlan, Tursynbek Saniya, Zolotareva Darya, Dauletbaev Anuar, Belyankova Yelizaveta**
Synthesis and Biological Evaluation of the New Derivatives of Kazcaine, Tolperisone and Diphenhydramine
- PA(C)-09** **Hla Myo, Desy Liana, Anuchit Phantumartwiwath**
Neuroprotective Potential of dietary plant *Centella asiatica* L. as inhibitors of 5-lipoxygenase
- PA(C)-10** **Kaho Oishi, Hiroto Yanuma, Toyonobu Usuki**
Synthesis and Analysis of Elastin Crosslinkers Neodesmosine and Merodesmosine

- PA(C)-11 **Mina Yamane, Hiroki Umeda, Moe Toyobe, Atsushi Iwai, Genki Kudo, Harunobu Mitsunuma, Masamitsu Okada, Mitsuharu Ueda, Yukio Ando, Takatsugu Hirokawa, Shigehiro Kawashima, Youhei Sohma, Kunitoshi Yamanaka, Motomu Kanai**
Development of Amyloid Breakers: Catalytic Photooxygenation of Transthyretin Amyloids in vivo
- PA(C)-12 **Haruki Taguchi, Mayuko Kawaguchi, Tohru Nagamitsu, Masaki Ohtawa**
Concise Syntheses of (–)-Habiterpenol and (+)-2,3-Epi-Habiterpenol via MHAT-Initiated Redox Radical Cyclization of Alkenylsilane
- PA(C)-13 **Kenji Kimura, Naoya Oku, Atsumi Hasada, Ryo Katsuta, Arata Yajima, Tomoo Nukada, Yasuhiro Igarashi, Ken Ishigami**
Stereoselective Synthesis of New Ether Lipid and Determination of Its Stereochemistry.
- PA(C)-14 **Hiroaki Tanaka, Seiya Miyagi, Takemasa Sakaguchi, Toyonobu Usuki**
Synthesis and Cell-Based Evaluation of Umifenovir Analogues as Anti-SARS-CoV-2 Agents
- PA(C)-15 **Ryosuke Shigeta, Ibuki Haishima, Takahiro Suzuki, Kazuki Kaneko, Hiroaki Tanaka, Ayano Tanaka-Yanuma, Toyonobu Usuki**
Synthetic Study of Jamaicamides
- PA(C)-16 **Saki Nagayasu, Hinata Togo, Shoji Kobayashi**
Biomimetic Divergent Syntheses of Sterol Metabolites in Mushrooms
- PA(C)-17 **Yasukazu Sugiyama, Daiki Kaneko, Seiya Katahara, Mina Yamane, Yukinori Komiya, Noritaka Chida, Toshitaka Okamura, Takaaki Sato**
Total Syntheses of *Eburnan* and *Aspidosperma* Type Indole Alkaloids by Lactam Strategy
- PA(C)-18 **Yoshiyuki Manabe, Hersa Milawati, Julinton Sianturi, Takuya Matsumoto, Kazuya Kabayama, Koichi Fukase**
Development of Antibody Recruiting Strategy for Novel Cancer Immunotherapy
- PA(C)-19 **Yuko Tsuyuguchi, Satoru Hirabayashi, Noriko Ota, Yue Li, Yusuke Yoshikawa, Bangzhong Lin, Megumi Fumimoto, Junichi Haruta, Keisuke Nimura, Mitsuhiro Arisawa**
Design and Synthesis of Spliceostatin A derivatives toward Castration resistant prostate cancer
- PA(C)-20 **Ryo Katsuta, Ryo Shimizu, Keita Takeda, Shinnosuke Wakamori, Arata Yajima, Shigefumi Kuwahara, Tomoo Nukada, Ken Ishigami**
Divergent Synthesis of Aspinolides B–I and Revision of Cremenolide Structure
- PA(C)-21 **Risa Maeda, Keiya Uezono, Hiroaki Matoba, Makoto Yoritake, Go Hirai**
Inhibition Machinery of Sialoglycans with 3-Exomethylene Functionality
- PA(C)-22 **Shaheen Kasim Mulani, Subarna Jyoti Kalita, Sandeep Ramesh Rao Tapkir, Maheshwara Reddy Nadivedhi, Masahiko Seki, Kazushi Mashima**
Synthesis of SGLT2 Inhibitors by Means of Metal-Mediated Coupling Reaction with Grignard Reagent

- PA(C)-23 **Tsukiho Osawa, Kohki Fujikawa, Keiko Shimamoto**
Importance of the Pyrophosphate Group and the C6 Position of GlcNAc of the Glycolipid MPIase Essential for the Membrane Protein Integration in *Escherichia coli*.
- PA(C)-24 **Natsuki Mori, Toyonobu Usuki**
Extraction of Essential Oils from Aromatic Plants using Deep Eutectic Solvent
- PA(C)-25 **Taishi Miura, Makoto Yoritate, Go Hirai**
Photoredox-Catalyzed Protecting-Group-Free C-Glycosylation with Glycosyl Sulfinates
- PA(C)-26 **Tomonori Teranishi, Keisuke Nishikawa, Toshiki Niwa, Kengo Morita, Subaru Hashimoto, Akihiro Hoshino, Yoshiki Morimoto**
Establishment of “Ring-Size-Divergent” Synthetic Strategy of Terpenoids Having Five-, Six-, and Seven-Membered Ether Rings from Identical Polyepoxides
- PA(C)-27 **Keitaro Umeno, Hisaaki Onoue, Keiichi Konoki, Kohei Torikai, Yoko Yasuno, Masayuki Satake, Tohru Oishi**
Convergent Synthesis of the WXYZA'B'C'D'E'F' Ring Segment of Maitotoxin
- PA(C)-28 **Rikako Nakamura, Takeru Yamazaki, Yui Kondo, Miho Tsukada, Yusuke Miyamoto, Nozomi Arakawa, Yuto Sumida, Taketoshi Kiya, Satoshi Arai, Hirohisa Ohmiya**
Radical Caging Strategy
- PA(C)-29 **Ryuto Terada, Atsuki Tsuboi, Narihito Ogawa**
Total Synthesis of (–)-Pinellic Acid, (12*R*,13*R*)-Isomer, and (11*R*,12*S*,15*S*)-THETA
- PA(C)-30 **Shunki Mamada, Narihito Ogawa**
Synthesis of C1-C13 Intermediate of Lactomycin A
- PA(C)-31 **Eigo Fukuda, Ibuki Fujiwara, Kenichiro Hamamoto, Keita Ozawa, Shoki Maruno, Kaiki Motomura, Atsushi Nakayama, Tetsuro Shinada**
Total Synthesis and Structure Determination of Bipenicilisorin
- PA(C)-32 **Yudai Itagaki, Shota Nagasawa, Shogo Fujiki, Yusuke Sasano, Eunsang Kwon, Yoshiharu Iwabuchi**
Aerobic Stereoselective Synthesis of Benzoxanthenone Lignans Employing Chromium-salen / Nitroxyl Radical Cooperative Catalysis
- PA(C)-33 **Shunki Mamada, Kosuke Niwa, Yoshiya Seto, Narihito Ogawa**
Stereoselective Synthesis of Volicitin
- PA(C)-34 **Seiya Endo, Keita Ozawa, Yuki Yamamoto, Eigo Fukuda, Atsushi Nakayama, Yoko Yasuno, Daijiro Ueda, Tsutomu Sato, Tetsuro Shinada**
Synthesis of Drimane-8 α ,11-diol Using Terpene Cyclase from *Bacillus Megaterium*
- PA(C)-35 **Yoko Yasuno, Yuma Karita, Seiji Marubayashi, Tetsuro Shinada, Tohru Oishi**
Synthetic Study of Phomopsin A
- PA(C)-36 **Yuto Fumimoto, Yuji Mori, Takeo Sakai**
Synthetic Study of Serratinine-Type *Lycopodium* Alkaloids Using the Cascade Reaction
- PA(C)-37 **Kenji Arimitsu, Ikumi Nakazawa, Hiroki Iwasaki, Yoshimi Hirokawa, Naoyoshi Maezaki**
D-Allulopyranosylation Reaction Using Thioglycoside Prepared Directly from Rare Sugar D-allulose

- PA(C)-38 **Keita Komine, Yuta Yamazaki, Hayato Fukuda, Jun Ishihara**
Synthetic Studies on Lyconesidine A Based on Three-Component Radical Coupling
- PA(C)-39 **Ryuki Ota, Keisuke Yoshida, Daiki Furukawa, Yuri Imaizumi, Arisa Hidaka, Yuri Fukami, Masaya Kako, Shinji Kitagaki**
Synthetic Study Toward the Total Synthesis of Proaporphine Alkaloids
- PA(C)-40 **Sora Iwamoto, Reki Nakano, Keiji Sasaki, Koya Takei, Shoichiro Kobayashi, Reiji Kawakita, Ayako Tokuyama, Noritaka Chida, Toshitaka Okamura, Takaaki Sato**
Synthetic Study of Calyciphylline B
- PA(C)-41 **Soichiro Yasui, Shona Banjo, Yoshiyuki Nagashima, Yuto Okada, Keisuke Nakata, Kao Yoshikawa, Eiko Nakasuji, Noritaka Chida, Toshitaka Okamura, Takaaki Sato**
Total Synthesis of Lobatamides
- PA(C)-42 **Nguyen Ngoc Thanh Luan, Okada Takuya, Toyooka Naoki**
Total Synthesis of Natural Product Contained Phloroglucinol Core
- PA(C)-43 **Hirotu Aihara, Daisuke Kounai, Akihiko Kasamatsu, Junya Shiraiwa, Akinobu Matsuzawa, Shogo Kamo, Kazuyuki Sugita**
Enantioselective, Protecting-Group-Free Total Syntheses of Boscartins
- PA(C)-44 **Kazuki Hori, Shogo Kamo, Kazuyuki Sugita**
Total Syntheses of (-)-Oregonensin A and Related Natural Products
- PA(C)-45 **Tomoya Mashiko, Yuta shingai, Shogo Kamo, Kazuyuki Sugita**
Enantioselective Total Syntheses of (-)-Cochlearol B and (+)-Ganocin A
- PA(C)-46 **Patamawadee Silalai, Anan Athipornchai, Jiraporn Tocharus, Nittaya Boonmuen, Arthit Chairoungdua, Rungnapha Saeeng**
New Triazole-Genipin Analogues and Their Biological Activity
- PA(C)-47 **Motohiro Sonoda, Haruta Shinoda, Kotaro Fujino, Yusuke Mimura, Shizuki Noda, Atsushi Okazawa**
Synthesis of Aryloxyacetylthioureas for Inhibition of *Orobancha minor* Radicle Elongation and its Evaluation
- PA(C)-48 **Ryosuke Ashizaki, Ryo Katsuta, Shinnosuke Wakamori, Tomoo Nukada, Ken Ishigami**
Synthetic Studies of Gomadalactones
- PA(C)-49 **Yuta Inagaki, Kouki Hashimoto, Daisuke Kaida, Shinnosuke Wakamori, Ryo Katsuta, Ken Ishigami**
Synthesis, Cell Growth Inhibition and Structure-Activity Relationship of CGK733 analogs.
- PA(C)-50 **Kiyono Uchida, Yusuke Ogura, Hironori Okamura, Hirosato Takikawa**
Synthesis of Orobanchol, Based on Acid-Mediated Cascade Cyclization
- PA(C)-51 **Davie Kenneth, Atsushi Shimoyama, Haruki Yamaura, Yusuke Yamanaka, Koichi Fukase**
Chemical Synthesis of Monophosphoryl Lipid As from *Alcaligenes* and a Conjugate of Lipid A with Tumor-Associated Carbohydrate Tn Antigen

- PA(C)-52** Atsushi Ueda, Sana Kakazu, Takuma Kato, Akihiro Iyoshi, Yui Makura, Mitsunobu Doi, Masakazu Tanaka
Ring-Closing Metathesis of Side Chains of Helical Peptide: Effects of α -Position Stereochemistry and Sequence
- PA(C)-53** Soyoung Park
Development of New Biohybrid Materials by Merging of DNA and Amino Acids
- PA(C)-54** Tomoya Suwa, Atsushi Umehara, Makoto Sasaki
Synthetic Studies on Irijimasides Using Ni-Catalyzed Ketone Coupling
- PA(C)-55** Daisuke Sato, Atsushi Umehara, Makoto Sasaki
Synthetic Studies toward the Total Synthesis of Portimine
- PA(C)-56** Shota Nagasawa, Kan Fujiwara, Ryusei Maeyama, Ryosuke Segawa, Noriyasu Hirasawa, Takatsugu Hirokawa, Yoshiharu Iwabuchi
Selective Synthesis of 1,3-Substituted Cuneanes and Its Application to Bioisosteres of *m*-Substituted Benzenes
- PA(C)-57** Momona Eguchi, Hiroaki Matoba, Makoto Yoritate, Go Hirai
Synthetic Studies of Cyclic Peptides Consisting of Sugar Amino Acid
- PA(C)-58** Rintaro Nakahashi, Takahiro Moriyama, Hiroaki Matoba, Makoto Yoritate, Go Hirai
Synthesis of C-linked Neotrehalose Analogues
- PA(C)-59** Nanako Kawate, Koetsu Minamide, Kodai Sueyoshi, Risa Nozawa, Takanori Matsumaru, Yukari Fujimoto
Synthetic Study of Phospholipids for Lipid-Dependent Immunological Evaluation
- PA(C)-60** Yuki Takatori, Haruhiko Fuwa
Total Synthesis of (-)-Fasicularin
- PA(C)-61** Huiying Mu, Shuai Shao, Koji Miki, Kouichi Ohe
Selective Tumor Imaging in Living Mice Using Near-Infrared pH-Activatable Cyanine Dyes
- PA(C)-62** Yaseen A. Almeahmadi, Pablo Gabriel, Darren J. Dixon
A General Iridium-Catalyzed Reductive Dienamine Synthesis Allows a Five-Step Synthesis of Catharanthine via the Elusive Dehydrosecodine
- PA(C)-63** Shunya Kikuchi, Nanako Kawate, Juri Takayama, Takanori Matsumaru, Yukari Fujimoto
Synthetic Studies of Peptide-Lipid Antigen Complexes for Analysis of Antigen Presentation
- PA(C)-64** Koichi Deyama, Kohei Kamatani, Keisuke Suzuki, Ken Ohmori
Synthetic Studies on Quartromicins, Spirotetronate Antibiotics
- PA(C)-65** Kumpei Yano, Yoshiyuki Manabe, Koichi Fukase
Synthetic Study of Sialyl *N*-Glycans
- PA(C)-66** Ju Young Ko, Ji-Yoon Jeon, Jae Hyun Kim
A Practical and Scalable Synthesis of Cynandione A
- PA(C)-67** Tomoki Tsuruta, Yukika Yoshino, Keisuke Nishikawa, Yoshiki Morimoto
Studies on Total Synthesis of the Dolastane-Type Diterpene Possessing Inhibition Activity against Byssal Threads of the Mussel

- PA(C)-68 **Takuya Okada, Atsushi Kato, Izumi Nakagome, Maki Kise, Kousuke Yoshimura, Nobutada Tanaka, Robert J. Nash, George W. J. Fleet, Yota Kobayashi, Hayato Ikeda, Naoki Toyooka**
Design and Pharmacological Chaperone Effects of DAB Derivatives Targeting the Lipophilic Pocket of Lysosomal Acid α -Glucosidase
- PA(C)-69 **Soichiro Sato, Kenta Noda, Hiroyuki Hakamata, Eunsang Kwon, Nagao Kobayashi, Hirofumi Ueda, Hidetoshi Tokuyama**
Iron-catalyzed Aerobic Dimerization of Tryptophane-Containing Peptides
- PA(C)-70 **Yuusei Tokunaga, Kazuki Doi, Takahiro Ikazaki, Hiroaki Matoba, Makoto Yoritate, Go Hirai**
Synthesis of Maltose Analogue with a Novel Type of Inhibition Mechanism
- PA(C)-71 **Jiann-Jyh Huang**
New Synthesis of Benzofuro[3,2-c]quinolinones as G-quadruplex DNA Stabilizers
- PA(C)-72 **Jian Zhang, Keisuke Suzuki, Ken Ohmori**
Total Syntheses of Pyrimidinylpropenamide Antibiotics Sparosomycin and Sparoxomycins
- PA(C)-73 **Hinata Odaira, Naoki Mori, Yujiro Hayashi**
Organocatalyst-Mediated Total Synthesis of (–)-Kainic Acid
- PA(C)-74 **Yuichiro Uchida, Takuto Oe, Yuki Shimizu, Hirosato Takikawa, Bubwoong Kang**
Convergent and Divergent Synthesis of Isoflavonoid Natural Products through Claisen Rearrangement-Cyclization Cascade
- PA(C)-75 **Takayuki Shioda, Hironori Okamura, Yusuke Ogura, Hirosato Takikawa**
Synthetic Studies on Artemisidiyne A
- PA(C)-76 **Yoshiaki Manse, Fenglin Luo, Kazuhiro Kato, Akane Okazaki, Eriko Okada, Mitsuhiro Yanagida, Sho Nakamura, Toshio Morikawa**
Effect of Enmein from *Isodonis Herba* on Proliferation-promoting Activity in Human Hair Follicle Dermal Papilla Cells: Structural Requirements and Mode of Action
- PA(C)-77 **Kenji Nemoto, Kento Miura, Hirosato Takikawa, Yusuke Ogura**
Syntheses of (+)-Costic Acid and Structurally Related Eudesmane Sesquiterpenoids and Their Biological Evaluations as Acaricidal Agents Against *Varroa destructor*
- PA(C)-78 **Yusuke Nakagawa, Kishin Inui, Wakana Katayama, Ayaka Shimane, Ryota Kitakami, Takuya Okada, Yuko Nabeshima, Takeshi Yokoyama, Mineyuki Mizuguchi, Naoki Toyooka**
Creation of Chlorinated Naringenin Derivatives as Potential Inhibitors of Transthyretin Amyloidogenesis
- PA(C)-79 **Tadachika Miyasaka, Masaatsu Adachi, Yuta Kudo, Keita Sugimoto, Mari Yotsu-Yamashita, Toshio Nishikawa**
Synthetic Studies on the Proposed Biosynthetic Intermediates of Tetrodotoxin
- PA(C)-80 **S. Luo, J. Wang**
Enantioselective Construction and Bioactivities Evaluation of Flavonoid Derivatives

- PA(C)-81** **Yuki Nakatani, Risa Kimura, Hitoshi Takatsu, Naoyuki Kotoku**
Total Synthesis of 3-(Phenethylamino)demethyl(oxy)apamine
- PA(C)-82** **Atsushi Yoshimura, Kyoya Ohyama, Taisei Masuda, Haruhiko Fuwa**
Total Synthesis of (-)-Enigmazole A by the Macrocyclization/Transannular Pyran Cyclization Strategy
- PA(C)-83** **Syarifatul Mufidah, Ahmed Salahelden Aboelhamd Atito, Yusaku Miyamae**
A Screening for Identification of a Fragment Compound to Synthesize a New Covalent PPAR γ Agonists
- PA(C)-84** **Bubwoong Kang, Akari Yamada, Yuika Jotatsu**
Four-Step Total Syntheses of Amorfrutins A and B by Final-Stage Meroterpenic Phenol Carboxylation Strategy

Room D

- PA(D)-01** **Ryota Ozawa, Kouhei Inoue, Tetsuya Ishikawa, Tetsuya Yamamoto**
Synthesis of Isoindolinones using Optically Active Amines as Chiral Auxiliary Groups
- PA(D)-02** **Yoshihiro Nishimoto, Ryota Takahashi, Takuma Miyamura, Yasuko Osakada, Mamoru Fujitsuka, Manabu Abe, Makoto Yasuda**
Visible-Light-Mediated Hydrodechlorination and Borodechlorination of Aryl Chlorides Catalyzed by Aluminum Complex
- PA(D)-03** **Taichi Yumura, Takeshi Nanjo, Yoshiji Takemoto**
Radical Cyclization of α,β -Unsaturated Carboxylic Acids Catalyzed by Benzophenothiazine/Boronic Acid Hybrid Photocatalyst
- PA(D)-04** **Kenji Muroi, Shohei Furuya, Shin-ichi Fukuzawa**
Copper-catalyzed *endo*'-Selective Asymmetric [3+2] Cycloaddition of Iminolactone with Alkylidene Pyrazolone
- PA(D)-05** **Maho Uchida, Akira Fujimoto, Naoko Nippashi, Tetsuya Yamamoto**
Synthesis of Multi-substituted α -Naphthols via Diels-Alder Reaction with Furans and Aryne
- PA(D)-06** **Yuta Sato, Momoko Nagafuchi, Makoto Sako, Kenichi Murai, Mitsuhiro Arisawa**
Long-Range Isomerization / Cycloisomerization / Hydroboration of 1,*n*-Dienes to Give 2,3-Disubstituted Dihydrobenzofurans Using a Multitasking Single Rhodium Catalyst
- PA(D)-07** **Tomoya Nishio, Kyohei Kanomata, Shuji Akai**
Racemization of Chiral Sulfoxides Using Immobilized Oxovanadium Catalysts
- PA(D)-08** **Amit K Jaiswal, Dennis Chung-Yang Huang**
Selective Mono-Hydrodefluorination of Trifluoromethyl Arenes with NHC-Boranes via Organophotoredox Catalysis
- PA(D)-09** **Jihoon Moon, Takusho Kin, Karin Mizuno, Shuji Akai, Kyohei Kanomata**
Lipase/H₂SO₄ Co-Catalyzed Dynamic Kinetic Resolution of Alcohols in Pickering Emulsions
- PA(D)-10** **Kenichi Michigami, Yoshiki Otawa, Yosuke Kanda, Mitsuhiro Ueda, Masato Ohashi**
Pd-Catalyzed Atom-Economical Synthesis of 1,3-Diketone and Its Derivatives through C_{acyl}-O Bond Cleavage of *O*-Acyl Enolates
- PA(D)-11** **Ryota Yabe, Takahiro Nishimura**
Ir-Catalyzed Asymmetric [3+2] Annulation of *ortho*-Keto Arylboron Reagents with 1,3-Dienes
- PA(D)-12** **Midori Kawasaki, Kenji Yatsuzuka, Ryuichi Shirai**
Hydrolytic Dynamic Kinetic Resolution of Racemic 3-Phenyl-2-oxetanone by Chiral Phase-Transfer Catalyst
- PA(D)-13** **Yusuke Miyazaki, Kenichi Michigami, Mitsuhiro Ueda, Masato Ohashi**
Synthesis of Highly-Active Allenylnickel Complexes in Ni-Catalyzed Propargylic Substitution Reactions

- PA(D)-14** **Hiroataka Okamoto, Yoshihiro Nishimoto, Makoto Yasuda**
Synthesis of Al Complexes with Phosphino Group-Substituted Carbon Ligand and Their Application to Organic Synthesis
- PA(D)-15** **Tatsuhiko Uchikura, Fua Akutsu, Haruna Tani, Takahiko Akiyama**
Lithium Assisted Fluoride-Coupled Electron Transfer Driven Photoreduction of Trifluoromethyl Group via EDA complex
- PA(D)-16** **Honoka Kasahara, Yuna Nishiguchi, Katsuhiko Moriyama**
Enantioselective Oxidative Aryl Rearrangement Reaction of α -Styryl Esters Using Lewis Acid-Hypervalent Iodine (III)
- PA(D)-17** **Hiroko Wasaki, Katsuhiko Moriyama**
Remote Csp²-Csp³ Dual Functionalization of 2-Methylindoles with Iodine Reagents
- PA(D)-18** **Yuna Yamaguchi, Takumi Yagihashi, Tetsuya Yamamoto**
Palladium Catalyzed Synthesis of α -Aryl- α -difluoromethylalcohols using Arylboronates and Difluoroacetaldehyde Bis(triethylsilyl)acetals
- PA(D)-19** **Shunsuke Kataoka, Hiroyuki Morimoto, Takashi Ohshima**
Mild and Practical Direct Catalytic Synthesis of Primary Allylic Amines from Allylic Alcohols Using Ammonium Acetate as the Amine Source
- PA(D)-20** **Ryunosuke Akazawa, Mohamed A.B. Ahmed, Masaki Togami, Kohei Miyagaki, Kenzo Yahata, Kyohei Kanomata, Shuji Akai**
Reagent Control for Divergent Rearrangement of 4,4-Disubstituted 2-Hydroxycyclohexa-2,5-dienones
- PA(D)-21** **Moena Hirao, Futa Koyama, Toyonobu Usuki, Yumiko Suzuki**
NHC-catalyzed Benzoylation of Chromones and Its Application to Synthesis of Wrightiadione
- PA(D)-22** **Miyu Mae, Riku Ogasahara, Keisuke Matsuura, Hyoga Shimizu, Shuji Akai, Yoshinari Sawama**
Photocatalytic and α -Position-Selective H/D Exchange Reactions of Sulfur-Containing Organic Compounds
- PA(D)-23** **Hibiki Okabe, Masamichi Ogasawara**
Design, Synthesis, and Application of Planar-Chiral Skewed DPPF Derivatives
- PA(D)-24** **Kakeru Masaoka, Haruka Taue, Tatsuya Higaki, Yasuhiro Ohki, Masamichi Ogasawara**
Competitive Double Friedel-Crafts 2,5- and 1',2-Diacylation of Monophosphaferrocenes
- PA(D)-25** **Yuuki Mori, Tsukasa Hitomi, Masamichi Ogasawara**
Palladium-Catalyzed Synthesis of Alkoxyallenes and Their Application in Regioselective Hydroelementation Reactions
- PA(D)-26** **Yasuhiro Nishikawa, Daiki Mori, Mayuko Toyoda, Yukiho Amano, Midori Hosoi, Momoka Ando, Osamu Hara**
Chelating Picolinaldehyde Hydrazone Amides as Protecting Groups for Carboxylic Acids
- PA(D)-27** **Daisuke Yamamoto, Kazuishi Makino**
Manganese-Catalyzed Oxygenative Transformations Using Molecular Oxygen in Air

- PA(D)-28 **Kota Hashimoto, Daiki Higuchi¹, Satoshi Matsubara, Kei Murakami**
Copper-Catalyzed Reaction of Aziridine for the Synthesis of Substituted Imidazolidine and Imidazolidinone
- PA(D)-29 **Nobuya Tsuji, Pavel Sidorov, Chendan Zhu, Yuuya Nagata, Timur Gimadiev, Alexandre Varnek, Benjamin List**
Predicting Highly Enantioselective Catalysts Using Tunable Fragment Descriptors
- PA(D)-30 **Seiya Kikukawa, Kazuki Kobayashi, Nozomi Kasakura, Takeshi Hata**
Facile Preparation of 5-Halo-1,2,3-triazole-fused Benzotricyclic Compounds from 1-(ω -azidoalkyl)-2-(2,2-dihalovinyl)arenes and Their Conversion into Polycyclic Triazoles
- PA(D)-31 **Teruki Takahashi, Shintaro Okumura, Kaoru Torii, Yasuhiro Uozumi**
Photocatalytic Cross-Pinacol Coupling and Carbonyl 1,4-Addition via Umpoled Carbinol Anions
- PA(D)-32 **Hugo Ohki, Masaaki Komatsuda, Hiroki Jr. Kondo, Junichiro Yamaguchi**
Ring-opening Functionalization of Heteroaromatics
- PA(D)-33 **Hikaru Nakahara, Ryota Isshiki, Junichiro Yamaguchi**
A Functional Group Metathesis between Ketones and Esters *via* Sequential Claisen/Retro-Claisen Condensation
- PA(D)-34 **Yuki Fujimaki, Nobuharu Iwasawa, Jun Takaya**
Borylation of Carbon–Carbon σ -Bonds of Aryl Ketones
- PA(D)-35 **Yuto Morita, Tatsuyoshi Ito, Nobuharu Iwasawa, Jun Takaya**
Synthesis and Reactivity of Cp Rhenium Hydride Complexes Bearing Multidentate Silyl Ligands
- PA(D)-36 **Kazuya Inagaki, Kei Muto, Junichiro Yamaguchi**
Synthesis of Polycyclic Compounds through Pd-catalyzed Generation of *o*-Quinodimethane from Bromoarenes
- PA(D)-37 **Weiwei Guo, Masahiro Hori, Yoshihiro Ogura, Kazuki Nishimura, Kazuaki Ishihara**
Tandem Isomerization/ α,β -Site- and Enantioselective Addition Reactions of *N*-(3-Butynoyl)-3,5-dimethylpyrazole Induced by Chiral π -Cu(II) Catalysts
- PA(D)-38 **Bubwoong Kang, Tatsuro Imamura, Tetsuya Satoh**
Rapid and Safer Wurtz Coupling Reaction by Sodium Dispersion
- PA(D)-39 **Masaharu Takatsuki, Hiroshi Aoyama, Kenichi Murai, Mitsuhiro Arisawa, Makoto Sako**
Synthesis of Spiro-heterocyclic Cyclobutanes: Heteroannulation of Bicyclobutane Derivatives via Gold-catalyzed Hydration/Intramolecular Cyclization Sequence
- PA(D)-40 **Shohei Yoshioka, Tsunayoshi Takehara, Takeyuki Suzuki, Makoto Sako, Kenichi Murai, Mitsuhiro Arisawa**
Reagent-Controlled Regioselective Intramolecular [2+2] Cycloaddition between Vinylsilanes and Allenes
- PA(D)-41 **Kohei Yamada, Narumi Umekawa, Kokono Tanaka, Kotaro Kikushima, Yasuyuki Kita, Toshifumi Dohi**
Introduction of Difluoromethyl Group into (Herero)arenes via Decarboxylative Arylation Using Iodonium(III) Salt

- PA(D)-42** **Bubwoong Kang, Yuta Nakamura, Rei Nishioka, Vy M. Dong**
Catalyst-Free Regioselective Sugar Alkylation by Alkaline-Metal Chelation-Assistance
- PA(D)-43** **Kotaro Kikushima, Narumi Umekawa, Keina Komiyama, Yasuyuki Kita, Toshifumi Dohi**
Silver-Catalyzed Direct *O*-Arylation of α -Fluorinated Carboxylic Acid with Diaryliodonium(III) Salt
- PA(D)-44** **Taiichi Takeuchi, Kurumi Orihara, Yujiro Sato, Shizuno Otaki, Tsukasa Aoyama, Ryosuke Masuda, Kento Ishida, Hiroyuki Kusama**
Visible Light Induced *In-situ* Generation of Copper-Siloxycarbene Complex and Its Application to Catalytic Transformations
- PA(D)-45** **Takaya Fujie, Yamato Hirota, Takuya Kochi, Fumitoshi Kakiuchi**
Off/on/off Two-Times Switching of Electric Current as a Strategy for One-Pot Synthesis of Teraryl by Cross-Coupling/ C–H Bromination/ Cross-Coupling
- PA(D)-46** **Rin Seki, Hikaru Takaya, Yoshiaki Nakao**
Reductive C–O Silylation by Rhodium/Lanthanum Cooperative Catalysis

Room E

- PA(E)-01** **Katsuhiro Isozaki, Kenta Iseri, Masaharu Nakamura**
Dual Catalysis of Gold Nanocluster Functionalized by Peptide Dendron Thiolate toward Photocatalytic Cross-Dehydrogenative Coupling between Amines and Alkynes
- PA(E)-02** **Tsuyuka Sugiishi, Ryohei Motegi, Hideki Amii**
Synthesis of Fluoroalkylated Oxazoles from *N*-propargylic Amides by Intramolecular Cyclization
- PA(E)-03** **Abhijit Sen, Takuma Sato, Aya Ohno, Heeyoel Baek, Yoichi M. A. Yamada**
Convolutated Polymer Supported Cobalt-Catalyzed Regioselective Cyclotrimerization of Aryl Alkynes
- PA(E)-04** **Huihui Zhang, Jesus Rodrigalvarez, Ruben Martin**
C(*sp*²)-H Hydroxylation via Catalytic 1,4-Ni Migration with N₂O
- PA(E)-05** **Nemrud Demirel, Eric Meggers**
Chiral-At-Iron Complexes: A Journey Between Reactivity And Stability
- PA(E)-06** **Hiroki Nakata, Atsushi Shoji, Izumi Shirakawa, Tatsuo Saito, Ryo Katsuta, Ken Ishigami, Arata Yajima**
Synthesis of Several Bioactive Natural Products Using Asymmetric Allyl Alcohol Synthesis by AD-Julia-Type Reaction as a Key Reaction
- PA(E)-07** **Yuta Chikashige, Tsunayoshi Takehara, Tsuyoshi Matsuzaki, Takeyuki Suzuki, Kenichi Murai, Mitsuhiro Arisawa, Makoto Sako**
Design and Synthesis of Axially Chiral Borinic Acid Catalysts and its Application to Alkylative Desymmetrization of 1,2-Diols
- PA(E)-08** **Daigo Hayashi, Tomohiro Tsuda, Ryo Shintani**
Palladium-Catalyzed Skeletal Rearrangement of Substituted 2-Silylaryl Triflates via 1,5-C-Pd/C-Si Bond Exchange
- PA(E)-09** **Yusuke Oyamada, Miku Fujii, Shuichi Nakamura**
Hydrogen-Bonding-Donor Catalyzed Enantioselective Construction of Unknown α -Aminonitriles with Tetrasubstituted Stereogenic Carbon Center
- PA(E)-10** **Elghareeb E. Elboray, Ahmed G. Taha, Mohammed F. Radwan, Hemat M. Dardeer, Yusuke Kobayashi, Takumi Furuta, Shohei Hamada, Toshifumi Dohi, Moustafa F. Aly**
[3+2] Cycloaddition of Azomethine Ylides with Arylidenes and *in situ* Diastereodivergent *via* Retrocycloaddition
- PA(E)-11** **Kentaro Yamakawa, Takahiro Nishimura**
Iridium-Catalyzed Branch-Selective and Enantioselective Alkylation of *N*-Benzimidazolyl Indoles
- PA(E)-12** **Kazuhiro Morisaki, Kohei Miyamoto, Emiko Kawaguchi, Yoshihiro Sato**
Zn/F carbenoids: Preparation, Stability, Structures, and Application to Nucleophilic Monofluoroalkylation

- PA(E)-13 **Shuhei Ohmura, Kei Katagiri, Haruna Kato, Takahiro Horibe, Sho Miyakawa, Jun-ya Hasegawa, Kazuaki Ishihara**
Highly Enantioselective Radical Cation [2+2] and [4+2] Cycloadditions of Chalcone Derivatives by Chiral Iron(III) Photoredox Catalysis
- PA(E)-14 **Mirei Takashima, Makoto Miyoshi, Makoto Sako, Mitsuhiro Arisawa, Kenichi Murai**
Oxidative Rearrangement Approach to Ring Contraction of Piperidines
- PA(E)-15 **Tomohiro Ishizaka, Yuji Nakayama, Taichiro Touge, Yamato Yuki, Kazuhiko Matsumura, Taiga Yurino, Takeshi Ohkuma**
Ruthenabicyclic Borohydride Complexes for Asymmetric Hydrogenation of Ketones and Asymmetric Formal Hydroamination of Allylic Alcohols under Base-Free Conditions
- PA(E)-16 **Tsukasa Tawatari, Riku Kudo, Takaya Sakaue, Kiyosei Takasu, Hiroshi Takikawa**
Intramolecular (3+2) Cycloadditions of Benzyne with Nitrogen-substituted Alkynes
- PA(E)-17 **Aniket Mishra, Xuefeng Cong, Masayoshi Nishiura, Zhaomin Hou**
Enantioselective Synthesis of 1-Aminoindanes via [3 + 2] Annulation of Aldimines with Alkenes by Scandium-Catalyzed C–H Activation
- PA(E)-18 **Hiroto Shigematsu, Matsutani Takanari, Toshiyuki Moriuchi**
Synthesis of Ureas through Carbon Dioxide Activation under Atmospheric Pressure Using Phosphorus Organic Catalyst
- PA(E)-19 **Takuya Kobayakawa, Chika Azuma, Kenichi Yamamoto, Kohei Tsuji, Hirokazu Tamamura**
Development of Synthetic Strategies for Peptidomimetic Based on a Chloroalkene Dipeptide Isostere and its Application to a Cyclic Peptide
- PA(E)-20 **Hasil Aman, Yu-Hao Liu, Jia-Luo Li, Jen-Chieh Hsieh, Gary Jing Chuang**
Denitrogenative Cyclization of Benzothiazines to Seven-Membered Sultams.
- PA(E)-21 **Sei Murayama, Zhurong Li, Huatai Liang, Yan Liu, Hiroshi Naka, Keiji Maruoka**
Impact of Catalyst Deuteration on The Stability and Reactivity of Organocatalyst
- PA(E)-22 **Shousuke Miki, Tairin Kawasaki, Masahiro Murakami, Naoki Ishida**
Photoinduced Dehydrogenative Coupling of Thiols with Aldehydes Forming Thioesters
- PA(E)-23 **Yamato Ezo, Takashi Niwa, Takamitsu Hosoya**
Photoinduced *ipso*-Azidation of 1-Aryltriazenes
- PA(E)-24 **Yuki Hirata, Daichi Sekine, Yoshimi Kato, Lin Luqing, Masahiro Kojima, Tatsuhiko Yoshino, Shigeki Matsunaga**
Enantioselective Synthesis of Thiadiazine-1-oxides Catalyzed by Cp*Co(III)/Chiral Carboxylic Acid via Asymmetric C–H Amidation
- PA(E)-25 **Yixiao Zhang, Zhongxing Huang**
Zinc-Catalyzed Desymmetric Hydrosilylation of Monosubstituted Malonic Esters
- PA(E)-26 **Masaki Hosaka, Shota Nagasawa, Yoshiharu Iwabuchi**
C-H Alkylation of Cubane via Catalytic Generation of Cubyl Radical

- PA(E)-27** **Tasuku Ito, Falk William Seidel, Jin Xiongjie, Kyoko Nozaki**
TEMPO as a Hydrogen Atom Transfer Catalyst for Aerobic Dehydrogenation of Activated Alkanes to Alkenes
- PA(E)-28** **Natsuho Harada, Toshifumi Asano, Masaharu Sugiura, Shunsuke Kotani, Makoto Nakajima**
Development of Asymmetric Michael Reaction of Acrylamides and Its Mechanistic Study
- PA(E)-29** **Mizuki Kuwajima, Yasushi Shimoda, Sachie Arae, Shunsuke Kotani, Makoto Nakajima**
Chiral Troponone-catalyzed Asymmetric Ring-opening Reaction of Epoxide
- PA(E)-30** **Xiaodong Gu, Kexin Liu, Limin Yang, Chengyi Xie, Mingliang Li, Jun (Joelle) Wang**
Nickel-Catalyzed Enantioselective α -Heteroarylation of Ketones via C–F Bond Activation to Construct All-Carbon Quaternary Stereocenters
- PA(E)-31** **Naoki Sugihara, Masayuki Abe, Yoshihiro Nishimoto, Makoto Yasuda**
Defluoroarylation of Trifluoromethylarenes with Heteroarenes by Photoredox Catalysis
- PA(E)-32** **Shunsuke Sueki, Azumi Watanabe, Minori Nakamura, Naoyuki Machida, Asuka Shuto, Kosho Makino, Masahiro Anada**
Synthesis of Phosphine Chalcogenides Using Thiocyanate or Selenocyanate Salts
- PA(E)-33** **Takahiro Doba, Yu Harabuchi, Yuuya Nagata, Satoshi Maeda**
Prediction of Reaction Yields Enabled by Global Reaction Route Mapping and Machine Learning
- PA(E)-34** **Kaushalendra Patel, Veeranjanyulu Lanke, Xu Chen, Ilan Marek**
Stereospecific Nucleophilic Substitution at Quaternary Carbon Stereocenters
- PA(E)-35** **Yuki Izumiya, Tetsuya Yamamoto**
Palladium-Catalyzed Synthesis of 2,3-Diaryl-1,1-difluoropropenes via Defluoroarylation of α -(Trifluoromethyl)styrenes with Arylboronic Acids
- PA(E)-36** **Takuma Sugimura, Hiroki Shigehisao**
MHAT/RPC Promoted [n + 2] Annulation: Access to Cyclic Acetal
- PA(E)-37** **Michiko Sasaki, Kei Takeda**
Abnormal Michael Reaction: Conditions-Dependent Product Distributions in the Michael Reaction of Monoalkylmalonates
- PA(E)-38** **Hayato Nakagawa, Akane Yamaji, Ryohei Hanzawa, Atsushi Yoshimura, Haruhiko Fuwa**
Stereodivergent Tandem Synthesis of Pyrrolidine Derivatives from Amino Alkynes
- PA(E)-39** **Kota Sato, Kotaro Yamashita, Yutaka Tanji, Jun-ya Hasegawa, Tetsuaki Fujihara**
Synthesis of Dirhodium Complexes Bearing Bulky Carboxylate Ligands and Their Use in Catalytic Carbene Insertion Reactions
- PA(E)-40** **Yiliang Zhang, Yanxin Jiang, Mingliang Li, Jun (Joelle) Wang**
Palladium-Catalyzed Diastereo- and Enantioselective Desymmetric Hydrophosphination of Cyclopropenes

- PA(E)-41** **Ryosuke Isogai, Kosuke Yasui, Aiko Fukazawa**
Regioselective Transformation of Weiss Diketone by Introducing Phenylsulfanyl Groups
- PA(E)-42** **Che-Ming Hsu, Hsuan-Hung Liao**
Azetidines with All-Carbon Quaternary Centers: Merging Relay Catalysis with Strain Release Functionalization
- PA(E)-43** **Butsaratip Suwattananuruk, Yuta Uetake, Hidehiro Sakurai**
Dehydrogenative Coupling of Hydrosilanes Using Gold Nanoparticles Deposited on Fibrillated Citric Acid-modified Cellulose
- PA(E)-44** **Junki Nitta, Takako Yamazaki, Ren Tomita, Katsuhiko Akiyama, Tsubasa Hirata, Manabu Hatano**
Chemoselective Triflation of Phenols Using *N*-Trifluoromethanesulfonylimidazole
- PA(E)-45** **Bo-Wei Huang, Jeng-Liang Han**
A Regioselectivity Switch between Enantioselective 1,2- and 1,4-Addition of Allyl Aryl Ketones with 2,3-Dioxopyrrolidines
- PA(E)-46** **Jiangtao Cheng, Jun (Joelle) Wang**
Palladium-Catalyzed Asymmetric Hydrophosphination of *gem*-Difluoroallenes
- PA(E)-47** **Shogo Nakamura, Koji Hirano**
Copper-Catalyzed Electrophilic Etherification with Acetal-Based Peroxides
- PA(E)-48** **Wu Di, Zhongxing Huang**
Kinetic Resolution of Malonic Ester Half Amides by Zinc-Catalyzed Reduction
- PA(E)-49** **Kazuhiro Aida, Marina Hirao, Aiko Funabashi, Natsuhiko Sugimura, Eisuke Ota, Junichiro Yamaguchi**
Reverse Regioselectivity in Reductive Ring Opening of Epoxides and Oxetanes Enabled by Zirconocene and Photoredox Catalysis
- PA(E)-50** **Duona Fan, Ganesh T. Kamble, Hiroaki Sasai, Shinobu Takizawa**
Vanadium(V) Complex-catalyzed Oxidative Hetero-coupling of Arenols and/or Aryl Amines
- PA(E)-51** **Kohei Hatakeyama, Yuya Kogure, Satoshi Ueno**
Ruthenium-Catalyzed Cross-Coupling of Pyridylketones as an Alkenyl Electrophiles with Organoboronates
- PA(E)-52** **Dattatraya H. Dethe, Amar D. Uike, Nagabhushana C. B.**
Ruthenium-Catalyzed Oxidative Cross-Coupling Reaction of Activated Olefins with Vinyl Boronates for the Synthesis of (*E,E*)-1,3-Dienes
- PA(E)-53** **Kenji Yatsuzuka, Midori Kawasaki, Ryuichi Shirai**
Tetracoordinated Chiral Lithium Amide Mediated Enantioselective [2,3]-Wittig Rearrangement of α -Allyloxycarboxylic Acids
- PA(E)-54** **Yoichi Dokai, Kodai Saito, Tohru Yamada**
Lewis Acid-Catalyzed C-C Bond Formation Based on Decarboxylation of Cyclic Carbonates
- PA(E)-55** **Mohamed S. H. Salem, Masaru Kondo, H. D. P. Wathsala, Akimasa Sugizaki, Md. Imrul Khalid, Hiroaki Sasai, Takashi Washio, Shinobu Takizawa**
Bayesian Optimization (BO)-driven Screening of Multiple Parameters: Towards Efficient Electrochemical and Flow Synthesis

- PA(E)-56** **Emanuele Silvi, Aitor Bermejo López, Sarko Jabbari, Magnus J Johansson, Belén Martín-Matute**
Cyclodehydration and Selective Amination of 1,4-Diols Catalyzed by an NHC-iridium(III) Complex
- PA(E)-57** **Ting Zhi Yao, Yi Cheng Tseng, Gary Jing Chuang**
Research on the Reactivity of Bicyclo[2,2,2]octenoxime