Contributed Papers

November 17 (Tue)

16:40-18:40 Poster Session A (Rooms C, D, E and F)
PA(C)-01 — PA(C)-85 (Room C)
PA(D)-01 — PA(D)-46 (Room D)
PA(E)-01 — PA(E)-62 (Room E)
PA(F)-01 — PA(F)-58 (Room F)

Room C

PA(C)-01 **Douglas G. Fraser, Evan E. Hurlow, M. Grace Russell**
Organocatalyzed Asymmetric Povarov Annulation Enabling a Resolution-Free, Wastewater-Free, Commercial Manufacture for the Key Chiral Tetrahydroquinoline Intermediate for Obicetrapib

PA(C)-02 **Finn Höeg, Eric Meggers**
Chiral-at-Osmium(III) Complex for Asymmetric Redox Catalysis

PA(C)-03 **Yong-Chua Teo, Anthia Shun-Ai Teo, Clarissa Widyantoro, Jun-Yan Wong**
A Ligand-Free CuCl Catalytic System for the N-Arylation of Benzotriazoles

PA(C)-04 **Guganchandar Vedarethinam, Shih-Ching Chuang**
Facile Pd(II)-Catalyzed *ortho* C(sp)-H Alkenylation of 2′-Methyl Biaryl-2-amines with Bulky Internal Alkynes Enabled by Steric: From Alkenylation to Orthogonal Polycyclic Aromatics

PA(C)-05 **Apata Dasola Airat, Oyewusi Peter Ayodele**
GC-MS and Phytochemical Profiling, *Invitro* Antioxidant, Anticholinesterase and Antidiabetis Activity of *Andrograhis paniculata*

PA(C)-06 **Martha I. Prindl, David B. Cordes, Andrew D. Smith**
The Acylative Kinetic Resolution of 1,2-Azaborine Naphthols

PA(C)-07 **Yoshihiro Nishimoto, Ryosuke Ino, Makoto Yasuda**
Visible-Light-Mediated Addition of S–S Bond to Alkenes via $S_0 \rightarrow T_n$ Direct Transition

PA(C)-08 **Lotte Stockhammer, Justin O'Yang, Martin Juhl, Kevin Kasten, David B. Cordes, Andrew D. Smith**
Enantioselective Synthesis of Tetrasubstituted Epoxides via a [2,3]-Wittig Rearrangement-Nucleophilic Substitution Cascade

PA(C)-09 **Nicola S. Wenzel, Philipp C. Brehm, Maike Mücke, Monish A. Ansari, Brigitte Worbs, Martin Simon, Christopher Golz, Ricardo A. Mata, Manuel Alcarazo**
Sulfonium Salts as Synthetic Equivalents of Carbyne Cations: Insertion of $[^{12/13}CH]^+$ into Double Bonds

PA(C)-10 **Hyosun Lee**
Ring Opening Metathesis Polymerization of Cyclic Olefins by Catalytic System of Tungsten(VI) Complex and Trialkylaluminium

PA(C)-11 **Pei-Shen Xiao, Ke-Liang Chen, Jean-Ho Chu**
Synthesis of Novel 4*H*-Indeno[1,2-*c*]isoxazoles from *ortho*-Arylimino-3,5-diarylisoxazoles and Their Serendipitous Conversion to 1*H*-Inden-1-ones

PA(C)-12 **Yuji Otsuka**
Nitroaryl Effects in Stereoselective Glycosylation and Site-Selective Diol Functionalization

PA(C)-13 **Yasushi Nishihara**
Decarbonylative Transformations of Twisted Amides: From C–N and C–X Bond Formation to Skeletal Editing

PA(C)-14 **Shivesh Baburam, Frederick G. West**
Visible-Light-Mediated O–H Insertion of Donor/Donor Carbenes: Chemoselective Diphenylmenthyl Ether Formation in Unprotected Amino Alcohols

PA(C)-15 **Alexandr Sushilnikov, Alexey Zazybin, Sarah Bayazit, Yelizaveta Belyankova, Adina Alibayeva, Temirlan Tailakbayev, Aruzhan Maxutova, Malika Abildayeva, Isabella Combs, Rakhat Mussabayev**
Synthesis of Kazcaine-Based Quaternary Ammonium Derivatives and Evaluation of Their Biological Activity Using Zebrafish Model

PA(C)-16 **Nao Kobayashi, Wakana Hirai, Yusuke Nakagawa, Naohito Abe, Satoshi Endo, Naoki Toyooka, Takuya Okada**
Synthesis of Natural Products Containing the Styrylchromone Skeleton and Their Application as Anticancer Drugs

PA(C)-17 **Donghyeon Kim, Jaehyun You, Da Hye Lee, Hojin Hong, Dongwook Kim, Yoonsu Park**
Photocatalytic Furan-to-Pyrrole Conversion

PA(C)-18 **Yuting Bian, Minghao Qi, Lei Yu, Philip Wai Hong Chan**
Gold Catalysed Enantioselective Tetrahydrocarbazole Synthesis

PA(C)-19 **Juho Lee, Tae Ann Kim**
Anthracene-Functionalized Cyclopentenes for High-Performance Recyclable Polymers

PA(C)-20 **Davor Margetić, Antonija Karakaš, Josipa Šajnović, Anamarija Briš, Zoran Glasovac, Lucija Piškur**
The Utilisation of Mechanochemistry in the Synthesis of Thioureas and Guanidines

PA(C)-21 **Mallepalli Shankar, Ju-Ching Hsu, Pin-Hsien Chen, Shu-Jung Hsu, Jyun-Jie Li, Cheng-Chun Chen, Yan-Shiun Chen, Chen-Hung Hsiao, Yun-Cheng Tsai, Duen-Ren Hou**
Nitrosonium (NO^+) Chemistry for Sustainable Oxidation and C–H Functionalization

PA(C)-22 **Anna Scheucher, Mario Waser**
Isotellurourea-Catalyzed Enantioselective (4+2)-Heterocycloadditions of But-2-ynoates and Michael Acceptors

PA(C)-23 **Tim Ziegelmeier, Thorsten Bach**
Studies towards the Synthesis of Pingbeinone

PA(C)-24 **Wan-Chi Liao, Chao-An Liu, Ching-Wen Chiu**
Ambiphilic Chiral Aluminum Cations as Catalysts for Enantioselective Phospha-Michael Additions

PA(C)-25 **Li-Hui Hong, Ching-Wen Chiu**
Chiral Prolinol Based Heavy Tetrylene Catalysts for Asymmetric Hydroboration of Ketones

PA(C)-26 **Jobsy Jose, Chandra Bhushan Tripathi**
From Visible Light Induced [4+2] Cycloadditions of *p*-QM and Olefins to H-Bond-Directed [2+2] Cycloaddition and Strain-Release Cascades

PA(C)-27 **Saumya Singh, Arun Yadav, Chandra Bhushan Tripathi**
Alectinib Synthesis through Formal α-Arylation of Enone

PA(C)-28 **Mahima Pilania, Sourav Manna, Kumarjit Sen, Nikolaos V. Tzouras, Angelino Doppiu, Lukas J. Gooßen**
Mild N-Arylation of Sulfoximines with (Hetero)aryl Chlorides Enabled by α-Methylnaphthyl-tBuBrettPhos Palladium Triflate

PA(C)-29 **Shoichi Sugita, Kentaro Okano, Atsunori Mori**
Palladium-Catalyzed Benzocyclization Reactions of Quinoline-2-carboxamides via Sequential C–H/N–H Functionalization

PA(C)-30 **Shafrizal Rasyid Atriardi, Mardhiyah Hanifah, Su Hyeon Kim, Sang Kook Woo**
Overcoming Protic-Solvent Limitations in Dithiane Chemistry: Photocatalyzed Giese Addition and One-Pot Ketone Synthesis

PA(C)-31 **Fazsa Islamianti Machmud, Ki Na Park, Sang Kook Woo**
Cp_2TiCl_2-Catalyzed Photochemical Rearrangement of Oxaziridines to Amides

PA(C)-32 **Tsuyoshi Nishikawa, Hiroshi Suzuki, Makoto Ouchi**
Molecular Design of Vinylboron Monomers for Stereoselective Polymerization Enabling Synthesis of Tacticity-Controlled Polymers via Side-Chain Replacement

PA(C)-33 **Mina Tateya, Haruhiko Fuwa**
Total Synthesis of (−)-Akunolide A

PA(C)-34 **Sudhakar Dattatray Tanpure, Yung-Chiao Chang, Hsiao-Fu Chang, Shiu-Hwa Yeh, Shau-Hua Ueng**
Enantioselective Synthesis of (*S*)-/(*R*)-4-Ethyl-*N*-[(2-methyl-1,2,3,4-tetrahydroisoquinolin-1-yl)methyl]benzamides and Benzoazepines via Uthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation

PA(C)-35 **Alexia Dussart, Sébastien Lengelé, Ivan Jabin, Roy Lavendomme**
Efficient Synthesis of Pillar[6]arenes via Templation by Lewis Adducts Generated *In Situ*

PA(C)-36 **Marko Purić, Marko Gobin, Filip Duplić, Narendra Bisht, Ivana Nikšić-Franjić, Nikola Topolovčan**
Design and Synthesis of Next-Generation Chiral Ligands

PA(C)-37 **Nele Krüger, Jie Shen, Sourav Manna, Lamphiza O Najiar, Lukas J. Goossen**
Catalytic C–F Bond Activation at Room Temperature: Enolate Cross-Couplings Enabled by$[Pd(1\text{-}MeNAP)TFA]_2$ and LiHMDS

PA(C)-38 **Aryssa Jeanne Lazaroo, Hélène Lebel**
N^2-Regioselective Alkylation of Benzotriazoles with Alkyl Diazoniums

PA(C)-39 **Lantian Sun, Chi-Sing Lee**
Diastereo-/Enantioselective Hajos-Parrish-Eder-Sauer-Wiechert Reaction for Asymmetric Total Synthesis of Natural Products

PA(C)-40 **Shunta Nakao, Yuki Takatori, Haruhiko Fuwa**
Total Synthesis of (+)-Grandilodine C

PA(C)-41 **Mario Hofer, Markus Himmelsbach, Uwe Monkowius, Mario Waser**
(4+2) Annulations of Activated Allenes and Michael Acceptors Catalysed by Chiral Isochalcogenoureas

PA(C)-42 **Yelyzaveta Sotulenko, Christopher B. Caputo**
Broadening the Scope of Small Molecule Activation with Allenylidene Phosphonium Cation

PA(C)-43 **Ricardo Hortigón, Tomás G. Santiago, Laura Talavera, Vicent Porte, Eloisa Serrano, Álvaro Velasco-Rubio, Ruben Martin**
Ni-Catalyzed Suzuki−Miyaura Coupling of (Hetero)aryl Halides with Fluorinated Boronic Esters

PA(C)-44 **Nobuyuki Mase, Kohei Sato, Tetsuo Narumi**
A Fine-Bubble Platform for Gas-Liquid Reactions and an Archimedean-Screw Flow Platform for Slurry-Phase Reactions

PA(C)-45 **Puja Singh, Sanjay S. Bisht, Manoj V. Mane, Jonaid A. Malik, Manwi Shankar, Boddu S. Naidu, Javed N. Agrewala, Aslam C. Shaikh**
Two-Step Strategy to Design Organo-Fluorophore: Engaging Palladium Catalysis for Carbo-Oxygenative Cyclization of Chloroprene Derivatives

PA(C)-46 **Sakshi Sahewal, Suman Sharma, Dibyendu Mallick, Soumyajit Das**
Substituent-Induced Modulation of Proaromaticity in Benzo-Fused Fluorenophenalene Exhibiting a Low-Lying LUMO

PA(C)-47 **Kenta Tanaka, Hiroyoshi Takamura, Isao Kadota**
Redox-Potential-Controlled Thioxanthylium Organophotoredox Catalysis

PA(C)-48 **Daniel Gordon-Levitan, Dmitrii Bushmin, Jonathan R. Church, Rakesh Mondal, Tsafrir Bohak, Natalia Gloriozova, Moran Feller, Mark A. Iron, Haim Weissman, Michal Leskes, Boris Rybrchinski, Samer Gnaim**
Electrolyte-Guided Selectivity Unlocks Pathway Control in Electrochemical Olefin Functionalization

PA(C)-49 **Takeshi Yamada, Mioko Nasu, Waka Oda, Yuki Takada, Haruka Fujii, Manabu Hatano**
Development of a Novel Phenol-Type Hydrophobic Soluble Tag for the Liquid-Phase Synthesis of C-Terminal Modified Peptides

PA(C)-50 **Yuen Wai Lui, Qingqing Tao, Geoffrey R. Akien, Alexander K.L. Yuen, Alejandro Montoya, Bun Chan, Matthew Y. Lui**
Hydrothermal Depolymerization of Different Lignins: Insights into Structures and Reactivities

PA(C)-51 **Rebeka Ločmele, Artis Kinēns, Gints Smits**
Direct Synthesis of Silyl Enol Ethers from Esters via Tris(pentafluorophenyl)borane-Catalyzed Hydrosilylation

PA(C)-52 **Yuki Takahashi, Shoichi Sugita, Manabu Hatano**
Regioselective Hydrofunctionalization of Vinylpyridines by Cooperative Photoredox Catalysts and Lewis Acid Catalysts

PA(C)-53 **Yuki Kojima, Chikara Naruse, Haruka Matsui, Koji Hirano**
Asymmetric Synthesis of $C(sp^3)$–$ChCF_3$ Compounds by Copper-Catalyzed Regio- and Stereoselective Functionalization of 1-$ChCF_3$-alkenes

PA(C)-54 **Shuhei Ohmura, Hayato Akao, Kazuaki Ishihara**
Chiral Iron(III) Photoredox Catalysis for Natural Product Synthesis

PA(C)-55 **Hiroyuki Kagawa, Takeshi Kondo**
Stress Relaxation in Dynamic-Covalent-Bond Resin

PA(C)-56 **Harin Ryoo, Sourav Pradhan, Jeonguk Kweon, Dongwook Kim, Sukbok Chang**
NHC-Mediated Olefin Amidoacylation via Amidyl Radical Intermediates Leading to 5- and 6-Membered Keto-Lactams

PA(C)-57 **Yiwei Wang, Hayate Kinouchi, Tsukasa Tawatari, Kiyosei Takasu**
Synthesis and Evaluation of Heterocyclic *trans*-Cyclononenes

PA(C)-58 **Younghoon Kim, Suhyeon Kim, Hoimin Jung, Dongwook Kim, Sukbok Chang**
Generalized Access to N-Fused Acyl Aziridines for Modular Difunctionalization of Olefins via Ruthenium-Catalyzed Nitrenoid Transfer

PA(C)-59 **Geun Ho Kim, Jung Woon Yang**
Acyl Fluoride–Carbonate Preorganization Enables *N*-Selective Functionalization of Amino Alcohols in Water

PA(C)-60 **Masato Oishi, Kenta Tanaka, Hiroyoshi Takamura, Isao Kadota**
Heteroarylation of Mono- and Dichloroarenes via Phenothiazine Organophotoredox Catalysis

PA(C)-61 **En-Chuan Zhang, Hsin-Hua Chang, Yu-Chen Lo, Uyen Thi Nhat Nguyen, Ya-Fan Lin**
Dynamic Imine Chemistry: Reaction-Controlled Molecular Diversification and Biomolecular Profiling

PA(C)-62 **Kanon Miyake, Kenta Tanaka, Hiroyoshi Takamura, Isao Kadota**
Photochemical Thioesterification of Alcohols via C–H Bromination

PA(C)-63 **Daiki Shioyama, Kenta Tanaka, Hiroyoshi Takamura, Isao Kadota**
Visible-Light-Induced Selenoetherification of Aryl Chlorides

PA(C)-64 **Atsuya Miyamoto, Kenta Tanaka, Hiroyoshi Takamura, Isao Kadota**
Photochemical Macrolactonization and Esterification via C-H Bromination

PA(C)-65 **Shiang-Hong Shiu, Jen-Shyang Ni**
Development of Fluorinated D-A-D Hole Transport Materials: Optimizing Dopant-Free Characteristics for Enhanced Performance and Stability in Perovskite Solar Cells

PA(C)-66 **Sora Kitai, Yoshio Nishiyama, Shogo Amemori, Koki Matsumoto, Masaharu Hazawa, Takahiro Soeta**
Synthesis and Photophysical Characterization of Novel Derivatives of the Fluorescent Probe “Pyr-A”: Linker Design for Improved Evaluation of LLPS Structures

PA(C)-67 **Ágnes Homolya, Nawar Ahmad, Rasha Ghanem Kattoub, Fanni Hőgye, Erika Mező, Ulf J. Nilsson, Anikó Borbás**
Glycals in Photoinitiated Thiol-Ene Addition Reactions: Synthesis of Potential Galectin Inhibitors

PA(C)-68 **Ferenc Dániel Petróczi, Angéla Tótik, Amir Foroutan, Anikó Borbás, Pál Herczegh, Brijesh Rathi, Himanshi Sharma, Ilona Bakai-Bereczki**
Synthesis and Antimalarial Activity of Water-Soluble Cannabinoids

PA(C)-69 **Yuta Goto, Kenta Tanaka, Hiroyoshi Takamura, Isao Kadota**
Mono- and Bisphosphonylation of Aryl Chlorides via Phenothiazine Organophotoredox Catalysis

PA(C)-70 **Kantarattana Paramanurak, Kotohiro Nomura**
Ethylene Copolymerization with Biobased Conjugated Dienes by Half-Titanocene Catalysts

PA(C)-71 **Ploychompoo Loekukot, Kotohiro Nomura**
Synthesis of *N*-Heterocyclic Carbene-Supported (Arylimido)niobium(V)–Alkylidene Complexes as Catalysts in Olefin Metathesis Reactions

PA(C)-72 **Naoyuki Shimada, Daichi Sato, Kai Nitanda, Ryuichi Nishiyori**
Boronic Acid-Catalyzed Site-Selective Propargylation of Carbohydrates and Its Application to Click Chemistry

PA(C)-73 **Koharu Chida, Kenta Tanaka, Hiroyuki Takamura, Isao Kadota**
Phenothiazine Photoredox Catalyzed Mono- and Multiphosphonylation of Aryl Halides

PA(C)-74 **Markus N. A. Böcker, Ryan J. D. Kang, Jean Michalland, Robert P. Langford, Matthew J. Gaunt**
Cu-Catalysed Synthesis of β-Heteroaryl Alkylnitriles via Dual Cyanide-Enabled Halogen-Atom-Transfer

PA(C)-75 **Sena Toyofuku, Gen Onodera, Masanari Kimura**
Regio- and Stereoselective Synthesis of Allylic Amines via Cu-Catalyzed Coupling Reactions of Terminal Alkynes, Organoboranes, and Aldimines

PA(C)-76 **Yuhao Jiang, Takeshi Yokoyama, Riko Ohyama, Kaho Yamabe, Mineyuki Mizuguchi, Naoki Toyooka, Takuya Okada**
Xanthohumol as an MTH1 Inhibitor: Discovery and Structural Optimization

PA(C)-77 **Yusei Fujii, Kiyosei Takasu, Yusuke Kuroda**
Harnessing Random Polymers as Chemoselective Catalysts with Structural Adaptability

PA(C)-78 **Hiroki Uchiyma, Yan Yu, Takayoshi Arai**
Asymmetric [2+2] Cycloaddition of Alkenyloxindoles with *N*-Allenamides Catalyzed by a Bis(imidazolidine)pyridine–Nickel Complex

PA(C)-79 **Terry Girier Rioual, Matteo Maria Moscogiuri, Margaux Hanard, Sylvain Gaillard, Jean-Luc Renaud**
Chemoselective 1,4-Hydrogenation of α,β-Unsaturated Ketones Catalyzed by Well-Defined Cyclopentadienyl Fe(II) Complexes

PA(C)-80 **Stanisław Kulczyk, Artur Kasprzak**
Cyclo[5]pyridines – Facile Synthesis and New Properties

PA(C)-81 **Wichita Kheakwanwong, Punlop Kuntiyong**
Synthesis Study of 2-(Piperonyl)pyrrolidine Alkaloids, Lycorine and Nobilistine Using Chiral Succinimide Method

PA(C)-82 **Kotaro Kikushima, Yasuyuki Kita, Toshifumi Dohi**
Introduction of Fluorinated Functional Groups into Aromatic Rings via Transient Diaryliodonium(III) Salts

PA(C)-85 **Jatin Patra, Akshay M. Nair, Chandra M. R. Volla**
Bismuth LMCT Photocatalysis for the Generation of Heteroatom-Centered Radicals

Room D

PA(D)-01 **Jihoon Moon, Shuji Akai, Yoshinari Sawama, Kyohei Kanomata**
Racemizing Tertiary Alcohols in a Pickering Emulsion under Acid Catalysis and Its Application to DKR

PA(D)-02 **Yuma Mori, Naoki Nishiguchi, Masaki Shimizu, Tsuneaki Sakurai**
Photoluminescence Properties of D–π–A Fluorophores Employing a Methylpyridinium Group as an Electron Acceptor

PA(D)-03 **Naoki Nishiguchi, Masaki Shimizu, Tsuneaki Sakurai**
Development of Highly Fluorescent D–π–A–B(C_6F_5)$_3$ Complexes

PA(D)-04 **Xiaochen Li, Akihito Konishi, Makoto Yasuda**
Design and Synthetic Studies of Novel Azulene-Fused Pentalenes with Unique π-Electronic Structures

PA(D)-05 **Yoshihiro Chiba, Naoki Nishiguchi, Masaki Shimizu, Tsuneaki Sakurai**
Ionic Fluorophores Exhibiting Large Stokes Shifts via Combined ESIPT and ICT Mechanisms

PA(D)-06 **Jiue-Wei Wang, Jian-Ming Wong, Pei-Jhen Li**
Divergent Synthesis of Legionaminic Acid, Acinetaminic Acid, and 8-*epi*-Acinetaminic Acid from a Common Intermediate

PA(D)-07 **Jian-Ming Wong, Cheng-I Lee, Pei-Jhen Li**
Development of Targeted Peptide–Small-Molecule Conjugates for Lung Cancer

PA(D)-08 **Kazuki Kihara, Yuuki Morimoto, Yoshihiro Sohtome**
Copper-Catalyzed Aerobic Regioselective Cross-Dehydrogenative Coupling of Persistent Radicals with 4-Substituted Catechols

PA(D)-09 **Ryuji Kouda, Hwanhee Moon, Mayuko Kawaguchi, Souhei Teshigawara, Shogo Ueki, Masahiro Yamanaka, Tohru Nagamitsu, Masaki Ohtawa**
Total Syntheses of (+)-Atractylolide II and Related Dimeric Natural Products *via* Butenolide Functionalization and Oxidative Radical Dimerization

PA(D)-10 **Taiga Sakimori, Kosuke Yasui, Koji Hirano**
Diastereodivergent Transformation of Cationic Alkenyl Electrophiles: Base-Switchable Aziridination of Alkenyl Aminosulfoxonium Salts

PA(D)-11 **Hayate Sano, Yuki Goto, Hiroki Hayashi, Kenji Yamashita, Yoshitaka Hamashima**
Radical Transformations of Carboxylic Acids Enabled by Ketone Photocatalysis

PA(D)-12 **Yuta Tabatake, Atsushi Shiraishi, Tomoyuki Shibagaki, Hideki Kimura, Takahiro Soeta**
Development of a Novel Sulfonium Salt Bearing an Isothiocyanate Moiety and Its Application to Photochemical Cyclization to Benzothiazoles

PA(D)-13 **Meng-Chih Chen, Bing-Han Hsieh, Yoshihiro Sohtome, Yen-Ku Wu**
DIBAL-H-Mediated Ring Contraction of α-Aryl-α-fluoro Cyclic Vinylogous Esters

PA(D)-14 **Toshiki Murakawa, Rintaro Ishimaru, Yuta Yoshikawa, Yoko Yasuno, Tetsuro Shinada**
Synthetic Study of Phomopsin A

PA(D)-15 **Kentaro Yamakawa, Yuki Okayama, Takahiro Nishimura**
Iridium-Catalyzed Alkylation with 1,1-Disubstituted Alkenes: Synthesis of Configurationally Labile 5,5-Membered C–N Heterobiaryls

PA(D)-16 **Yuuya Inou, Takayoshi Arai**
BODIPY Scaffold Engineering Enables Mono-Substitution at the Boron Center with Carboxylic Acids

PA(D)-17 **Gregor Talajić, Luc Bombail, Edi Topić, Nikola Cindro**
Dehydro-α-lapachone – Solvent Dependent Self-Sensitized Photooxygenation

PA(D)-18 **Yuto Suyama, Ayumu Watanabe, Asahi Shimazu, Yan Lu, Song Hong, Narihito Ogawa**
Synthesis of (10*S*,11*R*,20*S*)-Trihydroxydocosahexaenoic Acid

PA(D)-19 **Ryotaro Shirai, Hikaru Nakahara, Junichiro Yamaguchi**
Heteroaromatic Swapping in α,β-Unsaturated Ketones

PA(D)-20 **Noyuri Kudo, Suzuka Chiba, Makoto Yoritate, Kazuteru Usui, Ryotaro Tsukamoto, Naoya Matsunaga, Go Hirai**
Development of α-Selective C-Glycosylation and Its Applications

PA(D)-22 **Elghareeb E. Elboray, Taeho Bae, Kotaro Kikushima, Yusuke Kobayashi, Yasuyuki Kita, Toshifumi Dohi**
Beyond Metal and Base Activation: Synthesis of Sulfilimines *via* Diaryliodonium Salt-Mediated *S*-Arylation of Sulfenamides

PA(D)-23 **Noriaki Shimamoto, Norihito Arichi, Hiroaki Ohno**
Triplet Nitrene-Mediated Photocatalytic Azidation of Tertiary C(sp^3)–H Bonds

PA(D)-24 **Jay Prakash Maurya, Samer Gnaim**
Aromatization-Driven Borylene Generation from Borepin Precursors Enables Fused Borirane Synthesis and Selective Alkene Functionalization

PA(D)-25 **Jana R. Caine, Heekyoung Choi, Simon Larsen, Ryoga Hojo, Abhik Ghosh, Zachary M. Hudson**
Strategies for Obtaining Near-Infrared Photothermal Nanomaterials

PA(D)-26 **Nariyoshi Umekubo, Kohei Furuhashi, Ayumi Nakanishi, Yoe Matsuyuki, Satoshi Yokoshima**
Synthesis of Tricyclic Diamines via Cycloaddition of Cyclic Azomethine Ylide

PA(D)-27 **Takatsugu Murata, Daiki Usukura, Hisazumi Tsutsui, Isamu Shiina**
Rational Design of Electron-Deficient Phosphonate Esters for Highly Efficient Magnesium-Promoted (*E*)-Selective Horner–Wadsworth–Emmons Reactions

PA(D)-28 **Riko Suzuki, Katsuki Takashima, Yoshiaki Manse, Fumihiro Ishikawa, Toshio Morikawa, Genzoh Tanabe**
Total Synthesis and SAR Studies of Calanthoside

PA(D)-29 **Yu Shibata, Yukie Yokota, Izumi Aoyama, Toyonobu Usuki**
Extraction of Monoterpenes from *Eucalyptus* Using Deep Eutectic Solvents

PA(D)-30 **Yuu Komori, Kosuke Higashida, Tatsuhiko Yoshino, Shigeki Matsunaga**
α-Diazo Masked Sulfinate Reagents and Their Application to C–H Alkylation of Sulfoximines

PA(D)-31 **Wei-Yin Sun, Jia-Qi Chen, Yue Zhao**
Photocatalytic Aerobic Oxidation of Sulfide to Sulfoxide Using Metal-Organic Frameworks with Perylene Diimide-Based Liagnds as Molecular Reactor

PA(D)-32 **Teppei Asakawa, Takahiro Sasamori**
An Efficient Synthetic Strategy for Unsymmetrical Bis(ferrocenyl)dipnictenes

PA(D)-33 **Masaya Sugiura, Hidetoshi Kawai, Yoshitaka Tsuchido**
Direct and Reorganized Synthesis and Properties of Cycloperopyrenylene Family via a Macrocyclic Gold Complex-Mediated Method

PA(D)-34 **Kanato Takahashi, Shintaro Fujii, Futo Morita, Juntaro Nogami, Yuko Kishida, Haruki Goto, Ryota Shimizu, Tomoaki Nishino, Hidehiro Uekusa, Ken Tanaka**
Synthesis of Partially π-Exposed 3D Carbohelicene for Mechanical Tuning of Single-Molecule Conductance and Thermopower

PA(D)-35 **Kiichi Yasuzawa, Alec J. Sanchez, Nobuyuki Yamamoto, Shunsuke Ohtani, Kenichi Kato, Krishnan Raghavachari, Amar H. Flood, Tomoki Ogoshi**
Emissive Charge Transfer States from Shape-Mismatched Macrocycles Activated by Ionic Guests

PA(D)-36 **Kanta Kimura, Shunsuke Ohtani, Kenichi Kato, Tomoki Ogoshi**
A Nanoconfinement Strategy for Regulating Cluster Size to Enable Color Tuning in Clustering-Triggered Phosphorescence

PA(D)-37 **Yuchen Yao, Masaki Furuya, Toyonobu Usuki**
Synthetic Study of Anastatins A and B

PA(D)-38 **Lu Chang, Takashi Kubo**
Investigation of Photoluminescence Properties of Phenalenyl Radicals

PA(D)-39 **Natsumi Hammyo, Rikuro Takahashi, Hajime Ito**
General Method for Generating Functionalized Arylsilyllithium Species

PA(D)-40 **Jinji Zhang, Takashi Kubo**
A Phenalenyl-Based Tetraradicaloid Hydrocarbon with Dynamic 3D Spatial Modulation

PA(D)-41 **Hitomi Chiaki, Norbert Krause, Yoshimitsu Hashimoto, Nobuyoshi Morita**
Two Synthetic Strategies toward Sustainable Synthesis Using Gold Catalyst in Water and Ionic Liquid: Environmentally Friendly and Stereoselective Synthesis of 2,3-Dihydrobenzofurans and Indanes

PA(D)-42 **Yuya Aoki, Daisuke Sawada**
One-Pot Synthesis of Fused Benzothiazoles via Pd- or Fe-Catalyzed C-H Functionalization

PA(D)-43 **Kaho Oishi, Toyonobu Usuki**
Synthetic Study of Pyridinophane Desmosine Peptides

PA(D)-44 **Taku Suzuki-Osborne, Mahito Atobe, Naoki Shida**
Nitrogen Insertion Reactions Allowed by Electrochemically Generated Distonic Radical Cations in Pyrrole Molecules

PA(D)-45 **Sobi Asako, Laurean Ilies**
Spirobipyridine Ligands for Molecular Recognition and Selective Catalysis

PA(D)-46 **Akie Kinoshita, Osamu Hayashida, Takaaki Miyazaki**
Synthesis and Photophysical Properties of Thieno[2,3-*h*]isoquinoline Imide Dimers and Their Pyridinium Derivatives

Room E

PA(E)-01 **Kengo Kasama, Haoyang Dai, Kosuke Umezawa, Takayuki Yakura**
Development of Bismuth-Catalyzed Oxidative Homo- and Cross-Couplings of 3-Hydroxycarbazoles and Total Synthesis of (±)-Integerrines B–F

PA(E)-02 **Hiroki Iwamoto, Koji Hirano**
Synthesis of Phenanthridines by Lewis Acid-Assisted Mallory Reaction under Visible Light Irradiation

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