
Aug. 27 (Tue)

Room A

11:40-14:00 ***Poster Session A***

11:40-12:30 ***odd numbers***

13:10-14:00 ***even numbers***

PA01 Satoe Iijima, Takuya Nakamura, Yoshiro Kondo, Satoko Suzuki, Kengo Yoshida

Structural Analysis of Chiral Samples with Multiple Asymmetric Carbons by Semi-preparative LC, ECD, and VCD

PA02 Hiroakira Den, Hiroyuki Ando, Takafumi Onishi, Atsushi Ohnishi

The chiral separation ability of a new immobilized amylose-type column (CHIRALPAK® IN)

PA03 Hideki Motoda, Tomotaka Mizuguchi, Atsushi Ohnishi

Enantiomer Separation of D/L-monosaccharides by Polysaccharides-based Chiral Columns

PA04 Nobuhiro Kawahara, Akari Yamamoto, Yuichi Fujioka, Satoshi Shinkura,

Tohru Shibata, Atsushi Ohnishi

Establishment of LCMS conditions for a crown ether-based chiral stationary phase, CROWNPAK® CR-I.

PA05 Yusuke Masuda, Yasuhiro Funada, Ryo Kubota

Improving Efficiency of the Method Development Workflow for Chiral Separation Using Supercritical Fluid Chromatography

PA06 Natsuki Iwata, Manami Kobayashi

Development of Sensitive and Simultaneous Determination Method for Thirty-Seven D/L-Amino Acids by Automatic Pre-column Derivatization with Chiral Thiol Using UHPLC

PA07 Takanari Hattori, Yasuko Shibayama, Ryo Yamaguchi, Natsuyo Asano

Simple Profiling of Underivatized Chiral Amino Acids in Foods using Liquid Chromatography-Single Quadrupole Mass Spectrometer

PA08 Yue Li, Jie Zhang, Xinhua Wan

Synthesis of proline-derived helical copolyacetylenes as chiral stationary phases for HPLC enantioseparation

PA09 Magdaléna Labíková, Jiří Svoboda, Andrea Carotti, Alessandro Di Michele,

Roccaldo Sardella, Wolfgang Lindner, Michal Kohout

A deep dive into chiral cation exchangers through molecular dynamics

PA10 Sara Grecchi, Serena Arnaboldi, Filippo Malacarne, Roberto Cirilli,

Tiziana Benincori

Miniaturized tubular devices for wireless chiral resolution

PA11 Michał Sawczyk, Nicholas A. Kotov

Hedgehog-Shaped Superstructures with Multiscale Chirality for the Separation of Biomolecules from Complex Systems

- PA12** **Keiyo Nakai, Kuniyoshi Miki, Takashi Kikuchi, Hiroyasu Sato, Takashi Matsumoto, Takato Ishida, Kaoru Kinoshita, Hiroaki Sasaki, Trianda Ayuning Tyas, Junichi Tanaka, Takahiro Jomori, Mitsuhsisa Yamano**
Rapid determination of the absolute configuration about various natural products using 3D ED/MicroED
- PA13** **Qihang Gong, Takuya Nakanishi, Kenta Nakagawa, Yusuke Yamauchi, Toru Asahi**
Chiral Discrimination between Phenylalanine Enantiomers by Homocysteine-modified Mesoporous Gold Electrodes
- PA14** **Shunsuke Takano, Takuya Nakanishi, Keigo Tokita, Kenta Nakagawa, Toru Asahi**
Distorted Molecular Order and Reversal Dynamics in Frustrated Droplet
- PA15** **Zikkawas Pasom, Chularat Wattanakit, Alexander Kuhn**
Tuning Electrocatalytic Activity at Mesoporous Metal Surfaces via Chiral-Induced Spin Effect
- PA16** **Natsuki Mukai, Muneto Nitta, Andrey O. Leonov**
Static properties and building mechanisms of bimeron “clusters” in two-dimensional chiral magnets
- PA17** **Tsunehisa Kimura, Ryoma Kimura**
Chiral Interactions between Molecules
- PA18** **Arunkumar Bupathy, Darian Hall, Gerardo Campos-Villalobos, Rodolfo Subert, Ivan I. Smalyukh, Marjolein Dijkstra**
Machine Learning Potentials to Model Interacting Knots in Chiral Matter
- PA19** **Maciej Bagiński, Dorota Szepke, Martyna Wasiluk, Wiktor Lewandowski**
Liquid crystalline plasmonic thin films with dynamic tunability and moldability
- PA20** **Olga Guselnikova, Joel Henzie, Pavel Postnikov, Martin Martau, Iliyana Samardzhieva, Malcolm Kadodwala, Affar Karimullah, Yusuke Yamauchi**
Light-Matter Interactions in Chiral Mesoporous Plasmonic Shurikens
- PA21** **Vera A. Kuznetsova, Alain Kadar, Anita A. Gaenko, Engin Er, Tao Ma, Kody Whisnant, Jessica Ma, Bing Ni, Ji-Young Kim, Yurii K Gun'ko, Nicholas A. Kotov**
Complex Chiral Nanodendrimers and Graph-Property Relationships for Chiroptical Activity
- PA22** **Wenfeng Jiang, Yongfeng Zhou**
Hierarchically Organized Particles with Chiral Macropores
- PA23** **Giang Minh Thanh Truc, Hadonahalli Munegowda Shashanka, Katsuya Inoue**
Crystal Growth of Layered Chiral Inorganic Magnets Using Chemical Transport Method
- PA24** **Asha Kumari, Ivan I. Smalyukh, Jun-Yong Lee, Narumi Toda, Ryuichi Hirota, Ye Yuan**
Topology in non-equilibrium soft solitonic materials and live biological systems
- PA25** **Jun-Yong Lee, Asha Kumari, Ye Yuan, Ivan I. Smalyukh**
The structural and dynamic behavior of topological colloids in chiral nematics
- PA26** **Xia Wang, Binghai Yan, Claudia Felser**
In-situ spin-polarized electrons at intrinsic chiral metallic active sites for high-performance water-splitting

- PA27** **Victor Ukleev, Chen Luo, Radu Abrudan, Aisha Aqeel, Sina Mehbodi, Christian H. Back, Florin Radu**
Chiral surface spin textures in Cu₂OSeO₃ unveiled by soft x-ray scattering in reflection geometry
- PA28** **Victor Ukleev, Priya Ranjan Baral, Jonathan S. White, Oleg I. Utesov, Luana Caron**
Skyrmion lattice and helical spin waves in the *B20* chiral magnet Cr_{0.82}Mn_{0.18}Ge
- PA29** **Jakub J. Zakrzewski, Junhao Wang, Kunal Kumar, Hiroko Tokoro, Shin-ichi Ohkoshi, Szymon Chorazy**
Polar lanthanide–copper cyanido-bridged frameworks: towards NIR emission, single-ion magnetic anisotropy, and second harmonic generation
- PA30** **Nazanin Kordestani, Elizabeth A. Hillard, Patrick Rosa, Elen Duverger-Nédellec, Philippe Saintavit, Marie-Anne Arrio, Amélie Juhin, James Ablett, Fabrice Wilhelm, Andrei Rogalev**
X-ray Circular Dichroism: A powerful element- and orbital-selective chiroptical spectroscopy
- PA31** **M. Di Girolamo, J. A. F. Wade, S. Heutz, M. J. Fuchter**
Materials and Methods for Chiral Induced Spin Selectivity
- PA32** **Keigo Tokita, Kenta Nakagawa, Zhang Kun, Komei Okano, Masataka Matsumoto, Takuya Nakanishi, Masaki Fujita, Toru Asahi**
Measurement of optical anisotropy of Bi_{2-x}Pb_xSr₂CaCu₂O_{8+δ} using the generalized high-accuracy universal polarimeter
- PA33** **Camelia Dutta, Jatish Kumar**
Unraveling the Origin of Chiral Emission in Optically Active Atomically Precise Metal Clusters
- PA34** **Gabriela Handzlik, Katarzyna Rzepka, Matteo Atzori, Michał Magott, Wataru Kosaka, Hitoshi Miyasaka, Dawid Pinkowicz**
Coupling chirality with magnetism in lanthanide-helicene complexes
- PA35** **Yingying Duan**
Spin Chiral Anisotropy of Chiral Mesostructured Inorganic Materials
- PA36** **Andrei Rogalev**
X-ray Magnetochiral Dichroism – an Elements Selective Probe of Magnetoelectric Coupling
- PA37** **Satoko Suzuki, Akio Kaneta, Anas Santria, Hiroyuki Nishikawa, Yoshitane Imai, Ken-ichi Akao, Naoto Ishikawa**
Highly efficient MCPL measurement by newly developed HTMCPL system
- PA38** **Yuu Iwasaki, Tsuneomi Kawasaki**
Monodeuterated chiral benzhydrylamines induced enantioselective Strecker synthesis with enhancement of solid-state chirality: Solubility difference between the chiral substitutional isotopomers
- PA39** **Soushi Ikezaki, Shun Kono, Chihiro Kase, Tsuneomi Kawasaki**
Reversal of enantioselectivity in CPL-induced amplification of chiral aminonitrile by changing the wavelength of left- and right-handed irradiations

- PA40** **Tomohiro Ogawa, Daisuke Tateishi, Kenta Suzuki, Kenso Soai, Tsuneomi Kawasaki**
Asymmetric addition of diisopropylzinc to the chirally crystallized achiral pyrimidine-5-carbaldehyde followed by asymmetric autocatalysis with amplification of ee
- PA41** **Naoki Yasukawa, Hidenori Andatsu, Yuto Terashima, Rio Kawamura, Yoichiro Matsuda, Shuichi Nakamura**
Enantioselective synthesis of 2,3-dihydro-4-quinolones with chiral tetrasubstituted carbon from isatins and 2'-aminoacetophenones
- PA42** **Kazuki Ogura, Shota Ando, Shuichi Nakamura**
Organocatalytic Asymmetric Access to Chiral 4-Imidazolones with *N*-Silyl Iminoesters and *N*-Unprotected Ketimines
- PA43** **Tomoya Mayumi, Chino Igarashi, Hiromichi Egami, Yoshitaka Hamshima**
Asymmetric Fluorocyclization of Difluoroalkenes with Concomitant Formation of a Trifluoromethyl Group
- PA44** **Kenji Yamashita, Ryo Hirokawa, Yuki Nakahara, Shotaro Uchida, Yoshitaka Hamshima**
Enantioselective Bromocyclization Reactions Enabled by Lewis/Brønsted Base Concerted Catalysis of Chiral Bisphosphine Oxide
- PA45** **Eunsol Choi, Kiyotaka Hiyoshi, Shunsuke Kotani, Makoto Nakajima**
Asymmetric aldol-type reaction between esters and ketones mediated by phosphine oxide catalyst and trichlorosilyl triflate
- PA46** **Dino Berthold**
About the journey towards a Ni-catalyzed, atroposelective Negishi cross-coupling reaction and the unexpected discovery of solid higher-order zincates
- PA47** **Tomohiko Shirai**
Cationic Iridium-Catalyzed Asymmetric Hydroarylation of Bicyclic Alkenes via C–C Activation
- PA48** **King Hung Nigel Tang, Taichi Kishi, Takanori Shibata**
Enantio- and Regioselective [2 + 2 + 2] Cycloaddition of 1,7-Enynes to Construct the Benzo[*c*]chromen-1-ol Backbone: Access to Axially Chiral Cannabinoid Bioisostere
- PA49** **Takaaki Yajima, Akito Katayama, Tsubasa Ito, Takuma Kawada, Kenya Yabushita, Toshihisa Yasuda, Takeshi Ohta, Takeaki Katayama, Noriyuki Utsumi, Yoshihito Kayaki, Shigeki Kuwata**
Efficient Synthesis of Unprotected Unnatural α-Amino Acids by Asymmetric Reductive Amination of α-Keto Acids Using Chiral Iridium Hydrogen Transfer Catalysts
- PA50** **Tomoka Yasue, Yunhao Song, Michinori Sugimoto, Takeru Torigoe, Toshimichi Ohmura**
Iridium-Catalyzed Asymmetric Hydroalkenylation of Norbornenes with Vinylarenes or Ethylarenes: Remarkable Temperature Effects on Enantioselectivity
- PA51** **Tatsuhiko Uchikura, Sotaro Kato, Yudai Makino, Masahiro Yamanaka, Takahiko Akiyama**
Chiral Phosphoric Acid-Palladium(II) Complex Catalyzed Asymmetric Desymmetrization of Biaryl Compounds by C(sp³)–H Activation

- PA52** **Erin Hayashi, Tetsuji Fujii, Gouki Makado, Tsuyoshi Kawai, Tsumoru Morimoto**
New Asymmetric Hydroformylation Reactions with Formaldehyde
- PA53** **Kakeru Masaoka, Haruka Taue, Masayuki Wakioka, Yasuhiro Ohki, Masamichi Ogasawara**
Molybdenum-Catalyzed Enantioselective Metathesis Dimerization/Desymmetrization of C_s -Symmetric Divinylferrocenes
- PA54** **Minoru Hayashi, Yoshiki Nakashima, Kensaku Ashiba, Hayato Sasaki, Hidetoshi Ohta**
P-Chiral Phosphine Synthesis and Its Application to Stereo-controlled Macroyclic Phosphine Synthesis
- PA55** **Keitaro Kato, Shousuke Miki, Naoki Ishida**
Dehydrogenative Coupling of Thiols with Aldehydes Retaining the Stereochemical Integrity of the α -Chiral Centers
- PA56** **Masato Abe, Keisuke Yamada, Satoshi Yamashita, Michinobu Hirosumi, Tomoya Fujiwara, Hisako Sato**
Total synthesis of all stereoisomers of the phospholipid lysocardiolipin
- PA57** **Kiichi Hatae, Masato Hanada, Takayuki Iwata, Mitsuru Shindo**
Synthesis of Phosphinotriptycenes Based on the Ynolate-Aryne Triple Cycloaddition
- PA58** **Yasuhiro Morisaki**
Synthesis and Chiroptical Properties of Chiral Cyclic Molecules Based on Planar Chiral [2.2]Paracyclophanes
- PA59** **Yuki Kamata, Nobuhiro Kanomata**
Conglomerates and a Racemate of Cyano[10]parapyrnidinophadiyne: Their Synthesis and Properties
- PA60** **Magdalena Maria Zakrocka, Paweł Pakulski, Dawid Pinkowicz**
Carbohelicenes as building blocks in the construction of chiral redox active magnetic molecules
- PA61** **Katarzyna Rogacz, Iwo Waś, Dawid Pinkowicz**
Protected azahelicene as the precursor for further functionalization
- PA62** **Saya Higashi, Lei Song, Kazunobu Igawa, Yuya Kawasaki, Katsuhiko Tomooka, Ryo Irie**
Synthesis and Stereochemical Studies of Dioxa[6]helicenes with an Internal-edge-halogen Group
- PA63** **Masahiro Narita, Takaaki Teraoka, Hiroki Aoyama, Kenta Goto, Toshihiro Murafuji, Yoshihito Shiota, Kazunari Yoshizawa, Shigeki Mori, Hidemitsu Uno, Shinji Kanegawa, Osamu Sato, Kazunobu Igawa, Yuuya Kawasaki, Katsuhiko Tomooka, Fumito Tani**
Azulene-Based Chiral Helicenes and their Stable Cation Radicals
- PA64** **Ahmed Sabri Gabr, Hiroaki Sasai, Mohamed S. H. Salem, Shinobu Takizawa**
Electrochemical Synthesis of Oxaza[9]-,[12]-, and [15]Helicenes

- PA65** **Rubal Sharma, Mohamed S.H. Salem, Md. Imrul Khalid, Mitsuhiro Arisawa, Shinobu Takizawa**
Sequential Electrochemical Synthesis of Hetero[7]dehydrohelicene and Double Hetero[7] dehydrohelicene
- PA66** **Katherine Lyon, Chenyu Pan, Jochen R. Brandt**
Photo-flow synthesis of heterohelicenes
- PA67** **Atsuya Tanaka, Laure Guy, Marine Louis, Tsuyoshi Kawai**
Synthesis and Chiroptical Property of Helicene-like Dimer with External Stimuli
- PA68** **Ryoji Hatakenaka, Nanami Nishikawa, Yuji Mikata, Hiroki Aoyama, Kohsuke Yamashita, Yoshihito Shiota, Kazunari Yoshizawa, Yuuya Kawasaki, Katsuhiko Tomooka, Shin Kamijo, Fumito Tani, Toshihiro Murafuji**
Efficient Synthesis and Structural Analysis of Chiral 4,4'-Biazulene
- PA69** **Michał Šámal, Ludmilla Sturm, Irena Deperasinska, Bolesław Kozankiewicz, Yuuya Nagata, Isabelle Séguay, Jiří Klívar, Andrej Jančák**
Acenohelicensones: synthesis and properties
- PA70** **Sorachi Miwa, Daichi Mizutani, Kiyosei Takasu, Hiroshi Takikawa**
Helicene–fluorescein hybrids: a reversible base/acid-triggered chiroptical switch with CPL sign inversion
- PA71** **Miki Kohei, Naoya Kumagai**
Development of CPL Material Based on C4N4 Scaffold
- PA72** **Tatsuya Mori, Yoshiharu Sano, Tomoyuki Ikai, Yuuya Kawasaki, Katsuhiko Tomooka, Shigehiro Yamaguchi**
Chiral Tetracoordinate Boron-Embedded Helicenes that Exhibit Dual Circularly Polarized Luminescence
- PA73** **Yanyan Zhou, Jeanne Crassous, Hongfeng Li**
Solvent-Regulated Metal Stereocenter Δ/Λ and CPL Sign Inversion Independent of P/M Helical Inversion in a Dynamic Eu_2L_4 Helicate
- PA74** **Kazuto Takaishi, Yoshihiro Sato, Fumiya Yoshinami, Chihiro Maeda, Tadashi Ema**
Binaphthyl-bridged Oxa-, Thia-, and Azapyrenophanes as Thermo- and Solvent-responsive Circularly Polarized Luminescence Dyes
- PA75** **Kazuto Takaishi, Itsuki Taniuchi, Sho Miyashita, Chihiro Maeda, Tadashi Ema**
Control of Conformation and Turn-On Circularly Polarized Luminescence of Cyclic Binaphthyl Tetramers
- PA76** **Kotaro Tsuruoka, Masato Nozaki, Naoya Kumagai**
Design and Synthesis of Self-Assembling Cyclic Trimer $[\text{HYD-Py}]_3$ and Its Strategic Applications
- PA77** **Tanhai Shi, Shunsuke Ohtani, Kenichi Kato, Tomoki Ogoshi**
Chiral covalent nanotubes based on pillar[5]arenes
- PA78** **Chenyi Ma, Shunsuke Ohtani, Kenichi Kato, Tomoki Ogoshi**
Chiral Self-Sorting of Pillar[5]arenes with Diene Chains
- PA79** **De-Hui Tuo, Shigehisa Akine, Kenichi Kato, Shunsuke Ohtani, Tomoki Ogoshi**
Diastereoselective Synthesis of Topological Chiral Pillar[5]arenes: Unveiling the Unit and Macroyclic Chirality Interplay

- PA80** **Kiichi Yasuzawa, Keisuke Wada, Shixin Fa, Yuuya Nagata, Kenichi Kato, Shunsuke Ohtani, Motohiro Mizuno, Tomoki Ogoshi**
Diastereoselective Polypseudorotaxane Formation with Planar Chiral Pillar[5]arenes via Co-crystallization Processes
- PA81** **Xuefei Luo, Thanuka Udumulla, James Wayne Canary,**
Enantioswitched kinetic resolution in the polymerization of *rac*-lactide
- PA82** **Io Yamamoto, Satoshi Muranaka, Chihiro Maeda, Kazuto Takaishi, Tadashi Ema**
Catalytic Synthesis and Chiroptical Properties of Chiral Pyrene-Containing CO₂-Based Polymers
- PA83** **Shu-Ming Kang, Jie Zhang, Xinhua Wan**
Reversible Mechanofluorochromic Elastomer Materials Based on Helical Conformational Transition of Polyphenylacetylene
- PA84** **Kosuke Matsui, Hiromitsu Sogawa, Fumio Sanda**
Effect of Magnetic Field Application on the Chiroptical Properties of Polyacetylenes Substituted with Aromatic Groups
- PA85** **Hiroshi Suzuki, Tsuyoshi Nishikawa, Makoto Ouchi**
Stereospecific Radical Polymerization of Vinylboronic Acid Derivatives for Syntheses of Tacticity-Controlled PVAs: Monomer Design Criteria Based on Bulkiness and Chirality
- PA86** **Xun-Hui Xu, Jie Zhang, Xinhua Wan**
A Novel Rhodium-Based Catalytic System that Mediates the High-Efficiency Polymerization of Carbenes
- PA87** **Nozomu Suzuki, Daisuke Taura, Yusuke Furuta**
Theoretical Models Developed for Chiral Amplification of Dynamic Helical Polymers Interacting with Chiral Guest Molecules
- PA88** **Abilesh Kumar Ravikumar, Tatsuya Nishimura, Katsuhiro Maeda**
Effect of Solvents in Chiroptical Properties of Poly(diphenylacetylene)s Bearing Chiral Ester Pendants
- PA89** **Hayato Fujimoto, Shisato Yamamura, Mamoru Tobisu**
Synthesis of Poly(*ortho*-arylene)s by Nucleophilic Aryne Polymerization