
Aug. 28 (Wed)

Room A

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

11:40-12:30 *odd numbers*

13:10-14:00 *even numbers*

- PB01** Rikuto Kikuchi, Tohru Taniguchi, Kenji Monde
VCD structural analysis of fluoroprolines with Boc residue
- PB02** Deborah Amrei Drost, Christian Merten
Vibrational Circular Dichroism Spectra of Proline in Aqueous Solution
- PB03** Tim Steinke, Malte Feßner, Corentin Grassin, Christian Merten
Investigation of electrocyclic ring-opening of α -phellandrene using matrix isolation IR/VCD spectroscopy
- PB04** Davidson Obinna Agbo, Tohru Taniguchi, Josef Kapitan, Qin Tang, Tao Wu,
Petr Bour
Localized Stereostructural Analysis of Chiral Compounds: A Case Study on Deuterium-Aided ROA Spectroscopy of Methyl Glucoses in Water
- PB05** Štěpán Jílek, Josef Kapitán, Ivan Barvík, Václav Profant
Guanosine 5'-monophosphate self-assemblies: Can Raman Optical Activity decipher their complexity?
- PB06** Grzegorz Zając, Agnieszka Domagała, Katarzyna Pajor, Ewa Machalska,
Malgorzata Baranska
Raman Optical Activity Under Resonance Conditions – What It Tells About Chiral Molecules, Aggregates, and Proteins
- PB07** Junhe Wang, Kenta Nakagawa, Yuta Shiga, Olga Guselnikova, Takuya Nakanishi,
Yusuke Yamauchi, Toru Asahi
Chiral Discrimination via Raman Spectroscopy on Chiral Gold Nanostructures Combined with Mesoporous Substrates
- PB08** Giulia Pancotti, Catherine E. Killalea, Thomas W. Rees, Letizia Liirò-Peluso,
Sergi Riera-Galindo, Mariano Campoy-Quiles, Giuliano Siligardi, David Amabilino
New electrically and optically active molecular materials characterized by synchrotron circular dichroism imaging
- PB09** Attila Mándi, Aliz Rimóczi, Roland A. Barta, Tibor Kurtán
Stereochemical studies of natural and synthetic derivatives by classical TDDFT-ECD / DFT-NMR methods and the simplified MD-based ECD approach
- PB10** Ayaka Matsumoto, Kenta Nakagawa, Takuya Nakanishi, Mizuki Kira,
Yukana Terasawa, Norio Shibata, Toru Asahi
Determination of temperature dependence of crystal structure in thalidomide using X-ray single crystal structure analysis

- PB11** Yifu Chen, Xinhua Wan
Directional Crystal Jumping Controlled by Chirality
- PB12** Ryoma Kimura, Tsunehisa Kimura
Separating Chiral Crystals Using a Rotating Magnetic Field
- PB13** Musashi Okada, Ryusei Oketani, Takuya Nakashima, Ichiro Hisaki
Single-crystal-to-single-crystal deracemization through structural transition with chirality inversion
- PB14** Toshiyuki Sasaki, Kouhei Ichiyanagi, Mikiji Miyata
Twofold helicity in a 4-hydroxy-2-pyridone chiral crystal characterized by combination of Supramolecular-Tilt-Chirality method and high resolution structure analysis at BL02B1, SPring-8
- PB15** Hideko Koshima, Yuki Hagiwara, Toru Asahi
Photo-triggered phase transition and photoactuation of chiral crystals
- PB16** Yi Tao, Fei Zhang, Xinhua Wan
Conditions of solution crystallization affect the subsequent melt crystallization: A case of nitrendipine
- PB17** Hiromasa Niinomi, Kazuhiro Gotoh, Naoki Takano, Miho Tagawa, Iori Morita, Akiko Onuma, Hiroshi Y. Yoshikawa, Ryuzo Kawamura, Tomoya Oshikiri, Masaru Nakagawa
Crystal enantiomeric excess in chiral crystallization on a Mie-resonant dielectric metasurface
- PB18** Hiromasa Niinomi, Tomoya Yamazaki, Hiroki Nada, Tetsuya Hama, Akira Kouchi, Tomoya Oshikiri, Masaru Nakagawa, Yuki Kimura
Chiral spinodal-like ordering of homoimmiscible water at the chiral ice III/water interface
- PB19** Yuki Iwasawa, Momoka Miyake, Kana Yamasaki, Miyo Mori, Kanako Nagai, Arimasa Matsumoto
Circular Polarized Light induced Circular Dichroism in Azobenzene and Stilbene Derivatives
- PB20** Akiko Sekine, Kazuki Takahashi, Hidehiro Uekusa, Takashi Ohhara
Direct Observation of Crystalline-State Asymmetric Photoisomerization of Cobaloxime Complexes by X-ray and Neutron diffraction
- PB21** Mizuki Kira, Yuta Shiga, Ayaka Matsumoto, Kenta Nakagawa, Kun Zhang, Koichi Tsutao, Yukana Terasawa, Takuya Nakanishi, Sota Sato, Satoshi Yoshida, Norio Shibata, Toru Asahi
Crystal Growth by Sublimation and Chiral Inversion of Thalidomide
- PB22** Takumi Inoue, Tsuneomi Kawasaki
Amplification of chirality by the sublimation of enantioenriched aminonitriles and cyanohydrins
- PB23** Chia Hsin Cheng, Yuichiro Watanabe, Kazuki Muro, Takashi Kajitani, Sadaki Samitsu, Kazunori Sugiyasu
Supramolecular plastic films fabricated by cholesterol-derived urethanes

- PB24** Carla Lorenzo, Félix Freire, Emilio Quiñoá
Dynamic P/M Supramolecular Aggregates from Chiral and Non-symmetric OPE Derivatives: Pathway Complexity
- PB25** Masaya Yoshida, Takehiro Hirao, Kyota Yasuda, Takuma Matsumoto, Shin-Ichi Tate, Martin Vacha, Takeharu Haino
Chiroptical response in supramolecular assemblies of isoxazole-equipped platinum(II) complex
- PB26** Hiromitsu Sogawa, Takato Mizukoshi, Fumio Sanda
Di- and Tri-Substituted Chiral Benzimidazolylbenzenes: Synthesis and Self-Assembling Behavior
- PB27** Naoyuki Hisano, Soichiro Koya, Takeharu Haino
Helically Organized Supramolecular Polymer Formed by Molecular Recognition of Chiral Bisporphyrin
- PB28** Yudai Ono, Nozomu Suzuki, Takehiro Hirao, Takeharu Haino
Chiral Nonlinear Effect in Supramolecular Polymerization of Hydrogen-Bonded Dimers with Tris(phenylisoxazolyl)benzenes
- PB29** Akito Tateyama, Takashi Nakanishi
Chiral Effect in Supercooling Behavior and Gelation of Alkylated-Carbazole Liquids
- PB30** Eun Gyu Lee, Jong Hwa Jung, Sung Ho Jung
Supramolecular Pathways and Chirality of Perylene Diimides
- PB31** Kayeong Go, Sung Ho Jung, Jong Hwa Jung
Helical Inversion of Thermally Controlled Chiral Supramolecular Polymers in Terpyridine based Metal Complexes
- PB32** Nanami Hano, Mako Otsuki, Kenji Kawamoto, Hirotaka Ihara, Makoto Takafuji
Chirality control of nanotubular supramolecular assemblies by polymer encapsulation
- PB33** Sehee Kim, Sung Ho Jung, Jong Hwa Jung
Controlling supramolecular copolymerization of alkynylplatinum(II) terpyridine complexes: from isodesmic to cooperative mechanisms
- PB34** Hua Zeng, Jie Zhang, Xinhua Wan
Molecular-weight-dependent self-assembly of poly(phenylacetylene) derivatives: From 2D to 3D
- PB35** Piyanan Pranee, Robin Hess, Wijak Yospanya, Emilie Pouget, Sylvain Nlate, Yann Ferrand, Thierry Buffeteau, Reiko Oda
Transmission of chirality from macroscopic scale to molecular level
- PB36** Matheus de Souza Lima Mendes, Gautier Duroux, Iryna Makarchuk, Sylvain Nlate, Reiko Oda, Benoit Pichon, Elizabeth Hillard, Emilie Pouget
Template-assisted chirality induction to magnetic nanoparticles using silica nanohelices: Towards new magneto-chirally responsive nanocomposites.
- PB37** Wijak Yospanya, Eloi Oda-Huc, Piyanan Pranee, Naoya Ryu, Yutaka Okazaki, Reiko Oda
Fabrication of Chiral Mesoscopic Silica Nanohelices: Revisiting The Mechanism And Scale-Up Syntheses

- PB38** Chenyuhe Yuan, Miyu Abe, Haoran Sun, Tomoyuki Ikai, Keitaro Eguchi, Hideyuki Murata
Achieving Circularly Polarized Electroluminescence by Sublimable Chiral Inducers
- PB39** Peiyao Yu, Xinhua Wan, Jie Zhang
Chiral Assemblies of Gold Nanorods induced by Poly(phenylacetylene)s
- PB40** Yuta Shiga, Kenta Nakagawa, Junhe Wang, Olga Guselnikova, Takuya Nakanishi, Yusuke Yamauchi, Toru Asahi
Optimization of electrodeposition conditions for chiral Au nanostructures on mesoporous Au films
- PB41** Alexander Sukhanov, Oleg Utesov, Artem Korshunov, Nikita Andriushin, Maksim Pavlovskii, Stanislav Nikitin, Anton Kulbakov, Kaustuv Manna, Claudia Felser, Alexei Bosak, Marein Rahn
Giant magnon-phonon coupling in antiferromagnet Mn₃Ge
- PB42** Filip Bandalewicz, Natalia Kowalska, Artur Le Hoang, Jakub Kowalski, Grzegorz Szczepaniak, Wiktor Lewandowski
Synthesis and surface modification of intrinsically chiral gold nanoparticles
- PB43** Yanan Wang, Xiao Shao, Nicholas A. Kotov
Redox Reconfiguration and Optical Modulation of Chiral Vanadium Oxide Nanoparticles
- PB44** Yanan Wang, Michal Sawczyk, Emine Sumeyra Turali-Emre, Nicholas A. Kotov
Reconfiguration of vanadium oxide nanoparticles into chiral oxovanadate for ATP-mimetic actin polymerization
- PB45** Jessica Q Ma, Minjeong Cha, Ji-Young Kim, Emine Sumeyra Turali-Emre, Nicholas A. Kotov
Graph-theoretical chirality measure and chirality–property relations for chemical structures with multiscale mirror asymmetries
- PB46** Emine Sumeyra Turali-Emre, Brendan Knittle, Nicole Sorensen, Scott J VanEpps, Nicholas A. Kotov
Chiral Ceria Nanoparticles as Potential Next-Generation Antibiotics
- PB47** Michael Paul Veksler, Jeffery Raymond, Tao Ma, David Fairhurst, Ravi Sharma, Nicholas A. Kotov
Tunable Light-Matter Interactions in Complex Perovskite Particles Templated by Nanostructured Assemblies with Multiscale Chirality
- PB48** Michael Paul Veksler, Aleksey Ruditskiy, Chandriker K. Dass, William Joshua Kennedy, Nicholas A. Kotov
Structural and Chemical Characterization of Chiral Hybrid Organic-Inorganic Perovskites by Vibrational Circular Dichroism
- PB49** Neha Dhiman, Gamal A. I. Moustafa, Kengo Kasama, Hiroshi Aoyama, Kyohei Kanomata, Harald Gröger, Shuji Akai
Synthesis of Axially Chiral Biaryls *via* Lipase-Catalyzed Dynamic Kinetic Resolution without Racemization Catalysts
- PB50** Fumi Takeda, Mayumi Kudo, Mamika Ogura, Yayoi Orihara, Minami Odagi, Kazuo Nagasawa, Aya Tanatani
Conformation and Catalytic Function of Chiral (*cis, cis*)-Diphenylurea Derivative

- PB51** Michal Kopyt, Michal Trynieszewski, Michal Barbasiewicz, Piotr Kwiatkowski
Enantioselective Organocatalytic Addition of Dialkyl Malonates to β -Arylethylene Sulfonyl Fluorides
- PB52** Yuri Katayama, Shun Tanabe, Harunobu Mitsunuma, Motomu Kanai
Catalytic Asymmetric Allylation of Aldehydes with Unactivated Alkenes
- PB53** Anna Nawachi, Takuma Togami, Hiroyuki Morimoto, Takashi Ohshima
Catalytic Enantioselective Friedel-Crafts Alkylation of Naphthols with *N*-Unprotected Ketimines
- PB54** Hinako Araki, Natsuki Saito, Anna Nawachi, Akira Yada, Hiroyuki Morimoto, Takashi Ohshima
Development of Asymmetric Decarboxylative Mannich-Type Reactions Using Machine Learning
- PB55** Donghyeon Lee, Ryo Shintani
Selective Synthesis of 4-Sila-4*H*-benzo[*d*][1,3]oxazines by Palladium-Catalyzed Intramolecular Hiyama Coupling
- PB56** Tomonori Yamawaki, Takeshi Yamamoto, Michinori Suginome
Screw-Sense Control of Carboxy-Substituted Achiral Helical Polymers by Chiral Amines for Catalytic Asymmetric Diels-Alder Reactions in Water
- PB57** Yusuke Matsumoto, Takaya Fujie, Takeshi Yamamoto, Michinori Suginome
Chirality-Switching of Dynamic Helical Polymer-Based Phosphoramidite Ligands for Copper-Catalyzed Asymmetric Synthesis
- PB58** Shota Nagasawa, Yudai Itagaki, Shogo Fujiki, Yusuke Sasano, Eunsang Kwon, Yoshiharu Iwabuchi
Diastereo- and Enantioselective Synthesis of Benzoxanthenones under Aerobic Chromium Catalysis
- PB59** Ryu Tadano, Takeshi Yasui, Yoshihiko Yamamoto
Enantioselective Synthesis of Trifluoromethylated Tertiary Benzhydrols via Hydrogen-Acceptor-Free Ir-Catalyzed Dehydrogenative C–H Silylation
- PB60** Keiji Yamada, Ryo Hashiyama, Takeshi Yasui, Yoshihiko Yamamoto
Cobalt/Organophotoredox Dual Catalysis-Enabled Enantioselective Desymmetrization of 1,6-Diyne Derivatives via Metallole-Mediated C(*sp*³)–H Activation
- PB61** Kotoko Makino, Shoichi Kiryu, Kohei Mori, Taku Miyazawa, Yuhei Kumagai, Kosuke Higashida, Masahiro Kojima, Tatsuhiko Yoshino, Shigeki Matsunaga
Chiral Paddle-wheel Diruthenium Complex for Catalytic Enantioselective Intermolecular Benzylic C–H Amination
- PB62** Kaito Morita, Nariyoshi Umekubo, Ken Tsutsumi, F. Wakita, Satoshi Yokoshima
Enantioselective Synthesis of Spirocyclic Azetidines via Michael Reaction and C-H Amination
- PB63** Yuto Furuki, Rento Kousaka, Serika Nagai, Kazuhiro Morisaki, Yoshihiro Sato
Reflexive Chirality Transfer: Chiral Ligand-Free Catalytic Enantioselective 1,3-Dipolar Cycloaddition of Amino Acid Schiff Base

- PB64** **Qiancheng Zhang, Qin Zhong, Jian Zhao**
Catalyst-free Propargylboration of Ketones with Allenyl-Bpins: Highly Stereoselective Synthesis of *tert*-Homopropargyl Alcohols Bearing Vicinal Stereocenters
- PB65** **May Yamamoto, Nobuhiro Kanomata**
Biomimetic Oxidation using a Hemithioacetal Substrate with Chiral NAD⁺/NADH Models
- PB66** **Kaito Kida, Yusuke Tokuhiro, Takeshi Nanjo, Yoshiji Takemoto**
Fragment Condensation of *N*-Chloropeptide for Divergent Synthesis of Unnatural Peptide Analogues
- PB67** **Yoe Matsuyuki, Nariyoshi Umekubo, Satoshi Yokoshima**
Synthetic Study of Melonine
- PB68** **Fumika Nakashio, Kengo Kasama, Mitsuha Uzu, Yuto Hashi, Takashi Okitsu, Takayuki Yakura**
Synthetic studies on antitrypanosome macrolide, actinoallolide A using stereoselective Rh-catalyzed reaction and oxidative lactonization as key steps
- PB69** **Haruki Kumagai, Ryosuke Kimura, Mari Ikeda, Yoichi Habata, Tomohiko Shirai, Shunsuke Kuwahara**
Synthesis of Oxyindole-Type Chiral Derivatizing Agents and Determination of the Absolute Configuration of Chiral Primary Amines
- PB70** **Hidetsugu Tabata, Kaoru Funaki, Hiromi Inyaku, Mizuki Mori, Tomohiko Tasaka, Hideyo Takahashi, Hideaki Natsugari, Tetsuta Oshitari**
Atropisomeric properties of 5*N*-benzoyl-1,5-benzodiazepin-2-ones: Substituent effects on rotation around the Ar–N(CO) axis
- PB71** **Yuuka Gotoh, Yoshino Kaneko, Yuka Takeuchi, Mari Ikeda, Yoichi Habata, Tomohiko Shirai, Shunsuke Kuwahara**
Reversible Chirality Inversion of *m*-Quaterphenyl-Aminoindanol Conjugates by Temperature Change
- PB72** **Debarghya Sarkar, Jarugu Narasimha Moorthy**
Dynamic Kinetic Locking of Pentahelical Dialdehydes with Chiral Amines: Emergence of Conformationally Tuned Chirality Induction
- PB73** **Kazuyoshi Takimoto, Hidetaka Yuge, Shinsuke Ishihara, Jan Labuta, Hisako Sato**
Formation of Switchable and Metastable Homochiral Coordination Dimer through Chiral Self-Sorting
- PB74** **Kenichi Hattori, Eiko Mieda, Satoshi Shinoda, Hiroyuki Miyake**
Helicity Inversion and Structure Contraction of Chiral Co(II) Complexes upon External Stimuli
- PB75** **Masahiro Ikeshita, Ayumu Kuroda, Seika Suzuki, Yoshitane Imai, Takashi Tsuno**
Controlling Circularly Polarized Luminescence Properties of Chiral Boron Difluoride Complexes Based on Dynamic Axial Chirality
- PB76** **Jusaina Eyyathiyil, Maho Kitahara, Seika Suzuki, Silvano Geremia, Yoshitane Imai, Neal Hickey, Pakkirisamy Thilagar**
Unravelling the Correlation between Continuous Chirality Measure and Circularly Polarized Luminescence of Chirally-tagged Naphthalimides

- PB77** Louis Alvar Minion, Jessica Wade, Giuliano Siligardi, Matthew J. Fuchter
Using Circularly Polarized Photoluminescence to investigate excited-state properties of chiral polyfluorenes
- PB78** Hikaru Kashima, Naoya Ryu, Wijak Yospanya, Reiko Oda, Makoto Takafuji
Synthesis of Perovskite Quantum Dots in Chiral Molecular Assembly Films and Induction of Circular Polarization Properties
- PB79** Mateusz Pawlak, Wiktor Lewandowski
Highly dissymmetric circularly polarized luminescence induced by liquid-crystalline nanotubes
- PB80** Anthony Boudier, Piyanan Pranee, Emilie Pouget, Sylvain Nlate, Dario Bassani, Reiko Oda
Induction of chiroptical properties on achiral organic molecules at different scale, from nanometric to millimetric size
- PB81** Toki Fujino, Raja Prema, Hisako Sato, Izuru Kawamura
Structural analysis of gramicidin A in organic solvents and in lipid membranes by vibrational circular dichroism spectroscopy
- PB82** Shinryu Isa, Toki Fujino, Raja Prema, Akira Naito, Hisako Sato, Izuru Kawamura
Structural analysis of supramolecular chirality in DFNKF amyloid fibrils derived from human calcitonin detected by VCD
- PB83** Takahiro Watanabe, Mikael Lindgren, Priyanka Swaminathan, Linnea Björk, Peter R. Nilsson, Hisako Sato, Tamotsu Zako
Chiral structural polymorphism analysis of insulin amyloid using chiroptical pentameric proteophenes
- PB84** Agnieszka Domagała, Szymon Buda, Małgorzata Barańska, Grzegorz Zajac
Recognition of structural alterations in peptides and proteins via ROA-CPL spectroscopy and Eu(III) probes
- PB85** Satoshi Hashimoto, Koichi Matsuo
Membrane Interaction Processes of α_1 -Acid Glycoprotein Revealed by Time-Resolved Vacuum-Ultraviolet Circular Dichroism
- PB86** Ryota Imaura, Koichi Matsuo
Spectroscopic and theoretical characterizations of salt effect on the membrane interaction of α -synuclein NAC region
- PB87** Tatsuki Haga, Koichi Matsuo, Masaya Yoshida, Takeharu Haino, Mohamed I.A. Ibrahim
Circular Dichroism Analysis of Calcium-Induced Self-Assembly in Alginate
- PB88** Neel Moudgal, Jessica Ma, Emine Sumerya Turali Emre, Nicholas A. Kotov
Evaluation of Pseudoscalar and Hausdorff Chirality Measures at Multiple Scales for Protein-Protein Interactions
- PB89** Akihiko Yamagishi, Sayako Inoué, Jun Koshoubu, Hisako Sato
Helical grooves on the surfaces of microtrichia in European Hornets as studied by SEM and microscopic VCD

