

December 20:

10:30–12:00 WCCU-SMA Poster Presentation

[Presentation time]

Odd Numbers: 10:30-11:15

Even Numbers: 11:15-12:00

P01 Magnetism of Nanographitic Carbon

○Seijun Kurosawa, Hirofumi Kanoh

P02 Synthesis of Nano Piezo Material and Its Properties

○Jun Akaiwa, Takumi Watanabe, Kengo Shimizu, Daiki Hoshi, Tomonori Ohba

P03 Revealing Phenomena of Hydrogen Migration on Edges of Carbon Materials

○Takaaki Togo, Yasuhiro Yamada, Satoshi Sato

P04 Structurally Controlled Sulfur-containing Carbon Materials

○Daiki Ishii, Yasuhiro Yamada, Satoshi Sato, Shingo Kubo

P05 Femtosecond Nonlinear Spectroscopic Study of Temperature

Dependent Intermolecular Vibrational Dynamics in Imidazolium-Based Ionic Liquids

○Shohei Kakinuma, Hideaki Shirota

P06 ^1H NMR Study of 7-Azaindole Dimerization in Phosphonium-Based Ionic Liquids.

○Kotaro Takahashi, Hideaki Shirota

P07 Individual Fluctuation of Supercritical Aqueous Solution of Hydrophobic Material

○Satoshi Shibuta, Keiko Nishikawa, Takeshi Morita

P08 Mixing State of the Aqueous Solution of Ionic Liquid [P4,4,4,4]CF₃COO

Near the Critical Point

○Ayako Nitta, Yoshikata Koga, Keiko Nishikawa, Takeshi Morita

P09 Extraction Separation of Rhodium, Palladium, and Platinum from Hydrochloric Acid Solutions Using a Protic Ionic Liquid

○Kanshi Kawahara, Shoichi Katsuta

- P10 Gibbs Energy of Transfer of Monovalent Inorganic Ions from Water to Hydrophobic Ionic Liquids
○Kazuki Ishibashi, Hiroharu Yukawa, Shoichi Katsuta
- P11 Interfacial Structure of SiO₂ Supported NiO Nanocluster and Its Promoting Effect for 1-Phenylethanol
○Takuro Sasaki, Nobuyuki Ichikuni, Takayoshi Hara, Shogo Shimazu
- P12 Development of PVP-stabilized Ni Nanoparticles; Removal Process of PVP Ligand and the Catalysis of Water Gas Shift Reaction
○Yuya Takeishi, Nobuyuki Ichikuni, Takayoshi Hara, Shogo Shimazu
- P13 Electrolytic Synthesis and the Synthesis Conditions of Metal-like Lustrous Films
○Dan Takamura, Katsuyoshi Hoshino
- P14 Photochemical Geometrical and Optical Isomerization Behaviors of Trisphenylpyrazolato Iridium(III) Complexes by Polarized Light Irradiation
○Miru Matsushita, Mei Sagou, Shiki Yagai, Takashi Karatsu, Takehiko Wada, Kousei Ueno, Hiroaki Misawa
- P15 Persistent Room Temperature Phosphorescence from Crystals of Carbazol Derivatives
○Yuta Jibu, Yuji Yoshikawa, Shiki Yagai, Takashi Karatsu
- P16 Supramolecular Polymer Exhibiting Amyloid-like Behavior
○Kengo Wakita, Shiki Yagai
- P17 Polymorph of Self-assembled Nanostructures of Amphiphilic Perylene Bisimide Dyad by Competition of Multiple Interactions
○Mutumi Ogasawara, Shiki Yagai
- P18 Photo-responsive Mechanochromic Luminescence Materials
○Takuji Kobayashi, Shiki Yagai

- P19 Photocontrol over Self-assembly of Supramolecular Disk
○Norimichi Kanao, Mitsuaki Yamaguchi, Takashi Karatsu, Shiki Yagai
- P20 Helical Aggregation of Flexible Perylene Bisimide Dyad
○Ryunosuke Shimadzu, Takashi Karatsu, Shiki Yagai
- P21 Exploration of Photo-triggered Inversion of Supramolecular Chirality
○Daisuke Inoue, Mitsuaki Yamauchi, Takashi Karatsu, Shiki Yagai
- P22 Crystal Structures of Iodoisoquinolinium Salts with a Halogen Bonding
Shoji Matsumoto, ○Shu Kikuchi, Motohiro Akazome
- P23 Crystal Structures of Cyclic and Spherical Aromatic Amides
○Hyuma Masu, Yuto Hirayama
- P24 Chiral Tin Alkoxide-Catalyzed Asymmetric α -Amination of Alkenyl Esters
○Yoshiki Yamashita, Moe Horiguchi, Kazuki Ida, Akira Yanagisawa
- P25 Regio- and Stereoselective Hydrocyanation of Allenes and Its Application to Alkaloid Synthesis
○Koki Matsumoto, Yuka Amako, Shigeru Arai, Atsushi Nishida
- P26 Cyclization Using Alkene and Acylphosphonate Under Co Catalysis
○Hiroto Hori, Shigeru Arai, Atsushi Nishida
- P27 Enantioselective Synthesis of Metallocene-Fused Planar-Chiral 4-Dialkylaminopyridine Derivatives and Their Applications
○Ryosuke Kimura, Qiang Liu, Shiro Wada, Masamichi Ogasawara
Kazuhiro Yoshida
- P28 Development of Planar Chiral Six-Membered Cyclic (Amino)(ferrocenyl)carbene Ligands
○Masaru Miyauchi, Risa Yasue, Kazuhiro Yoshida
- P29 Nitroxyl-Radical-Catalyzed Oxidative Coupling of Amides with Silylated

Nucleophiles through N-Halogenation

○Masako Kuramochi, Hideo Togo, Katsuhiko Moriyama

P30 *exo*-Selective Asymmetric [3+2] Cycloaddition of α -Iminoester with Nitroalkene
Catalyzed by Imidazoline-proline-copper Complex

○Takuya Shimada, Chihiro Tokumitsu, Ayaka Fujiwara, Takayoshi Arai

P31 Chiral Bis(imidazolidine)-consisting NCN Pincer Rhodium Complex for Catalytic
Asymmetric Mannich Reaction of Malononitrile with Isatin-derived Ketimines

○Takuya Tosaka, Takuma Moribatake, Takayoshi Arai

P32 Preparation and Transformations of 1-Allyloxy-2-ethynylbenzene Derivatives for
Synthesis of Oxygen-containing Heterocyclic Compounds

○Kohei Watanabe, Takashi Mino, Yasushi Yoshida, Masami Sakamoto

P33 Asymmetric Control of Isoindolinone Derivatives Using Chiral Optical Vortices

○Haruna Shimobayashi, Hiroki Ishikawa, Yasushi Yoshida, Takashi Mino
Masami Sakamoto, Takashige Omatsu

P34 Synthesis and Application of P,Olefin Type Chiral Ligands Using Chiral Amines
as Chiral Sources

Takashi Mino, ○Junpei Youda, Toshibumi Ebisawa, Hironori Saito
Junya Tanaka, Yasushi Yoshida, Masami Sakamoto

P35 Development of Easily Tunable Chiral Hypervalent Iodine(V) Reagents

○Akina Magara, Yasushi Yoshida, Takashi Mino, Masami Sakamoto

P36 Asymmetric Dearomatization of Phenols using Silver-Carbenoid Species

○Hiroki Nakayama, Shingo Harada, Tetsuhiro Nemoto

P37 Identification of Accelerators on Na⁺-depending ATPase Activity of
Enterococcus Hirae V-ATPase

○Senka Gi, Fabiana Lica Yakushiji, Takayoshi Arai, Katsuhiko Moriyama
Hideo Togo, Takeshi Murata

- P38 Silicon Nitride Chips Modified with Gb3 Trisaccharide for Rapid Detection of Verotoxins in Foods
○Daiki Tanaka, Hirotaka Uzawa, Yuki Oba, Yasuo Seto, Kenichi Tayama
Toshio Yoshida, Yoshihiro Nishida
- P39 Stereoselective Glycosylation Using Glycosyl Acceptor Carrying Thioether Groups
○Masaki Kobayashi, Yoshihiro Nishida, Hirofumi Dohi
- P40 Chemical Glycosylation Using (o-Formyl)phenyl 1-thioglycosides
○Hidetoshi Sakai, Haruka Komuro, Yoshihiro Nishida, Hirofumi Dohi
- P41 Synthesis of Rocaglamide Derivatives and Evaluation of Their Wnt Signal Inhibitory Activities
Midori A. Arai, ○Yuuki Tanaka, Yuuki Kofuji, Takumi Syono, Kazuki Yamaku
Masami Ishibashi
- P42 Synthesis of Hes1 Homodimer Inhibitors Accelerating Differentiation of Neural Stem Cells
Midori A. Arai, ○Yumi Yamaguchi, Naoki Ishikawa, Masami Ishibashi
- P43 Cobalt-Catalyzed Prins Cyclization with the Construction of a Tetrasubstituted Carbon
○Haruka Homma, Shinji Harada, Atsushi Nishida