

## Poster Presentations

- P-01 Sequential Vinyl Radical Cyclization - Fixation of Carbon Dioxide under Electroreductive Conditions**  
Asahi Katayama, Hisanori Senboku and Shoji Hara
- P-02 Copper(I)-Catalyzed Asymmetric Borylation of Aldehydes**  
Koji Kubota, Eiji Yamamoto and Hajime Ito
- P-03 Cu(I)-Catalyzed Enantioselective Synthesis of Linear or Carbocyclic  $\alpha$ -Chiral (E)- $\gamma$ -Alkoxyallylboronates**  
Yuta Takenouchi, Eiji Yamamoto and Hajime Ito
- P-04 Ir(I)/Me-BIPAM-Catalyzed Enantioselective Intramolecular Direct Hydroarylation of  $\alpha$ -Keto Amides**  
Tomohiko Shirai, Hajime Ito and Yasunori Yamamoto
- P-05 Ruthenium-Catalyzed Addition of Arylboronic Acids to Benzofuran-2,3-diones for Enantioselective Synthesis of 3-Aryl-3-hydroxybenzofuran-2-ones**  
Masaaki Yohda, Hajime Ito and Yasunori Yamamoto
- P-06 Asymmetric Conjugate Cyanation of  $\alpha,\beta$ -Unsaturated Carboxylic Acid Derivatives Catalyzed by the Ruthenium Complex/Lithium Compound Combined Systems**  
Yusuke Sakaguchi, Nobuhito Kurono and Takeshi Ohkuma
- P-07 Copper-Catalyzed Stereodivergent Coupling Reactions between Chiral Allylic Phosphates and Alkylboranes**  
Kazunori Nagao, Hirohisa Ohmiya, Seiji Mori and Masaya Sawamura
- P-08 Control of Catalytic Environment of Transition-Metal Complexes with Threefold Cross-Linked Polystyrene-Phosphine Hybrids**  
Tomoya Harada, Hajime Shimada, Tomohiro Iwai and Masaya Sawamura
- P-09 Heteroatom-directed C(sp<sup>3</sup>)-H Borylations with a Silica-supported Monophosphine-Ir Catalyst**  
Ryo Murakami, Tomohiro Iwai and Masaya Sawamura
- P-10 Copper-Catalyzed  $\gamma$ -Selective and Stereospecific Direct Allylic Alkylation of Terminal Alkynes**  
Yurie Takayama, Yusuke Makida, Hirohisa Ohmiya and Masaya Sawamura
- P-11 Preparation and Properties of 2,2'-Diarylethenyl Perfluorobiphenyl-type Electron Donors that Exhibit Dynamic Redox Behavior**  
Hitomi Tamaoki, Ryo Katoono, Kenshu Fujiwara and Takanori Suzuki
- P-12 Electrochiroptical Systems Based on Helically Deformed *ortho*-Quinodimethane Skeleton**  
Yuto Sakano, Takanori Suzuki, Tomohiro Iwai, Shinichi Iwashita, Youhei Miura, Ryo Katoono, Hidetoshi Kawai and Kenshu Fujiwara

- P-13 Expandability of Ultralong C-C Bond in Unsymmetrically Substituted 1,1,2,2-Tetraarylpyracenes**  
Yasuto Uchimura, Takashi Takeda, Ryo Katoono, Hidetoshi Kawai, Kensyu Fujiwara and Takanori Suzuki
- P-14 Synthetic Studies on the ABCDEF-Ring of Ciguatoxin-3C**  
Kenshu Fujiwara, Takuto Sato, Yoshitaka Nomura, Ryo Katoono and Takanori Suzuki
- P-15 Adsorption Mechanism of Cellulosic Molecules on Carbons**  
Mizuho Yabushita, Hirokazu Kobayashi, Jun-ya Hasegawa, Kenji Hara and Atsushi Fukuoka
- P-16 High-Density Immobilization of Metal Complexes on Organic Ligands in Periodic Mesoporous Organosilicas**  
Nobuhiro Ishito, Kenji Hara, Wang Jae Chun, Yoshifumi Maegawa, Shinji Inagaki and Atsushi Fukuoka
- P-17 Synthesis and Structure of Chiral Fluorene-Based Polymers for Circularly Polarized Emission**  
Kento Watanabe, Yasuhito Koyama and Tamaki Nakano
- P-18 Photo-induced Helix-helix Transition of An Optically Active Polystyrene Derivative**  
Yue Wang, Yasuhiro Koyama, Jiro Kumaki, Xinhua Wan and Tamaki Nakano
- P-19 Synthesis and Structure of Conjugated Polymers Having 1,10-Phenanthroline Units in the Main Chain**  
Weixi Yang, Yasuhito Koyama and Tamaki Nakano
- P-20 Toward Catalytic Liquid Crystals: Organized Supramolecular Structure Formation of Chiral Cyclic Oligomers**  
Prashant Gudeangadi, Yasuyuki Sekiguchi, Yasuhito Koyama and Tamaki Nakano
- P-21 A Synthetic Study of (1→2)-β-D-Glycopyranan via Ring-Opening Polymerization of Cyclic Sulfite**  
Sangeetha S. Shetty, Yasuhito Koyama and Tamaki Nakano
- P-22 Hydrogen-Transfer Dehydration between Alcohols over V<sub>2</sub>O<sub>3</sub> and MoO<sub>2</sub> for the Co-Formation of Corresponding Alkanes and Aldehydes**  
Yoichi Nakamura, Toru Murayama and Wataru Ueda
- P-23 Synthesis of New Polyoxometalate-based Octahedral Molecular Sieves for Selective Molecule Adsorption**  
Zhenxin Zhang, Toru Murayama, Masahiro Sadakane and Wataru Ueda
- P-24 The Influence of Water on the Selective Oxidation of Acrolein to Acrylic Acid over Crystalline Mo-V(-W)-O Complex Oxide**  
Chuntian Qiu, Satoshi Ishikawa, Toru Murayama and Wataru Ueda
- P-25 Hydrothermal Synthesis of W-V-Sb-O Complex Oxide and These Propane Ammoxidation Properties**  
Yoshinori Goto, Toru Murayama and Wataru Ueda

- P-26 Direct Synthesis of Benzimidazoles and Quinazolines by Acceptorless Dehydrogenative Coupling of Diamines and Alcohols/Aldehydes by Heterogeneous Pt Catalysts**  
Chandan Chaudhari, S.M.A. Hakim Siddiki and Ken-ichi Shimizu
- P-27 Versatile and Sustainable Synthesis of Cyclic Imides from Dicarboxylic Acids and Amines by Nb<sub>2</sub>O<sub>5</sub> Catalyst**  
Md. Ayub Ali, S.M.A. Hakim Siddiki, Ken-ichi Shimizu
- P-28 Heterogeneous Pt-Catalyst for Acceptorless Dehydrogenative Self-Coupling of Primary Alcohols to Esters**  
Sondomoyee Konika Moromi, S.M.A. Hakim Siddiki, Ken-ichi Shimizu
- P-29 Axial Chirality Induction by Molecular Recognition and Chiral Transfer through One-way Photoisomerization**  
Kazuma Yanai and Shin-ichiro Sato
- P-30 High Purification of Organic Solution by Pervaporation with MTW Type Zeolite Membrane**  
Yaqi Zhang, Aya Hirata, Yuta Nakasaka, Teruoki Tago and Takao Masuda
- P-31 Synthesis and Characterization of Ferrosilicate with MTW Structure**  
Taichi Taniguchi, Yuta Nakasaka, Teruoki Tago and Takao Masuda
- P-32 Production of Light Oil by Cracking of Heavy Oil with TiO<sub>2</sub>-ZrO<sub>2</sub> Catalyst under a Superheated Steam**  
Hisaki Kondoh, Kumiko Tanaka, Yuma Takeda, Yuta Nakasaka, Teruoki Tago, and Takao Masuda
- P-33 Selective Formation of β,β-dimethylnaphthalene by Methylation of 2-methylnaphthalene over MTW-type Zeolite Catalyst**  
Gaku Watanabe, Taichi Taniguchi, Yuta Nakasaka, Teruoki Tago and Takao Masuda
- P-34 Synthesis of Resorcinol-Formaldehyde Carbon Gel Monolith with a Hierarchical Pore System**  
Takeshi Mori, Takanori Tsuchiya, Shinichiro Iwamura, Isao Ogino and Shin R. Mukai
- P-35 Silica Microhoneycomb Supporting Heteropoly Salts for Continuous Cesium Separation**  
Seiichiro Yoshida, Yoshinao Kimura, Isao Ogino and Shin R. Mukai
- P-36 Hydrogenation of Benzyl Cyanide in a Pressurized CO<sub>2</sub>-water-organic Solvent System**  
Ashvini Bhosale, Shin-ichiro Fujita and Masahiko Arai
- P-37 Systematic Exploration of Reaction Mechanisms for Base-Mediated Borylation with Silylborane Method**  
Ryohei Uematsu, Eiji Yamamoto, Satoshi Maeda, Hajime Ito and Tetsuya Taketsugu
- P-38 Theoretical Study on Non-Adiabatic Transitions in Photoisomerization of *Cis*-Azobenzene**  
Yusuke Kondo, Takao Kobayashi, Takeshi Noro, Yu Harabuchi, Satoshi Maeda and Tetsuya Taketsugu
- P-39 Enhancement of Electron Transfer through Cobalt-Porphyrin-Modified Monolayers**  
Shino Sato, Kei Murakoshi and Katsuyoshi Ikeda

- P-40 Ligand Variation Effects on Photophysical Characteristics of Novel Tricarbonyl Rhenium(I) Complexes with Arylborane Charge Transfer Units**  
Yuanyuan Kang, Akitaka Ito, Eri Sakuda and Noboru Kitamura
- P-41 Nano-crystallization of Photosensitizing Frameworks Based on Ru(II)-complex Ligands**  
Erika Saitoh, Atsushi Kobayashi and Masako Kato
- P-42 Surface Ligands Dependence of Photocatalytic Hydrogen Evolution Ability of a Combined System of 3d Metal Complex Catalysts and Photosensitizing Quantum Dots**  
Kana Sawaguchi, Atsushi Kobayashi and Masako Kato
- P-43 Modifying the Physical Properties of Anion Radical Salts by Carrier Doping with F<sub>4</sub>TCNQ**  
Hiroyuki Kubota, Yukihiro Takahashi, Hiroyuki Hasegawa, Jun Harada and Tamotsu Inabe
- P-44 Transfer Characteristics of Organic Transistors with Using Organic Crystal which Has Two Structural Phase Transitions**  
Seiya Yokokura, Yukihiro Takahashi, Hiroki Nonaka, Hiroyuki Hasegawa, Jun Harada, Tamotsu Inabe and Hiroshi Okamoto
- P-45 Fabrication of Size-Controllable 3D Gold Nanoparticle Sphere Assemblies Using Carbohydrate Derived Fluorinated Surface Ligands**  
Jinjian Wei, Kenichi Niikura, Hideyuki Mitomo and Kuniharu Ijiri
- P-46 RNase H-encapsulated Virus-like Particles for Sequence-specific RNA Degradation**  
Naotoshi Sugimura, Kenichi Niikura, Kyoji Hagiwara, Hideyuki Mitomo, Hirofumi Sawa and Kuniharu Ijiri
- P-47 Carbon Nano Popcorns Formed by "Doping" C<sub>60</sub> into Diamond-like Carbon**  
Wei Xie, Aiko Kawahito, Takashi Yanase, Taro Nagahama and Toshihiro Shimada
- P-48 Fine Structure Formation on Glass Surface Using Electrical Imprint Method**  
Takahiro Misawa, Naoki Ikutame, Daisuke Sakai, Taro Abe, Hideo Kaiju and Junji Nishii
- P-49 Electrocodeposition of Al-Zn Layer by Using Double Counter Electrodes Method**  
Yusuke Sato and Kazuhisa Azumi
- P-50 Effects of Nano Coatings on High Temperature Oxidation Kinetics of NiAl Alloy**  
Ali Shaaban, Shigenari Hayashi and Kazuhisa Azumi
- P-51 Removal of Fluoride Species from the Porous Anodic Oxide-Polypyrrole Composite Coating on Iron**  
Yoshiki Konno, Etsushi Tsuji, Yoshitaka Aoki, Toshiaki Ohtsuka and Hiroki Habazaki
- P-52 Effect of Sweep Rate on Formation of Nanostructured Iron Oxide Films under Potentiodynamic Anodizing**  
Khurram Shahzad, Etsushi Tsuji, Yoshitaka Aoki, Shinji Nagata and Hiroki Habazaki
- P-53 Reduction of Ag<sub>2</sub>S-microelectrode as Sulfide Ion Generator**  
Jun-Seob Lee, Koji Fushimi, Takayuki Nakanishi and Yasuchika Hasegawa
- P-54 Remarkable Faraday Effects of EuS-Au Nanosystems**  
Akira Kawashima, Takayuki Nakanishi, Tamaki Shibayama, Seiichi Watanabe, Koji Fujita, Katsuhisa Tanaka, Hitoshi Koizumi, Koji Fushimi and Yasuchika Hasegawa

- P-55 Effect of Metallographic Structure on Electrochemical Oxidation of Pure Iron**  
Yu Takabatake, Koji Fushimi, Takayuki Nakanishi and Yasuchika Hasegawa
- P-56 Controlling the Direction of Microtubule Collective Motion by the Application of Mechanical Stimuli**  
Daisuke Inoue, Kazuki Sada and Akira Kakugo
- P-57 Preparation of Polyhedral Polymer Gels from Metal-Organic Frameworks as Templates**  
Takumi Ishiwata, Kenta Kokado and Kazuki Sada
- P-58 Preparation of Metal-Organic Framework with Fractal Surface**  
Shunjiro Nagata, Hiroki Sato, Kouta Sugikawa, Kenta Kokado and Kazuki Sada
- P-59 Establishment of an *In Vitro* Motility System for Observing the Treadmilling and Elongation of Microtubules by TIRF Microscopy**  
Md. Sirajul Islam, Daisuke Inoue, Arif Md. Rashedul Kabir, Kazuki Sada and Akira Kakugo
- P-60 Development of Mass Storage and Transportation System through the Use of MOF and Molecular Motors**  
Masaki Ito, Shizuka Anan, Takumi Ishiwata, Akira Kakugo and Kazuki Sada
- P-61 Preparation of Nanosized Metal and Metal Oxide Particles by Utilizing Liquid Metal**  
Shinya Sudo, Kenta Kokado and Kazuki Sada
- P-62 “Reverse” Amphiphiles Having an Ion Pair as a Hydrophobic Site**  
Taihei Yamada, Kenta Kokado and Kazuki Sada
- P-63 Effect of Deformation of Microtubule on Kinesin-based Cargo Transportation *In Vitro***  
Tanjina Afrin, Arif Md. Rashedul Kabir, Daisuke Inoue, Kazuki Sada and Akira Kakugo
- P-64 Enhancing Pd Biomineralization Through Manipulation of Peptide Spatial Orientation and Buffer Selection**  
Jose Isagani B. Janairo, Tatsuya Sakaguchi and Kazuyasu Sakaguchi
- P-65 Overexpression of Protein Phosphatase PPM1D Increases Nucleoli through Regulating Phosphorylation of Nucleolar Protein**  
Yuuki Kozakai, Hiroaki Yagi, Yoshiro Chuman and Kazuyasu Sakaguchi
- P-66 Effects of Oligomerization and Orientation of Biomineralization Peptides on Formation and Structure of Silver Nanoparticles**  
Tatsuya Sakaguchi, Jose Isagani B. Janairo, Yoshiro Chuman and Kazuyasu Sakaguchi
- P-67 Changes of Structural Stability of p53 Tetramerization Domain By Arginine Methylation**  
Junya Wada, Rui Kamada, Toshiaki Imagawa and Kazuyasu Sakaguchi
- P-68 Effects of P53-Inducible Phosphatase PPM1D Inhibitors on Cancer Cell Proliferation**  
Yuhei Kiyota, Yoshiro Chuman, Sari Ogasawara, Fumihiko Yoshimura, Keiji Tanino and Kazuyasu Sakaguchi
- P-69 Conformational Gating for Electron Transfer Reaction from Cytochrome *c* to Cytochrome *c* Oxidase in Mitochondrial Respiratory Chain**  
Mizue Imai, Takeshi Uchida, Kyoko Shinzawa-Ito, Shinya Yoshikawa and Koichiro Ishimori

- P-70**     **VCA0998 Is a Reductase for Heme Degradation by HutZ in *Vibrio Cholerae***  
Yukari Sekine, Koichiro Ishimori and Takeshi Uchida
- P-71**     **Characterization of the Heme Effect on the Interaction between Iron Regulatory Protein (IRP) and Targeted mRNA**  
Yuta Watanabe, Yukiko Takeda, Takeshi Uchida, Kazuhiro Iwai and Koichiro Ishimori
- P-72**     **Functional Analysis of H3K36 Methyltransferase Set2 for Heterochromatic Silencing in *Schizosaccharomyces Pombe***  
Shota Suzuki, Atsushi Shimada, Shinya Takahata and Yota Murakami
- P-73**     **Myosin II Isoforms Play Distinct Roles in Maintenance of Migratory Polarity of Normal Fibroblast**  
Masahiro Kuragano, Yota Murakami and Masayuki Takahashi
- P-74**     **A Novel Splicing Related Factor Dog1 Contributes Gene Silencing in the Heterochromatin.**  
Takahiro Asanuma, Atsushi Shimada, Tomohiro Mastumoto, Yota Murakami
- P-75**     **Functional Analysis of Non-coding RNA which Transcribed within Kinetochore Domain at Fission Yeast Centromere**  
Miyuki Mori, Shinya Takahata and Yota Murakami
- P-76**     **A JmjC Domain-Containing Protein Epe1 Is Required for Maintenance of Epigenome**  
Masato Sorida, Atsushi Shimada, Takahiro Hirauchi, Yuji Chikashige, Shinya Takahata and Yota Murakami
- P-77**     **Detection of Cat Cystatine C Using Microfluidic Devices**  
Saeed Mohammadi, Akihiko Ishida, Hirofumi Tani and Manabu Tokeshi
- P-78**     **Total Biosynthesis of Bioactive Fungal Natural Products**  
Ryuya Fujii, Takahiro Ugai, Koichi Tagami, Ryota Chiba, Atsushi Minami, Katsuya Gomi and Hideaki Oikawa
- P-79**     **Synthetic Studies on Azadirachtin**  
Kentaro Sakurai, Daisuke Nakagawa, Shuuhei Oosaka, Masaaki Miyashita and Keiji Tanino
- P-80**     **Exploratory Studies on New Hatching Agents of Potato Cyst Nematodes**  
Masaru Iwakura, Takashi Narabu and Keiji Tanino
- P-81**     **Synthesis of  $\alpha,\omega$ -End-functionalized Poly(*n*-butyl acrylate)s by Group Transfer Polymerization Using Functional Initiators and Terminating Agents**  
Kenji Takada, Naoya Kubota, Takahiro Ito, Yougen Chen, Toshifumi Satoh and Toyoji Kakuchi
- P-82**     **Thermoresponsive Properties of Star-shaped Polyacrylamide Prepared by Core-First Group Transfer Polymerization**  
Seiya Kikuchi, Yougen Chen, Shin-ichiro Sato and Toyoji Kakuchi
- P-83**     **Enzymatic Characterization of a Polymer Degrading Enzyme from an Isolated Bacterium**  
Jian Sun, John Nduko, Ken'ichiro Matsumoto, Toshihiko Ooi and Seiichi Taguchi

- P-84 Increase of Type 2 Collagen Accumulation in Cartilage-like Cell Sheet Derived from Bone Marrow Mesenchymal Stem Cells**  
Yasushi Sato, Shigeyuki Wakitani and Mutsumi Takagi
- P-85 EPLIN Is a Crucial Regulator for Extrusion of RasV12-transformed Cells**  
Atsuko Ohoka and Yasuyuki Fujita
- P-86 Interaction between Normal and Transformed Epithelial Cells through Endocytosis**  
Sayaka Saitoh and Yasuyuki Fujita
- P-87 Search for Proteins that Specifically Function at the Boundary between Normal and RasV12-transformed Epithelial Cells**  
Yuta Yako and Yasuyuki Fujita
- LP-01 Synthesis of Janus Gold Nanoparticles with Hydrophobic/Hydrophilic Faces and their Self-assembly**  
Ryo Iida, Kenichi Niikura, Hideyuki Mitomo and Kuniharu Ijiro
- LP-02 Copper(I)-Catalyzed Intramolecular Borylative *exo*-Cyclization of Alkenyl Ketones**  
Ryoto Kojima, Eiji Yamamoto, Koji Kubota, and Hajime Ito
- LP-03 Resistive Switching Behavior of Amorphous GaOx Thin Films Prepared by Sputtering Process**  
Chiharu Kura, Yoshitaka Aoki, Etsushi Tsuji and Hiroki Habazaki
- LP-04 Random Dynamics of Non-expanding Linear Maps**  
Fumihiko Nakamura
- LP-05 Evaluation of the Density of Electron Traps in Titanium(IV) Oxide Powders by Double-Beam Photoacoustic Spectrum Analysis**  
Akio Nitta, Mai Takase and Bunsho Ohtani
- LP-06 Multistructural Effects on the Reaction Kinetics: A Case Study on the *n*-Alkanes with OH Radicals**  
Yosuke Sumiya, Satoshi Maeda and Tetsuya Taketsugu
- LP-07 Super-Structure Formation of Rigid Fiber-Forming Molecules by Anisotropic Swelling**  
Riku Takahashi, Zi Liang Wu, Md. Ariffuzzaman, Takayuki Nonoyama, Tasuku Nakajima, Takayuki Kurokawa and Jian Ping Gong
- LP-08 Analysis of p53 Mutation for Dominant Negative Effect in Transcriptional Activity**  
Yu Toguchi, Madoka Kanno, Toshiaki Imagawa and Kazuyasu Sakaguchi
- LP-09 Heterogeneous Dissolution of Dual Phase Carbon Steel in Sulfuric Acid**  
Kei Yanagisawa, Koji Fushimi, Takayuki Nakanishi and Yasuchika Hasegawa
- LP-10 A Novel Heptanuclear [Core+*exo*]-type Gold Cluster with A Single *exo* Gold Atom**  
Mingzhe Zhang, Yutaro Kamei, Yukatsu Shichibu, Katsuaki Konishi
- LP-11 Synthesis of A<sub>n</sub>B<sub>m</sub>-type Miktoarm Star Copolymers Consisting of Oligosaccharide and Polystyrene**  
Yao Zhang, Takuya Isono, Kenji Tajima, Toyoji Kakuchi and Toshifumi Satoh