

Poster Session I

September 28 (Sat), 15:30-17:00

【Inorganic/Analytical/Environmental Chemistry】

1P001 Structure and Electronic Properties of Solution Processable Organic-Inorganic Copper based Perovskites

○Giancarlo Lorena, Tsuyoshi Osaki, Hiroyuki Hasegawa, Yukihiro Takahashi, Jun Harada, Tamotsu Inabe

1P002 Supercritical Hydrothermal Synthesis and Applications of Metal Oxide Nanocrystals Exposing High-Energy Facets

○Yuanzheng Zhu, Takio Noguchi, Daisuke Hojo, Nobuaki Aoki, Seiichi Takami, Tadafumi Adschiri

1P003 Tb(III) Ion Motion in Preyssler-type Polyoxometalate

○Chisato Kato, Sadafumi Nishihara, Ryo Tsunashima, Yoko Tatewaki, Katsuya Inoue

1P004 Effects of Nonmagnetic and Magnetic Substitution on the Property of an Iron Mixed-Valence Complex, $(n\text{-C}_3\text{H}_7)_4\text{N}[\text{Fe}^{\text{II}}\text{Fe}^{\text{III}}(\text{dto})_3]$ ($\text{dto} = \text{C}_2\text{O}_2\text{S}_2^{2-}$)

○hiromichi ida, Michikazu Inaba, Akihiro Sakaki, Hiroki Oshio, Atsushi Okazawa, Norimichi Kojima, Masaya Enomoto

1P005 Synthesis and Physical Properties of Several Tetrathiafulvalene Derivatives with Side Chains Composed of Chiral and Hydrogen-Bonding Substituents

○Masaki Kikuchi, Kei Mizuguchi, Takanori Watanabe, Koji Watanabe, Yoko Tatewaki, Shuji Okada

1P006 Hybrid Polyoxometalate Ligands in Functional Transition Metal Complexes

○Graham N. Newton, Tomoya Fukui, Hiroki Oshio

1P007 Determination of thiocyanate ions in human saliva samples using sequential injection analysis with a microfluidic polymer chip with an embedded ion-selective electrode detector

○Takashi Masadome, Benjaporn Tossanaitada

1P008 Synthesis and property of tetranuclear mixed-metal clusters $[\text{Ru}_3(\text{cymene})_3\text{Ag}(\text{L})(\mu\text{-H})_3(\mu_3\text{-O})](\text{PF}_6)_2$ (L = two-electron donor)

○Yukiko Kato, Yuhei Tsukahara, Masaaki Okazaki

1P009 Semi-stabilized $[\text{CCH}]^+$ subunit on the tetrairon core. Its reactivity toward acetonitrile and isonitriles as Lewis acid

○Wataru Taniwaki, Masaaki Okazaki

1P010 Synthesis, structure, and reactivity of $(\eta^5\text{-C}_5\text{Me}_5)\text{TiCl}_2(\text{NRSiMe}_2\text{H})$ (R = CMe₃, Ph). Transient formation of silaimine-coordinated complexes

○Shoya Ebina, Masaaki Okazaki

1P011 Synthesis, structure, and reactivity of oxido-bridged titanium-rhodium polynuclear clusters

○Tetsuaki Oguro, Masaaki Okazaki

1P012 Thermolysis of $[\text{Ru}_3(\text{cymene})_3(\mu\text{-H})_3(\mu_3\text{-O})](\text{PF}_6)$ in acetonitrile. Characterization of the products

○Satoshi Kaneko, Masaaki Okazaki

1P013 Adsorption and antibacterial activity of shell powder

○Hiroki Kawata, Takayuki Kuwashima, Junichi Yasuoka

1P014 Effect of ligand basicity on electrochemically induced linkage isomerization in 2-mercaptopyridine-ruthenium complexes

○Tomohiko Hamaguchi, Yoshimasa Inoue, Miho Kaneko, Isao Ando

1P015 Structural changes of tetrairon cores possessing two isonitriles as bridging ligands. Reactivities of these clusters

○Naotsugu Kudo, Masaaki Okazaki

1P016 Activation of tertiary amines and dialkyl ether at a cationic [CCH] subunit on the tetrairon core

○Masakazu Nishiya, Masaaki Okazaki

1P017 Mononuclear copper (I)-halide complexes with highly luminescence and tunable emission color

○Hiroki Ohara, Atsushi Kobayashi, Masako Kato

1P018 Photoinduced Hydrogen Evolution by Combined Systems of 3d Metal Complex Catalysts and Photosensitizing Quantum Dots

○Kana Sawaguchi, Masanori Ebina, Atsushi Kobayashi, Masako Kato

1P019 Corrosion resistance of Ti-6Al-4V alloy in surface treatment using an oxygen glow-discharge plasma to suppress the elution of toxic elements into physiological environment

○Kozue Satoh, Shigeo Sato, Kazuaki Wagatsuma

1P020 Synthesis, Structures and Properties of Carbonato-Bridged Copper (II) Complexes

○Xiao Zhang, Sadafumi Nishihara, Katsuya Inoue

1P021 Halogen Substitution Effect in Soluble Tin-Halide Perovskites

○Hiroyuki Hasegawa, Tsuyoshi Osaki, Giancarlo S. Lorena, Yukihiro Takahashi, Jun Harada, Tamotsu Inabe

1P022 Two photon absorption property of a novel quinacridone derivative

○Hiroyuki Sugihara, Makoto Tominaga, Koichiro Satomi, Seiji Tani, Yasutaka Suzuki, Jun Kawamata, Takashi Takeda, Tomoyuki Akutagawa

1P023 Structural Changes and Physical Properties of Copper(II) Complex by Pyridine Chemisorption

○Kiyonori Takahashi, Norihisa Hoshino, Shin-ichiro Noro, Takayoshi Nakamura, Tomoyuki Akutagawa

- 1P024 Structural Phase Transition and Dielectric Properties of Dibromiodomesitylene
○Jun-ichi Ichikawa, Norihisa Hoshino, Takashi Takeda, Tomoyuki Akutagawa
- 1P025 Crystal Structure and Physical Properties of Triangular Platinum(II) Complex
○Sena Fujita, Norihisa Hoshino, Takashi Takeda, Tomoyuki Akutagawa
- 1P026 Crystal Structures and Correlations Between the Electron-Transfer and Ion-Recognition in Quinone- and Hydroquinone-Fused [18]crown-6
○Takayuki Kobayashi, Takashi Takeda, Norihisa Hoshino, Tomoyuki Akutagawa
- 1P027 Synthesis and Electrical Properties of Tetrathiafulvalen Derivatives with Ferrocene-Terminated Side Chains
○Kei Mizuguchi, Yoko Tatewaki, Shuji Okada
- 1P028 Magnetism and Dielectricity of Ru₂(II,III) complexes with polar adamantyl rotating units
○Norihisa Hoshino, Tomoyuki Akutagawa
- 1P029 Crystal structures and electronic states of thiadiazole- and triazole-fused *p*-benzoquinones
○Masahiro Sato, Takashi Takeda, Norihisa Hoshino, Tomoyuki Akutagawa
- 1P030 Crystal Structures and Proton Transfer of Polymorphic Molecular Crystals of (*o*-Fluoroanilinium)(H₂PO₄⁻)
○Yuya Yoshii, Takashi Takeda, Norihisa Hoshino, Tomoyuki Akutagawa
- 1P031 Controllable Nanofiber Networks and Dielectricity of Alkylamide Substituted Benzene Derivatives
○Yuuta Shishido, Norihisa Hoshino, Takashi Takeda, Tomoyuki Akutagawa
- 1P032 Crystal Structure and Physical Properties of Liquid Crystalline Alkylammonium Pyridine-3-Sulfonate
○Atsushi Funada, Norihisa Hoshino, Takashi Takeda, Tomoyuki Akutagawa
- 1P033 Synthesis and Cation-Anion Sensing of Crown-Ether Fused Quinoxalinone Derivatives
○Yuuta Nakane, Takashi Takeda, Norihisa Hoshino, Ken-ichi Sakai, Tomoyuki Akutagawa
- 1P034 Preparation and properties of quinoxaline based electron acceptor
○Takashi Takeda, Tomoyuki Akutagawa
- 1P035 Synthesis of gold nanoparticles / zeolite-L composite by hydrothermal reduction of tetrachloroaurate
○Masahide Hagiri, Keisuke Yoshida, Teruhisa Okuno, Go Kawamura, Hiroyuki Muto, Atsunori Matsuda, Shuichi Hashimoto
- 1P036 Development of an AgCl/Al₂O₃ membrane for the removal of chloride from organic liquids
○Kento Yamada, Grause Guide, Tomohito Kameda, Toshiaki Yoshioka
- 1P037 Uptake of Nd³⁺ and Sr²⁺ from aqueous solution using Zn-Al layered double hydroxide intercalated with triethylenetetraminehexaacetic acid
○Tetsu Shinmyo, Tomohito Kameda, Toshiaki Yoshioka

- 1P038 Concentration of Cs⁺ using ionic associate and organic solvent
 ○Kotaro Hayashi, Guido Grause, Tomohito Kameda, Toshiaki Yoshioka
- 1P039 Upgrade recycling of PVC by nucleophilic substitution with long carbon chains
 ○Yuko Nagasaki, Kazumi Hashimoto, Guido Grause, Tomohito Kameda, Toshiaki Yoshioka
- 1P040 Removal of lead from cathode ray tube glass using dehydrochlorination of PVC
 ○Kenshi Takahashi, Guido Grause, Tomohito Kameda, Toshiaki Yoshioka
- 1P041 Development of the separation and concentration method based on Homogeneous Liquid - liquid Extraction Method for the trace amounts of cesium ion
 ○Shigekatu Oshite, Yuki Furuuchi
- 1P042 Tetracosphine complexes of palladium and platinum
 ○Hidetake Seino, Ryoga Yasuda, Yasushi Mizobe
- 1P043 The Reaction of Silylene Copper Chloride Complex: Facile Migration of Chloride Atom
 ○Yuichiro Inagawa, Shintaro Ishida, Takeaki Iwamoto
- 1P044 Doping of [Rh₂] unit into a charge-transferred 1-D chain compound composed of [Ru₂] and TCNQ derivative
 ○Masaki Nishio, Wataru Kosaka, Yoshihito Hayashi, Hitoshi Miyasaka
- 1P045 Gas Adsorption Properties in 1D Chain Compounds with Paddlewheel [Ru₂^{II,II}] Units
 ○Kayo Yamagishi, Wataru Kosaka, Yoshihito Hayashi, Hitoshi Miyasaka
- 1P046 Doping Effect in a 1-D Chain Compound Exhibiting an N-I Transition
 ○Keita Nakabayashi, Wataru Kosaka, Yoshihito Hayashi, Hitoshi Miyasaka
- 1P047 Insertion of TTF Molecules into [Rh₂]₂TCNQ Layered Materials
 ○Masanori Tonouchi, Wataru Kosaka, Yoshihito Hayashi, Hitoshi Miyasaka
- 1P048 OSC and catalytic property of CeO₂-Mn₃O₄ mixed oxide
 Taro Sakanakura, ○Mizuki Yoshida, Qiang Dong, Shu Yin, Tsugio Sato
- 1P049 Synthesis and Magnetic Properties of Terbium(III) Phthalocyaninato Tetraphenylporphyrinato Multiple-Decker Complex
 ○Akira Sato, Keiichi Kato, Brian K. Breedlove, Masahiro Yamashita
- 1P050 Comparison of the Structures and the Properties of Quasi-one-dimensional Bromide-bridged Pd Complexes with the Similar Counterions
 ○Shohei Kumagai, Shinya Takaishi, Hiroaki Iguchi, Takefumi Yoshida, Masahiro Yamashita
- 1P051 Electronic State of Halogen-Bridge Metal Complexes with *R,R*-cyclopentanediamine Ligand
 ○Takefumi Yoshida, Shinya Takaishi, Hiroaki Iguchi, Brian Breedlove, Yamashita Masahiro
- 1P052 Relationship between Magnetic Properties and Alkyl Chain Lengths of Double-Decker SMM Complexes
 ○Kosuke Horie, Keiichi Katoh, Brian K. Breedlove, Masahiro Yamashita
- 1P053 Dual Magnetic Relaxation Processes Observed for a Tetranuclear Terbium(III)

Single-Molecule Magnet with a Fused Phthalocyaninato Ligand having Two Coordination Sites

○Takaumi Morita, Keiichi Katoh, Brian Breedlove, Masahiro Yamashita

1P054 Study for Structure and Magnetic Property of Mn(III) Salen Type Complexes Bridged by Carboxylic Acid Ligand with Nucleobase Moiety

○Yoshie Ohke, Wei-xiong Zhang, Takuya Shiga, Koichi Kagesawa, Keiichi Katoh, Brian K. Breedlove, Masahiro Yamashita

1P055 Relationship between Molecular Packing and Magnetic Properties of Terbium(III)-Phthalocyanato Double-Decker SMM Complex

○Tsutomu Yamabayashi, Keiichi Katoh, Masahiro Yamashita

1P056 Neutron Inelastic Scattering Study of MX Complex

○Yamato Shida, Shinya Takaishi, Hiroaki Iguchi, Brian Breedlove, Masahiro Yamashita

1P057 Synthesis of Clathrate Hydrate Analogue of Super-Huge-Space cluster consisting of Tetraphenylmethane Framework

○Takashi Funada, Shinya Takaishi, Hiroaki Iguchi, Brian K Breedlove, Masahiro Yamashita

1P058 Synthesis of Hydrogen Bonded Frameworks Consisting of Tetraphenylmethane Dendrimer Ligand

○Haruki Maki, Shinya Takaishi, Masahiro Yamashita

1P059 Development of reversible hydrogenation-dehydrogenation of dihydroimidazolium

○Masahiro Hatazawa, Hidetake Seino, Naoko Yoshie

1P060 Adsorption of Cesium ion on various natural Ores in aqueous solutions

○Wataru Sakata, Hidetoshi Hirahara, Sumio Aisawa, Eiichi Narita, Akira Sasaki

1P061 Synthesis and Magnetic Properties of Mixed (Porphyrinato)(Phthalocyaninato) Tb (III) Double-Decker Complex

○Reo Hirose, Keiichi Katoh, Shinya Takaishi, Brian Breedlove, Masahiro Yamashita

1P062 Electron delocalization in mixed-valence molecular metal oxides

○Ippei Nakamura, Norihisa Hoshino, Tomoyuki Akutagawa, Ryo Tsunashima

1P063 Synthesis and evaluation of various metal phthalocyanine-linked celluloses and the adsorption properties of polycyclic aromatic hydrocarbons

○Makoto Matsueda, Yoshitaka Takagai

1P064 Gas chromatography mass-spectrometric quantification of pesticide residues in fresh vegetables followed by freeze drying-ternary component system in homogeneous liquid-liquid extraction

○Seiji Matsuo, Yoshitaka Takagai

1P065 Fabrication of two-dimensional layer structure consisting of Ag Nanoparticles by using dip-coat process.

○Siori Souma, Sigeta Yagyu, Manabu Isizaki, Katuhiko Kanaiduka, Masato Kurihara, Masatomi

Kurihara

1P066 Synthesis of Platinum Nanoclusters on the Surface of Prussian Blue Nano Particles

○Wataru Naito, Manabu Ishizaki, Katsuhiko Kanaizuka, Masato Kurihara, Masatomi Sakamoto

1P067 Electrochemical Properties of Prussian-Blue Nanoparticles Depending on Its Inner Structure

○Mayu Matsuba, Manabu Ishizaki, Katsuhiko Kanaizuka, Masatomi Sakamoto, Masato Kurihara

【Physical Chemistry】

1P068 Liesegang pattern with silver nanoparticles in reaction-diffusion system.

○Mami Sato, Kei Unoura, Hideki Nabika

1P069 Control of the microscopic mass transportation with chemical wave

○Takahiko Hasegawa, Kei Unoura, Hideki Nabika

1P070 Control of non-linear oscillation dynamics with gold nanoparticles

○Toshinobu Inumata, Kei Unoura, Hideki Nabika

1P071 Modification and catalytic activity of multiwalled carbon nanotubes with gold nanoparticles via photo-reduction of polyoxometalates

○Hiroyuki Miyashita, Kei Unoura, Hideki Nabika

1P072 Interatomic Coulombic decay induced by Xe 4d ionization of Xe dimers

○Takaki Tokiwa, Hiroto Taga, Naoki Kishimoto, Tomoya Mizuno, Akira Yagishita

1P073 Structure modeling of grassy and molten $ZnCl_2$

○Kazuyuki Kikuchi, Takeshi Usuki, Yasuo Kameda, Yuko Amo, Shinji Kohara, Salmon Philip

1P074 X-ray Diffraction Study of Conformation of ATP and ADP Molecules in Aqueous Solutions

○Takuya Miyazaki, Yasuo Kameda, Yasuhiro Umebayashi, Hiroyuki Doi, Yuko Amo, Takeshi Usuki

1P075 Structure modelling of AlAg-doped CuZr bulk metallic glasses

○Takuya Sugawara, Takahiro Miyakawa, Toshio Nasu, Takeshi Usuki, Wei Zhang, Akihisa Inoue

1P076 Low-frequency isotropic Raman spectra of aqueous $LiNO_3$ solutions

○Tatsuya Saijo, Yasuo Kameda, Yuko Amo, Takeshi Usuki

1P077 IR double-difference spectra of aqueous $LiClO_4$ solutions

○Mai Yarimizu, Yasuo Kameda, Yuko Amo, Takeshi Usuki

1P078 Anion Adsorption on Gold Electrodes Studied by Electrochemical Surface Forces Measurement

○Tsukasa Sogawa, Motohiro Kasuya, Takuya Masuda, Kohei Uosaki, Kazue Kurihara

1P079 X-ray diffraction study on aqueous $KHCO_3$ and K_2CO_3 solutions

○Mai Fukawatari, Yasuo Kameda, Yuko Amo, Takeshi Usuki

1P080 Slow Relaxation Dynamics of Electron Generated in Dye-sensitized TiO_2 Nanocrystalline Films

○Akihiro Namekawa, Ryuzi Katoh

1P082 Kinetic modeling of Maillard reaction

○Masakazu Isobe, Yasushi Numata, Emiko Yoshida, Hiroyasu Tanabe, Hiroyuki Tanaka

1P083 Fabrication of Nanocrystal-Ligands Hybrid Materials toward Realizing Their Excited State Resonance

○Shigeru Kaida, Masanori Koshimizu, Keisuke Asai

1P084 Synthesis and characterization of organic-inorganic perovskites containing one dimensional magnets

○Ayano Daidai, Naoki Kawano, Masanori Koshimizu, Keisuke Asai

1P085 Development of ZnO Ceramic Scintillators Containing Isoelectronic Traps

○Kei Watanabe, Masanori Koshimizu, Syunji Kisimoto, Fumihiko Nishikido, Rie Haruki, Keisuke Asai

1P086 Effects of organic moieties on the luminescence properties of organic-inorganic layered perovskite-type compounds

○Naoki Kawano, Masanori Koshimizu, Yan Sun, Rie Haruki, Fumihiko Nishikido, Shunji Kishimoto, Yutaka Fujimoto, Takayuki Yanagida, Keisuke Asai

1P087 Collision-Induced Harpooning Observed in the Excimer Formation in the Oriented $\text{NF}_3 + \text{Oriented Kr}^* (^3\text{P}_2, M_J = 2)$ Reaction

○Yusuke MATSUURA, Hiroshi Ohoyama, Takuya Matsumoto

1P088 Development of a high-intensity molecular beam source for time-resolved (e,2e) electron momentum spectroscopy

○Hiroyuki Nakazawa, Masakazu Yamazaki, Masahiko Takahashi

1P089 Structural analysis of GeSe_2 glass using reverse Monte Carlo simulation

○Takashi Furukawa, Takeshi Usuki, Yashuo Kameda, Yuko Amou, Shinji Kohara, Salmon Philip

1P090 Multiphoton multiple ionization of rare-gas clusters by X-ray free electron laser

○Tetsuya Tachibana, Zoltan Jurek, Per Johnsson, Hironobu Fukuzawa, Koji Motomura, Kiyonobu Nagaya, Marco Siano, Shin-ichi Wada, Subhendu Mondal, Miku Kimura, Yuta Ito, Tsukasa Sakai, Kenji Matsunami, Hironori Hayashita, Jumpei Kajikawa, XiaoJing Liu, Emmanuel Robert, Catalin Miron, Raimund Feifel, Jon Marangos, Kensuke Tono, Yuichi Inubushi, Takaki Hatsui, Makina Yabashi, Beata Ziaja, Sang-kil Son, Robin Santra, Makoto Yao, Kiyoshi Ueda

1P091 Local atomic arrangement in AgI-doped fast ion conducting glasses

○Ryosuke Ikarashi, Takefumi Saito, Ai Tsubuki, Tomoko Hasegawa, Yuko Amo, Yasuo Kameda, Takeshi Usuki

1P092 ESR Investigation of Sucrose Radicals Produced by Low Dose X-ray Irradiation

○Kouichi Nakagawa, Ken Kobukai, Yuzuru Sato, Takuto Takahashi

1P093 Theoretical study on structural stability of Glutathione S-transferase

○Sousuke Kohashi, Kenji Yamagishi, Mitsuru Haruki, Kensaku Sakamoto

1P094 The relationship between the phase transition and the terahertz spectra of a plastic crystal

○Takenori Tanno, Erino Ide, Kyoko Umeno, Kazuhiko Fujiwara, Nobuaki Ogawa

1P095 Extraction of electron-ion differential scattering cross sections from angle-resolved rescattering photoelectron spectra of C₂H₄ and C₂H₆ measured using IR laser pulses

○Yuta Ito, Misaki Okunishi, Kozo Shimada, Robert R. Lucchese, Toru Morishita, Kiyoshi Ueda

1P096 Spectroscopic Investigation of Poly-Phenylethynyl Compounds : Electronic Spectra of 1,4-Diethynylbenzene and 1,4-Bis(phenylethynyl)benzene

○Takaki Itakura, Kouki Ushiyama, katsuhiko Okuyama

1P097 Energy analysis of electron configurations: Application to chemical reaction dynamics

○Yusuke Sato, Syu Omura, Manabu Kanno, Hirohiko Kono

1P098 Photoelectron angular distributions in EUV+IR two-color ionization of He and Ne

○Subhendu Mondal, Hironobu Fukuzawa, Koji Motomura, Tetsuya Tachibana, Kiyonobu Nagaya, Tsukasa Sakai, Kenji Matsunami, Satoshi Yase, Makoto Yao, Shin-ichi Wada, Hironori Hayashita, Norio Saito, Carlo Callegari, Kevin Prince, Catalin Miron, Patrick O'Keeffe, Paola Bolognesi, Lorenzo Avaldi, Mitsuru Nagasono, Andrej K. Kazansky, Nikolay M. Kabachnik, Kiyoshi Ueda

1P099 Properties of Polymer Clathrated to Molecular Nanoporous Crystal

○You Suzuki, Kichisato Nakamura, Kyosuke Isoda, Makoto Tadokoro

1P100 Development of time-resolved (e,2e) electron momentum spectroscopy: a tool for visualizing the electron motion during a chemical reaction

○Masakazu Yamazaki, Yuji Kasai, Keiya Oishi, Hiroyuki Nakazawa, Masahiko Takahashi

1P101 Characterization of Water Confined between Silica Surfaces Using the Resonance Shear Measurement

○Motohiro Kasuya, Masaya Hino, Hisho Yamada, Masashi Mizukami, Hiroyuki Mori, Seiji Kajita, Toshihide Ohmori, Atsushi Suzuki, Kazue Kurihara

1P102 Development of Elliptically Polarization-detected Circular Dichroism Spectroscopy towards the high sensitivity

○Yasuyuki Araki, Makoto Murakami, Seiji Sakamoto, Takehiko Wada

1P103 Sequential multiphoton multiple ionization of Ar and Xe by X-ray free electron laser

○Hironobu Fukuzawa, Koji Motomura, Sang-Kil Son, Subhendu Mondal, Tetsuya Tachibana, Yuta Ito, Miku Kimura, Kiyonobu Nagaya, Tsukasa Sakai, Kenji Matsunami, Shin-ichi Wada, Hironori Hayashita, Jumpei Kajikawa, Xiao-Jing Liu, Raimund Feifel, Per Johnsson, Marco Sian, Edwin Kukk, Benedikt Rudek, Benjamin Erk, Lutz Foucar, Emmanuel Robert, Catalin Miron, Kensuke Tono, Yuichi Inubushi, Hatsui Takaki, Makina Yabashi, Makoto Yao, Robin Santra, Kiyoshi Ueda

1P104 Quantum chemical studies of the combustion pathways and kinetics of polycyclic aromatic hydrocarbons.

○Yoshinori Murakami, Tatsuo Oguchi

【Organic Chemistry】

1P105 1,3-Disilabicyclo[1.1.0]butane Dimer Showing Remarkably Conjugation

○Daiki Motomatsu, Koya Inomata, Shintaro Ishida, Takeaki Iwamoto

1P106 Expansion of Si₅ Cluster Framework under Mild Condition

○Naohiko Akasaka, Shintaro Ishida, Takeaki Iwamoto

1P107 Diverse Reactivity of an Isolable Dialkylsilylene toward Aromatic Ketones

○Kenya Uchida, Shintaro Ishida, Takeaki Iwamoto

1P108 A Stable Phosphorus-centered Radical : Synthesis, Structure, Properties, and Its Transition Metal Complexes

○Fumiya Hirakawa, Shintaro Ishida, Takeaki Iwamoto

1P109 Reactions of Trialkyldisilenide with Aromatic Compounds

○Tomoyuki Kosai, Shintaro Ishida, Takeaki Iwamoto

1P110 Synthesis and Gelation Properties of Poly(benzyl ether) Dendrons

○Tomoaki Ando, Kazuaki Ito

1P111 Synthesis and Gelation Properties of Cystine Derivatives

○Masayuki Kurotaki, Kazuaki Ito

1P112 Synthesis and Fluorescence Properties of Oxadiazole Derivatives having Anthracene Unit

○Fuka Takahashi, Kazuaki Ito

1P113 Dynamic Molecular Assembly Using Phenylboronic Acid Ester

○Hiroyoshi Kawasaki, Akihiko Tsuge, Koji Araki

1P114 Sugar-responsible Supramolecular Hydrogel Using Phenylboronic Acid Ester

○Hiroyoshi Kawasaki, Akihiko Tsuge, Koji Araki

1P115 Fluorescence Properties of 2-Aminotryptanthrin Derivatives with Pyrene

○Yuki Harada, Jun Kawakami, Shunji Ito

1P116 2-Aminotryptanthrin Derivatives with 7-Substituted Coumarin as FRET-based Fluorescent Chemosensors for Metal Ions

○Tokito Henmi, Nobuo Narita, Jun Kawakami, Shunji Ito

1P117 Synthesis of 2-Aminotryptanthrin Derivatives with Benzo-fused BODIPY

○Kohki Kimura, Jun Kawakami, Shunji Ito

1P118 Synthesis and Photophysical Properties of Aromatic-ring-fused 2-Aminotryptanthrin Derivatives

○Akihiro Tuiki, Jun Kawakami, Shunji Ito

1P119 Regio-selective tosylation of β -cyclodextrin

○Yuki Sato, Masao Iijima

1P120 Synthesis of Peptide Nucleic Acids (PNA) Containing Cross-linking Agent

- Takuya Akisawa, Yuki Ishizawa, Fumi Nagatsugi
1P121 Development of the molecular probes to achieve the selective chemical modification in an abasic site
- Norihito Sato, Takuma Moki, Shinya Hagihara, Fumi Nagatsugi
1P122 Development of the cross-link forming pyrimidine derivative
- Shuhei Kusano, Shogo Ishiyama, Shinya Hagihara, Fumi Nagatsugi
1P123 Environmentally sensitive fluorescent 8-aza-7-deaza-2'-deoxyadenosines that form a stable Watson-Crick base pair and their photophysical properties
- Azusa Suzuki, Isao Saito, Nobukatsu Nemoto, Yoshio Saito
1P124 Synthesis of solvatochromic 7-arylethynylated 8-aza-7-deaza-2'-deoxyguanosine derivatives and their applications
- Yuki Yamasaka, Azusa Suzuki, Yuji Okada, Isao Saito, Yoshio Saito
1P125 Synthesis of fluorescein-nitroxide radical hybrid-compounds and their fluorescent property
Susumu Endo, Yusuke Kurokawa, ○Masaki Yamaguchi, Shingo Sato, Akio Nagai, Tomohiro Ito, Tateaki Ogata
- 1P126 Synthesis and characterization of tetra(5-aryl-2-thienyl) thiophene-1,1-dioxide derivatives
Hiroki Muraoka, ○Takamasa Endo, Satoshi Ogawa
- 1P127 Synthesis and characterization of Aryl-functionalized X-shaped oligothiophene derivatives with a pyrrole core
Hiroki Muraoka, ○Syunpei Kubota, Satoshi Ogawa
- 1P128 Synthesis and properties of novel conjugated phenol derivatives bridged by heterocycles
Tomikazu Kawano, ○Toshika Ohashi, Satoshi Ogawa
- 1P129 Molecular assembly of porphyrin derivative on a substrate by polymerization reaction
○Atsushi Izumi, Manabu Ishizaki, Katsuhiko Kanaizuka, Masato Kurihara, Masatomi Sakamoto
- 1P130 One-pot formation of phthalocyanine nano-bamboo shoots on electrodes and their photocurrent behavior
○Takuya Kawaguchi, Atsushi Izumi, Hiroki Kon, Masa-aki Haga, Masatomi Sakamoto, Masato Kurihara, Katsuhiko Kanaizuka
- 1P131 Synthesis, Structures, and Properties of η^2 -Disilyne Palladium and Platinum Complexes
○Yoshifumi Misawa, Ryutaro Sugawara, Shintaro Ishida, Takeaki Iwamoto
- 1P132 Synthesis, Structure, and Properties of Disila[*n*]staffanes
○Akihiko Karube, Shintaro Ishida, Takeaki Iwamoto
- 1P133 Synthesis and Structure of Stable Tetraorganosilicates having Disilatriptycene Skeleton
○Minori Takiguchi, Shintaro Ishida, Takeaki Iwamoto
- 1P134 Double bond migration of limonene over zeolite catalysts
○Toshiya Susuta, Yasunao Kuriyama, Hiroki Itoh

1P135 A Chiral NMR Shift Reagent Eu-pdta: Application for Determining Absolute Configurations of β - Amino Acids and β - Hydroxy Acids

○Toshinari Honda, Kenji Omata, Kuninobu Kabuto, Kozo Toyota

1P136 Synthesis of calix[4]arene-1,3-dialdehyde and 1,3-dicarboxylic acid

○Takafumi Umetsu, Satoru Nebuya, Shinya Tanaka, Naoya Morohashi, Tetsutaro Hattori

1P137 Synthesis and Properties of Palladium(II) Complexes of 1,3-Bis(diphenylphosphino)calix[4]arene

○Kengo Hirasawa, Takeru Horiuchi, Takumi Sato, Shinya Tanaka, Naoya Morohashi, Tetsutaro Hattori

1P138 Development of a novel metal extractant, crown-4-calix[4]arene diphosphonic acid

○Sahoko Sumida, Naoya Morohashi, Shinya Tanaka, Tetsutaro Hattori

1P139 Detailed comparison of inclusion property toward alcohols between calix- and thiacalix[4]arenes

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