

Day 1, 9/26 (Monday) 12:50-14:50, Poster Presentation

Presentation Time

Presenters of Odd Numbers: 12:50-13:50, Even Numbers: 13:50-14:50

Poster Award Candidates: 12:50-14:50

Room 2215

- 1PA-01** Reaction of a sulfide bridged Pt₂Rh complex bearing methylene-bridged bisNHC ligands with Ag(I) ions
(Osaka City Univ., Osaka Metropolitan Univ.) ©Natsuki YABUNE, Hiroshi NAKAJIMA, Takanori NISHIOKA
- 1PA-02** Molecular Hybrids of Lacunary Polyoxomolybdates and Multidentate Organic Ligands
(Dept. of Eng., The Univ. of Tokyo) ○Atsuhiko Jimbo, Chifeng Li, Kosuke Suzuki, Kazuya Yamaguchi
- 1PA-03** Development of a New Synthetic Method for Diarsatriptycene and Its One-dimensional Polymerization with Gold Complex
(Kyoto Inst. of Tech.) ○Ryoto INABA, Hiroaki IMOTO, Kensuke NAKA
- 1PA-04** Complexation of zinc tetraphenylporphyrin with structurally changeable ligands based on the coordination number change of the phosphorus atom
(Fac. of Sci., Gakushuin Univ.) ©Takayoshi KUROSAWA, Tatsuya MOROFUJI, Naokazu KANO
- 1PA-05** Synthesis and magnetic properties of novel iron (III) heteroleptic complex
(Kumamoto Univ.) ○Takahiro TAIRA, Hikaru ZENNO, Yoshihiro SEKINE, Shinya HAYAMI
- 1PA-06** Effect of Bulkiness of Metalloligands and Sulfide Sources on the Formation of Silver Sulfide Clusters Covered by S-donating Metalloligands
(Grad. Sch. of Sci., Osaka Univ., Nat. Taiwan Normal Univ.) ○Zi Lang GOO, Keisuke NOMURA, Nobuto YOSHINARI, Tatsuhiro KOJIMA, Takumi KONNO
- 1PA-07** Synthesis and characterization of μ -sulfide dimetal complexes with a hydrotris(pyrazolyl)borate ligand
(Grad. Sch. of Sci. and Eng., Ibaraki Univ., Nat. Inst. of Tech. (KOSEN), Ibaraki College, Lab. for Chem. and Life Sci., Inst. of Innovative Res., Tokyo Inst. of Tech., Grad. Sch. of Eng., Kanagawa Univ.) © Tomomi Oohara, Tomohiro Agou, Shun Tadokoro, Hidehito Komatsuzaki, Ayaka Ouchi, Yuya Tanaka, Munetaka Akita, Shiro Hikichi
- 1PA-08** Optimization of Synthetic Method and Complex Formation of Octanuclear Peroxodiphosphatomolybdate
(Dept. of Systems Eng., Wakayama Univ.) ○Yuuto Kuratomi, Masato HASHIMOTO
- 1PA-09** Single-crystal-to-single-crystal Guest Exchange of Hydrogen-bonded Organic Frameworks Based on a Bis(benzimidazole)ZnCl₂ Complex
(Grad. Sch. of Sci. and Tech., Hirosaki Univ.) ○Ryoga YAMAGUCHI, Masaaki OKAZAKI, Shun OHTA
- 1PA-10** Synthesis of Transition-Metal Complexes with Phosphinecarboxamides and Phosphinecarbothioamides
(Grad. Sch. of Sci., Osaka City Univ., Grad. Sch. of Sci., Osaka Metropolitan Univ.) ©Kento OKABAYASHI, Takanari MATSUTANI, Masumi ITAZAKI, Toshiyuki MORIUCHI

- 1PA-11** Reductive Dimerization of Tropone Tripalladium Sandwich Complex
(Tokyo Inst. of Tech., Nat. Def. Acad. of Japan) ○Merika TAGUCHI, Eiji KUDO, Sota YONEDA, Mizuki AONO, Koji YAMAMOTO, Tsubasa OMODA, Tetsuro MURAHASHI
- 1PA-12** Nucleophilic Addition of Methanol to the Pd^{II} Complex Containing Chromonylhydrazones
(Grad. Sch. of Natural Sci. and Tech., Okayama Univ., Adv. Sci. Res. Center, Okayama Univ., RIIS, Okayama Univ.) ○Yae IMAI, Asahi KAMEI, Yukinari SUNATSUKI, Takayosi SUZUKI
- 1PA-13** Synthesis of Ga/Pt sub-nanoparticles through precise metal-integration on dendrimers and development of catalytic functions
(Lab. for Chem. and Life Sci., Tokyo Inst. of Tech., JST-ERATO, JST-PRESTO) ◎Mariko UCHIYAMA, Tetsuya KAMBE, Meijia LI, Takamasa TSUKAMOTO, Takane IMAOKA, Kimihisa YAMAMOTO
- 1PA-14** Synthesis of Lanthanide Complexes with EDTA-Type Amide Ligands
(Osaka City Univ., Osaka Metro. Univ.) ○Yuki TANI, Eiko MIEDA, Hiroyuki MIYAKE, Satoshi SHINODA
- 1PA-15** Syntheses and Spectroscopic Properties of Zn(II)-La(III) Heteropolynuclear Complexes with N₂O₄-Type Ligands Derived from Simple Diamine Compounds
(Dept. of Chem. and Appl. Chem., Grad. Sch. of Sci. and Eng., Saga-Univ., Dept. of Chem. and Appl. Chem., Fac. of Sci. and Eng., Saga Univ.) ○Kana SHIGEMATSU, Ko YONEDA, Masayuki KOIKAWA, Yasunori YAMADA
- 1PA-16** Structural Control and Magnetic Properties of Hydrogen-Bonded Honeycomb Networks Composed of Trinuclear Ruthenium Cluster
(Grad. Sch. of Sci., Univ. of Hyogo) ◎Shoki Ikeda, Kazuki Takamura, Yoshiki Ozawa, Keishiro Tahara, Akira Yamaguchi, Yu Yamane, Akihiko Sumiyama, Masaaki Abe

Room 2216

- 1PA-17** Complex Formation of Peroxomolybdate Having Trimetaphosphate as a Heteroatom Group
(Grad. Sch. of Systems Eng., Wakayama Univ.) ○Yuki Mizuno, Masato HASHIMOTO
- 1PA-18** Unsymmetric Multidentate Azine-Based Ligands Coordinated to Series of First Transition Metal(II) Ions
(Grad. Sch. of Natural Sci. and Tech., Okayama Univ., Adv. Sci. Res. Center, Okayama Univ., RIIS, Okayama Univ.) ○HAYIBOR Kennedy Mawunya, SUNATSUKI Yukinari, SUZUKI Takayoshi
- 1PA-19** Synthesis of Pd-Pt Mixed-Metal Nanoclusters Containing [2.2]Paracyclophane Ligands
(Tokyo Inst. of Tech., Nat. Def. Acad., Kyoto Univ.) ◎Shunichi KATAOKA, Koji YAMAMOTO, Tsubasa OMODA, Shigeyoshi SAKAKI, Tetsuro MURAHASHI
- 1PA-20** Precise control of metal-centered chirality of a pentacoordinate oxovanadium(V) complex using chiral auxiliaries
(The Univ. of Tokyo) ○Ayako HINO, Koichi NAGATA, Hitoshi UBE, Mitsuhiko SHIONOYA
- 1PA-21** Synthesis and structural characterization of Ni^{II} and Cu^I complexes with a tetrapodal Schiff base ligand having imidazolyl groups
(Grad. Sch. of Natural Sci. and Tech., Okayama Univ., Adv. Sci. Res. Center, Okayama Univ., RIIS, Okayama Univ.) ○Sarasa IKEURA, Shunji TAZAWA, Yukinari SUNATSUKI, Takayoshi SUZUKI
- 1PA-22** Syntheses of Chiral Tri(amide armed) TACN Ligand and Lanthanoid complexes
(OSAKA Metro. Univ.) ◎Luna WATASE, Eiko MIEDA, Satoshi SHINODA, Hiroyuki MIYAKE

- 1PA-23** Synthesis and luminescent properties of cyclometalated platinum(II) complexes with tropolone
(Dept. Chem., Saitama Univ., Jpn. Women's Univ., CACS, Saitama Univ.) ○ Mitsukuni NAKAMURA, Keiji OHNO, Akira NAGASAWA, Takashi FUJIHARA
- 1PA-24** Synthesis and photochemical properties of amphiphilic phthalocyanines containing group 13 metals
(Niigata Univ.) ○ Takumi YAMADA, Keiichi SATOH
- 1PA-25** Multiple-stimulus responsiveness of NHC-protected carbon-centered hexagold(I) cluster
(Grad. Sch. of Sci., Dept. of Chem., The Univ. of Tokyo) ◎ Leonardo Hayato TAKESHIGE, Xiao-Li PEI, Hitoshi UBE, Zhen LEI, Mitsuhiko SHIONOYA
- 1PA-26** An Attempted Synthesis of Nickel(II) Schiff Base Complex with 4-Aminoquinoline Scaffold via Williamson Ether Synthesis as Potential Antimalarial Agent
(Gifu Univ., Nat. Univ. of Malaysia (UKM)) ○ Nur Aqilah Zahirah Norazmi, Nurul Huda Abd Karim, Nurul Izzaty Hassan, Masahiro Ebihara
- 1PA-27** Synthesis and molecular dynamics of luminescent Pt(II) complex with benzylideneaniline ligands
(NanoMat. Res. Inst., Kanazawa Univ.) ○ Yasuhiro SHIGETA, Motohiro MIZUNO
- 1PA-28** Synthesis, Structure, and Photoluminescence Property of Ir^{III}-M^I Complexes (M = Cu, Ag, Au) with 2-Aminoethanethiolate
(Grad. Sch. of Sci., Osaka Univ., Nat. Taiwan Normal Univ.) ◎ Mao ETORI, Nobuto YOSHINARI, Takumi KONNO
- 1PA-29** Eu emissions enhanced by the through-space energy transfer from Ag/Zn complexes with a tetradentate phenanthroline derivative
(College of Sci. and Eng., Aoyama Gakuin Univ.) ○ Yuto YOSHIDA, Hitomi OHMAGARI, Miki HASEGAWA
- 1PA-30** Synthesis and Chiroptical Properties of Helical Platinum(II) Complexes
(Grad. Sch. of Ind. Tech., Nihon Univ., College of Ind. Tech., Nihon Univ.) ◎ Shinya Watanabe, Masahiro Ikeshita, Takashi Tsuno
- 1PA-31** Syntheses and photoresponsivity of a photochromic tetrathiazole ligand and its Cu^{II} complex
(NAIST) ○ Mayuko NOZAWA, Mihoko YAMADA, Tsuyoshi KAWAI
- 1PA-32** Luminescence properties of lanthanide(III)-bipodal Schiff base complexes
(Grad. Sch. of Environ. Studies, Tohoku Univ., Grad. Sch. of Sci. and Tech. for Innovation, Yamaguchi Univ.) ◎ Mako Komatsu, Naoki Mashiko, Rika Nakamura, Atsuko Suzuki, Nobuhiko Iki

Room 2201

- 1PA-33** Synthesis and Properties of Hydrogen-Bonded Molecular Squares with Photofunctional Property
(Tokyo Univ. of Sci.) ○ Gakuya HIJIKATA, Fumiya KOBAYASHI, Makoto TADOKORO
- 1PA-34** Investigation of luminescence properties of mono-, di-, and heteronuclear lanthanide complexes with a tripodal Schiff base ligand
(Graduate Sch. of Environmental Studies, Tohoku Univ.) ◎ Haruka Miyazaki, Ryunosuke Karashimada, Nobuhiko Iki
- 1PA-35** Synthesis and Metal recognition of Schiff-Base Macrocycles Based on BINAM
(Tokyo Denki Univ., Grad. Sch. of Eng.) ○ Yurina HASUMI, Wataru INOUE, Makoto MIYASAKA

- 1PA-36** Control of stabilities of porous packing structures and emission properties of platinum(II) complexes by the electronic effect of the ligand
(Hokkaido Univ., Kwansei Gakuin Univ.) ©Takanari MOCHIZUKI, Masaki YOSHIDA, Atushi KOBAYASHI, Masako KATO
- 1PA-37** Synthesis of Zr-cluster-containing organometallic cage compounds bearing photocatalytic sites
(Osaka Univ., JST PRESTO) ○Masaki KITADA, Yutaka SAGA, Mio KONDO, Shigeyuki MASAOKA
- 1PA-38** Synthesis and Luminescence Properties of a Chiral Terbium Complexes with a 1,4,7,10-tetraazacyclododecane Skeleton
(Grad. Sch. of Sci. and Eng., Kindai Univ.) ©Hisaki MATSUI, Shunsuke SUGA, Hidetaka NAKAI
- 1PA-39** Effect of complexation on thiol-Michael addition reaction of quinoline derivative bearing ethyl cyanoacrylate moiety and the photophysical properties
(Dept. of Chem., Grad. Sch. of Sci., Toho Univ., Funabashi, Chiba, Dept. of Chem., Fac. of Sci., Toho Univ., Funabashi, Chiba) ○Natsumi NAKAMURA, Natsuki SAWAE, Chihiro KACHI-TERAJIMA
- 1PA-40** Visible Light-induced Luminescent Lanthanide Complexes with an Asymmetrical Multidentate Ligand
(College of Sci. and Eng., Aoyama Gakuin Univ.) ©Yuto OGIHARA, Hitomi OHMAGARI, Miki HASEGAWA
- 1PA-41** Physicochemical Properties and Photochemical Reactivity of a Ru(II) Complex Having an NAD⁺ Model Ligand
(Grad. Sch. of Sci. and Eng., Univ. of Toyama) ○Kazuki SHIBAHARA, Kiyoshi TSUGE, Hideki OHTSU
- 1PA-42** Novel Crystal Structure through Exploration of the Calcium-C₆₀ Binary Phase Field
(Dept. of Mat. Sci., Grad. Sch. of Eng., Osaka Metropolitan Univ.) ○Mizuki SUZUKI, Keisuke MATSUI, Naoya YOSHIKANE, Kosmas PRASSIDES
- 1PA-43** Magnetic properties of polynuclear Cu(II) complexes containing pyrazole-3,5-dicarboxylate
(Mat. Chem. Res. Center, Fac. of Sci., Khon Kaen Univ., Res. Center for Thermal and Entropic Sci., Grad. Sch. of Sci., Osaka Univ.) ○Fatima Klongdee, Motohiro Nakano, Yuto Sasada, Sujitra Youngme, Jaursup Boonmak
- 1PA-44** Synthesis of Oxo-bridged Rhodium-gold Multi-metallic Complexes and Selective Substitution of Metal Ions on the Bridging Oxo Ligand
(Grad. Sch. of Eng. Sci., Osaka Univ., Grad. Sch. of Pharmaceutical Sci., Osaka Univ.) © Hiroki Mori, Haruna MORI, Hayato TSURUGI, Kazushi MASHIMA
- 1PA-45** Control of Physical Properties of Chiral SCO Complexes by Changing Counter Anions
(Kumamoto Univ.) ○Ayumu SUZUHIGASHI, Yoshihiro SEKINE, Shinya HAYAMI
- 1PA-46** Novel Tetranuclear Structure and Magneto-chemical Characterization of a Pyrophosphate-bridged Nickel(II) Complex
(Basis of Tech. Unit, Polytechnic Univ. of Japan, Sch. of Sci. and Eng., Tokyo Denki Univ.) ○ Yuji Miyazato, Shin Nakazawa, Kazuki Sugiura
- 1PA-47** Synthesis and magnetic property of cobalt(II) complexes with dynamic substituents
(Grad. Sch. of Sci., Josai Univ.) ○Naoki Izumiyama, Manabu Nakaya

- 1PA-48** Research on sub-terahertz absorption and low-frequency Raman scattering in thiocyanido-bridged Fe^{II}-Hg^{II} networks
(The Univ. of Tokyo) ©Guanping Li, Olaf Stefanczyk, Kunal Kumar, Koji Nakabayashi, Shin-ichi Ohkoshi

Room 2202

- 1PA-49** Theoretical Study on Frontier Orbital Control by Polycyclic Aromatic Hydrocarbons Introduced into Paddle-Wheel Type Dinuclear Ruthenium Complexes
(Grad. Sch. of Eng. Sci., Osaka Univ., Grad. Sch. of Natural Sci. and Tech. Sci., Shimane Univ., Nat. Taipei Univ. of Tech., CSRN, Osaka Univ., QIQB, Osaka Univ., RCSEC, Osaka Univ, ICS, Osaka Univ.) ○Keisuke SASAKI, Naoka AMAMIZU, Yusuke KATAOKA, Hsiu-Hui CHEN, I-Jui HSU, Ryohei KISHI, Yasutaka KITAGAWA
- 1PA-50** Synthesis and Reactivities of Palladium(0) Complexes Bearing PS₃-type Tripodal Tetradentate Ligand
(Grad. Sch. of Sci. and Tech.) ○Nobuhiro Takeda, Ryota Nakamura, Masafumi Unno
- 1PA-51** Syntheses and redox behavior of cyclometalated Ir(III) complexes with non-innocent ligands
(Dept. Chem., Saitama Univ., CACS, Saitama Univ) ○ Naofumi KANEKO, Akira NAGASAWA, Takashi FUJIHARA
- 1PA-52** IR spectroelectrochemistry of N₂ bridged dimer of triruthenium complexes
(Dept. of Chem. and BioChem., Waseda Univ.) ○Tadashi Yamaguchi, Midori Ishikawa, Mai Tamate, Itto Ka, Genki Iwasaki
- 1PA-53** Syntheses and characterization of cobalt complexes with diamido coordination environment directed to nitric oxide donor
(Grad. Sch. of Eng., Nagoya Inst. of Tech., Fac. of Eng., Aichi Inst. of Tech.) ©Naoko KITO, Ena YAMAGUCHI, Yuko WASADA, Hideki MASUDA, Tomohiko INOMATA, Tomohiro OZAWA
- 1PA-54** Synthesis of New Molybdenum Complexes with Imido and Cyclic Amido Ligands
(Tokyo Univ. of Agriculture and Tech.) ○Fumito Kawami and Masafumi Hirano
- 1PA-55** Synthesis and Reactivity of New Reactive Ruthenium Complexes with SiS₃-Type Tripodal Tetradentate Ligand
(Gunma Univ.) ○Hiroto Inoguchi, Syouichi Sakamoto, Nobuhiro Takeda, Masafumi Unno
- 1PA-56** Study on the Dynamic Behavior of Bis(*tert*-butylimido)(1,2-dimethoxyethane)molybdenum Dichloride
(Dept. of Appl. Chem., Tokyo Univ. of Agriculture and Tech.) ○Takanori OWADA, Masafumi HIRANO
- 1PA-57** Electrochemical Hydrogen Production Reactions of Bisphenylamide-Bipyridine Complexes for Different Central Metal Species - Ni, Cu -
(Nagoya Inst. of Tech., Aichi Inst. of Tech.) ○Yoshikuni HARA, Tomohiko INOMATA, Hideki MASUDA, Tomohiro OZAWA
- 1PA-58** Binding of CO onto Heterometallic Sites of Cuboidal [Mo₃S₄M] (M = Fe, Co, Ni) Clusters Bearing Bulky Cp Ligands
(Dept. Chem. & RCMS, Nagoya U., Dept. Chem. U. Colombo, ICR, Kyoto U.) ©Yuto MATSUOKA, Yuta SAKAI, Mizuki TADA, W. M. C. Sameera, Kazuki TANIFUJI, Yasuhiro OHKI

- 1PA-59** Synthesis and Properties of Metal Complexes with a Tetradentate NHC/Pyridyl Ligand
(Dept. of Eng., Kanagawa Univ.) ○Saki KOBANA, Misa KITAHARA, Rena SUZUKI, Masaya OKAMURA, Shiro HIKICHI
- 1PA-60** Syntheses and redox behaviors of heterometallic multinuclear complexes with three different kinds of metal ions
(Osaka Univ., IMS, SOKENDAI, JST PRESTO, JST) ○Masaya SAKAMOTO, Misa TOMODA, Yuma MORII, Yutaka SAGA, Mio KONDO, Shigeyuki MASAOKA
- 1PA-61** Synthesis and properties of cobalt and iron complexes bearing bis(2-pyridylmethyl)ether
(Fac. Sci. Technol., Sophia Univ.) ○Ryo TORIBA, Tomoyo MISAWA, Hirota NAGAO
- 1PA-62** Stepwise Reduction Reaction of Sulfite on a Dinuclear Ruthenium Complex
(Grad. Sch. of Eng., Nagasaki Univ.) ○Motoki Yamada, Yasuhiro Arikawa, Shinnosuke Horiuchi, Eri Sakuda, Keisuke Umakoshi
- 1PA-63** Synthesis of New Rhodium Complexes with SiS₃-Type Tripodal Tetradentate Ligand and Their Application to Catalysts for Hydrosilylation Reactions
(Gunma Univ.) ◎Fuki TANAKA, Kanata TAKIZAWA, Yusuke FUJIKAWA, Nobuhiro TAKEDA, Masafumi UNNO
- 1PA-64** Photocatalytic CO₂ Reduction to Formate Promoted by the Pentamethylcyclopentadienyl Rhodium Catalyst
(Dept. Chem., Kyushu Univ.) ○Dongseob LEE, Yuto SAKAGUCHI, Kosei YAMAUCHI, Ken SAKAI

Room 2203

- 1PA-65** Complexation Behavior and Catalytic Activity of Ruthenium Indium Complex, *fac*-[Ru(NCMe)₃(CO)₂(InCl₃)], with Bidentate Phosphine Ligand
(Grad. Sch. of Science, Osaka Metropolitan Univ., Grad. Sch. of Science, Osaka City Univ.)
○Natsumi KITANI, Kento OKABAYASHI, Masumi ITAZAKI, Toshiyuki MORIUCHI
- 1PA-66** Chemical and Electrochemical Synthesis of Bis(diimino)palladium Nanosheet as Electrocatalysts for Hydrogen Evolution Reaction
(Res. Inst. for Sci. and Tech., Tokyo Univ. of Sci., Grad. Sch. of Sci., The Univ. of Tokyo) ○ Sayoko Nagashima, Mayumi Fujino, Eunice J H Phua, Hiroaki Maeda, Hiroshi Nishihara
- 1PA-67** Air/gel interfacial synthesis of metal-organic framework nanosheets: Effect of gel viscosity on nanosheet formation
(Osaka Metropolitan Univ., Grad. Sch. of Eng.) ◎Nasa MATSUMURA, Rie MAKIURA
- 1PA-68** A series of hexaazaphenylene-based porous coordination networks for evaluation of host-guest interactions in various encapsulated drug molecules
(Tokyo Tech) ○Yiyang ZHU, Yuki WADA, Pavel M USOV, Masaki KAWANO
- 1PA-69** Synthesis and characterization of one-dimensional Cd(II) coordination polymers prepared using amine solvents
(Kwansei Gakuin Univ., Osaka Univ.) ○Yuka Nakatani, Hinaka Hashimoto, Ryohei Akiyoshi, Akinori Saeki, Kazuyoshi Ogasawara
- 1PA-70** Facet-Selective Construction of Block Co-Crystals Composed of Different Spin-Crossover Metal Complexes
(Sch. Mater. Chem. Tech., Tokyo Tech., CLS, Tokyo Tech.) ◎Masahiro TSUCHIYA, Tomoya FUKUI, Takanori FUKUSHIMA

- 1PA-71** Synthesis and Physical Properties of Coordination Polymers Consisting of Copper(I) and naphthyridine Derivatives
(Fac. of Sci. and Eng., Kindai Univ., Res. Inst. for Sci. and Eng., Kindai Univ.) ○Keisuke Tanaka, Tomoki Nishiyama, Masahiko Maekawa, Takayoshi Kuroda-Sowa, Takashi Okubo
- 1PA-72** Flexible Metal Organic Frameworks with Arsenic-containing Organic Ligands
(Kyoto Inst. of Tech., Osaka Univ.) ○Kazuma KIKUCHI, Hiroi SEI, Kouki OKA, Norimitsu TOHNAI, Hiroaki IMOTO, Kensuke NAKA
- 1PA-73** Syntheses and coordination behavior of organic cage molecules with coordination sites on their vertexes
(Dept. of Chem., Fac. of Pure and Appl. Sci., Univ. of Tsukuba) ◎Daiki ITO, Nozomi MIHARA, Takuya SHIGA, Masayuki NIHEI
- 1PA-74** Synthesis and Properties of Cage-Type Nanoporous Metal Complexes with Bulky Pentamethylcyclopentadienyl Group
(Nagoya Univ.) ○Takumi KURONO, Shinpei KUSAKA, Hiroaki IGUCHI, Ryotaro MATSUDA
- 1PA-75** Core-shell structure construction method and physical property valuation using the ligand substitution reaction of aqua complex with pyrazine
(Grad. Sch. of Toho Univ., Grad. Sch. of Sci., Toho Univ., Grad. Sch. of Tokyo Denki Univ., Grad. Sch. of Sci. and Eng., Tokyo Denki Univ.) ○Shunsuke ARAI, Takashi KOSONE, Daisuke AKAHOSHI, Takafumi KITAZAWA
- 1PA-76** Direct synthesis and characterization of endohedral zinc(II) hemicryptophane complex
(Dept. of Eng., Osaka Metropolitan Univ., Dept. of Chem., Osaka Dental Univ.) ◎Yuya Akagi, Yoshimasa Makita, Akihiro Nomoto, Shin-ichi Fujiwara, Akiya Ogawa
- 1PA-77** Synthesis of a series of one-dimensional coordination polymers with paddlewheel Cu(II) dimers for carbon dioxide capture
(Grad. Sch. of Environ. Sci., Hokkaido Univ., Fac. of Environ. Earth Sci., Hokkaido Univ., Res. Inst. for Electronic Sci., Hokkaido Univ.) ○Sihao Xing, Xin Zheng, Kiyonori Takahashi, Takayoshi Nakamura, Shin-ichiro Noro
- 1PA-78** Super-Proton Conduction on Ionic Clathrate Hydrate Confined to Molecule-Based Nanoporous Crystal
(Tokyo Univ. of Sci.) ○Keigo SUEYASU, Fumiya KOBAYASHI, Makoto TADOKORO
- 1PA-79** Construction and Evaluation of Robustness and Conducting properties of a porous molecular conductor with high dimensional coordination networks supported by sulfate ions as pillar ligands
(Tohoku Univ., Nagoya Univ.) ◎Kaito HIRAKAWA, Liyuan QU, Shohei KOYAMA, Kaiji UCHIDA, Shinya TAKAISHI, Ryota SAKAMOTO, Hiroaki IGUCHI
- 1PA-80** Syntheses of organometallic molecular gears with extended propeller ligands
(Div. of Mat. Sci., NAIST, CEMES-CNRS, Univ. of Toulouse) ○Menghua SHI, Kenichiro OMOTO, Gwénaél RAPENNE

Room 2204

- 1PA-81** Crystal structure and properties of an inclusion complex formed by γ -cyclodextrin and Cu complex.
(Dept. of Chem., Fac. of Sci., Fukuoka Univ., Dept. of Ind. Eng., Nat. Inst. of Tech. (KOSEN), Ibaraki College) ○Rikuya Takahama, Tomohiko Hamaguchi, Minoru Satoh, Ryuta Ishikawa, Satoshi Kawata

- 1PA-82** Photo-electrochemical Properties of 1D Helical Perovskite Single Crystals
(Teikyo Univ. of Sci., Univ. of Tsukuba) ©Ryohei Sone, Takuya Shiga, Masayuki Nihei, Ayumi Ishii
- 1PA-83** Synthesis and Properties of Kagomé-type Nanoporous Metal Complexes Bearing Maleimido Moiety
(Nagoya Univ.) ○Akira YONEZU, Shinpei KUSAKA, Hiroaki IGUCHI, Ryotaro MATSUDA
- 1PA-84** DC Ion-Conductivity on Electrolyte Aqueous Solution Confined to Molecular Nano-Porous Crystal
(Tokyo Univ. of Sci) ○Ayano OSAWA, Fmiya KOBAYASHI, Makoto TADOKORO
- 1PA-85** Structural analysis of medium-sized drug molecules by encapsulating in Porous Coordination Networks with large pores
(Tokyo Tech) ©Yu TAGAMI, Yuki WADA, Pavel M USOV, Masaki KAWANO
- 1PA-86** Synthesis and Luminescent Properties of Hydrogen-Bonded Platinum(II) Complexes
(Grad. Sch. of Sci., Josai Univ.) ○Shun Fujii, Manabu Nakaya
- 1PA-87** Synthesis and Reactivity of Coordinatively Unsaturated Five-coordinate Iridium(III) Complex with $\Delta\Delta$ Chirality
(Kitasato Univ., Ehime Univ., Nihon Univ.) ○Kazuyoshi TAKIMOTO, Yutaka WATANABE, Jun YOSHIDA, Hidetaka YUGE, Hisako SATO
- 1PA-88** Design and Characterization of Fluorinated Nano-space within a Hollow-type Polyoxometalate $\{Mo_{132}\}$
(Grad. Sch. of Environ. Sci., Hokkaido Univ., Fac. of Environ. Earth Sci., Hokkaido Univ.) ©Chinatsu MURATA, Yukatsu SHICHIBU, Katsuaki KONISHI
- 1PA-89** Proton Conductivity of Water Clusters Confined to 2-D Coordination Polymer Crystal with Double Lariat Nickel(II) Complexes
(Tokyo Univ. of Sci.) ○Shoko TSUCHIYA, Fumiya KOBAYASHI, Makoto TADOKORO
- 1PB-01** Observation of cluster structures of water molecules in porous crystals
(Nagasaki Univ., The Univ. of Tokyo) ©Shota OGURA, Shinnosuke HORIUCHI, Eri SAKUDA, Yasuhiro ARIKAWA, Keisuke UMAKOSHI
- 1PB-02** The ligand field in low-crystallinity metal-organic frameworks investigated by soft X-ray core-level absorption spectroscopy
(ISSP, The Univ. of Tokyo, JASRI, Dept. of Chem., Grad. Sch. of Sci., Kyushu Univ., IMR, Tohoku Univ., Dep. of Chem., Grad. Sch. of Sci., Tohoku Univ., SR Center, Ritsumeikan Univ., SAGA-LS, ADSM, Hiroshima Univ., Grad. Sch. of Mater. Sci., Univ. of Hyogo) ○Kohei Yamagami, Haruka Yoshino, Hirona Yamagishi, Hiroyuki Setoyama, Arata Tanaka, Ryo Ohtani, Masaaki Ohba, Hiroki Wadati
- 1PB-03** Synthesis and characterization of novel Ag-based superatomic molecules with halogen ligands
(Grad. Sch. of Sci., Tokyo Univ. of Sci., Fac. Sci., Hokkaido Univ.) ©Sayuri MIYAJIMA, Ayaka IKEDA, Sakiat HOSSAIN, Yoshiki NIIHORI, Tokuhisa KAWAWAKI, Takeshi IWASA, Tetsuya TAKETSUGU, Yuichi NEGISHI
- 1PB-04** Near-infrared absorption of ruthenium bipyridine dicarbonyl dimer
(Kansai Univ., Yokohama City Univ.) ○ Yuya MIYAKE, Daiki TOMIHARA, Koichi YAMASHITA, Hitoshi ISHIDA

- 1PB-05** Experimental and Theoretical Investigation of Singly and Doubly Reduced Uranyl(VI) Complexes with Redox-active Ligands
(Lab. for Zero-Carbon Energy, Tokyo Inst. of Tech., Inst. of Resource Ecology, Helmholtz-Zentrum Dresden-Rossendorf) © Tomoyuki TAKEYAMA, Satoru TSUSHIMA, Koichiro TAKAO
- 1PB-06** Characterization of Co(II)-, Cu(I)-phenoxyl radical complexes
(Grad. Sch. of Sci. and Eng., Ibaraki Univ.) ○ Yuto SHIMA, Takashi SUZUKI, Yuichi SHIMAZAKI
- 1PB-07** *ab initio* structural investigation of C₆₀/PAH co-adducts – new structures from powder diffraction data
(Dept. of Mat. Sci., Osaka Metropolitan Univ.) © Akane Matsumoto, Naoya Yoshikane, Kosmas Prassides

Room 2207

- 1PB-08** Elucidation of Intramolecular Energy Transfer Mechanism and Its Temperature Dependence in a Light-Emissive Tb(III) Complex
(Kyushu Univ., Fac. Eng. Hokkaido Univ., Hokkaido Univ. WPI-ICReDD) © Motoaki GOTANDA, Shiori MIYAZAKI, Kiyoshi MIYATA, Yuichi KITAGAWA, Yasuchika HASEGAWA, Ken ONDA
- 1PB-09** Synthesis of *cis*-bis(iminomethylindole)platinum(II) complex by torsion structure and control molecular structure and photophysical property
(Grad. Sch. of Eng. Sci., Osaka Univ.) ○ Sakura GOTO, Soichiro KAWAMORITA, Takeshi NAOTA
- 1PB-10** Synthesis and stimuli responsiveness of platinum(II) complex with halogen functionalized 2-phenylpyridine ligand
(Grad. Sch. of Natural Sci. and Tech., Kanazawa Univ., NanoMat. Res. Inst., Kanazawa Univ.) © Tatsuya Nomoto, Yasuhiro Shigeta, Takuya Kurihara, Shogo Amemori, Tomonori Ida, Motohiro Mizuno
- 1PB-11** Structural control of Prussian blue analogues by alkali metal substitution
(Dept. of Mat. Sci., Osaka Metropolitan Univ.) © Marina Nishiura, Tomoaki Fushimi, Naoya Yoshikane, Kosmas Prassides
- 1PB-12** Study on Intramolecular Magnetic Interactions in 3d-Metal Complexes with a Paramagnetic Terpyridine Ligand
(Tokyo Univ. of Sci.) ○ Youta Nagumo, Yuichiro TSUJIHARA, Ryo YOKOTA, Takuya KANETOMO, Masaya ENOMOTO
- 1PB-13** Fabrication and physical properties of novel cyanide bridged CoFe dinuclear complexes
(Kumamoto Univ.) © Riku FUKUSHIMA, Yoshihiro SEKINE, Shinya HAYAMI
- 1PB-14** Theoretical study on frontier orbital of binuclear Ir–M (M=Fe, Co, Ni, Cu, Zn) complexes bridged by pyrazole ligand
(Grad. Sch. of Eng. Sci., Osaka Univ., QIQB, Osaka Univ., RCSEC, Osaka Univ., ICS Osaka Univ., CSRN, Osaka Univ.) ○ Yuta HAYASHI, Naoka AMAMIZU, Taigo KAMIMURA, Keigo TYO, Kazuaki TOKUYAMA, Keisuke SASAKI, Masahiro TSUDA, Ryohei KISHI, Yasutaka KITAGAWA

- 1PB-15** Syntheses and properties containing paramagnetic one-dimensional chains comprised of trans-bridged Pt–Cu–Pt trinuclear complexes and paddlewheel dirhodium complexes with metal–metal bonds
(Grad. Sch. of Eng., Gifu Univ., Fac. of Eng., Gifu Univ.) ©Atsushi TAKAMORI, Kazuhiro UEMURA
- 1PB-16** Correlation between Pressure-Induced Magnetic Hysteresis and Anisotropic Structural Change in Two-Dimensional Layered Iron Mixed-Valence Complex
(Tokyo Univ. of Sci., Japan Synchrotron Radiation Res. Inst. (JASRI)) ©Ryosuke, Taniai, Tsubasa, ENDO, Kyosuke NOMURA, Takuya, KANETOMO, Masaya, ENOMOTO, Saori, KAWAGUCHI, Hirokazu, KADOBAYASHI
- 1PC-01** Reactivity Regulations for Hoveyda-Grubbs-type Complexes with a Chalcogen Atom at the Terminal of the Ligand
(Div. of Mat. Sci., Grad. Sch. of Sci. and Tech., Nara Inst. of Sci. and Tech.) ©Tsubasa KINUGAWA, Shun HIROTA, Takashi MATSUO
- 1PC-02** Development of visible light driven photocatalytic reaction inspired by Z-scheme and application to synthesis of aryl boronic ester
(Grad. Sch. of Eng., Kyushu Univ., SANKEN, Osaka Univ.) © Kaito SASAKI, Keita SHICHIJO, Mamoru Fujitsuka, Hisashi SHIMAKOSHI
- 1PC-03** Photocatalytic Reactions Driven by Phase Migration of Ferrocenium/Ferrocene-type Electron Mediators
(Fac. of Sci. and Eng., Chuo Univ., Grad. Sch. of Eng., Kyoto Univ.) ©Ren ITAGAKI, Akinobu NAKADA, Ryu ABE, Ho-Chol CHANG
- 1PC-04** Development of Visible-Light-Driven 3-Component Acylcarboxylation of Alkenes Using CO₂ Gas and Benzimidazolines
(Osaka Univ., JST PRESTO) ○Taito WATANABE, Yutaka SAGA, Mio KONDO, Shigeyuki MASAOKA
- 1PC-05** CO₂ reduction activity of copper porphyrin complexes under electrochemical conditions
(Osaka Univ., JST PRESTO) ○Hina KASHIMA, Kento KOSUGI, Yutaka SAGA, Mio KONDO, Shigeyuki MASAOKA
- 1PC-06** Mechanism investigation of water oxidation reaction catalyzed by a ruthenium complex with a phenol moiety as an electron acceptor
(Grad. Sch. of Sci., Rikkyo Univ., Reserch Center for Artificial Photosynthesis, Osaka Metropolitan Univ.) ○RISA TAKABE, YUGO KUMAGAI, TAKASHI NAKAZONO, TOHRU WADA
- 1PC-07** Activation of hydrophobic Ru dye-sensitized photocatalysts by vesicle complexation
(Hokkaido Univ., Hokkaido Univ.) ○ Yusuke HIGASHIDA, Masaki YOSHIDA, Atushi KOBAYASHI

Room 2208

- 1PC-08** Development of a pentanuclear cobalt complex that catalyzes photochemical CO₂ reduction and formic acid dehydrogenation
(Grad. Sch. of Eng., Osaka Univ., JST PRESTO) ○Takuya AKAI, Yutaka SAGA, Mio KONDO, Shigeyuki MASAOKA

- 1PC-09** Electrochemical Insertion of CO₂ into C(sp³)-H Bonds
(Osaka Univ., JST PRESTO) ○Toshimichi KOBAYASHI, Yutaka SAGA, Mio KONDO, Shigeyuki MASAOKA
- 1PC-10** Synthesis and Redox Reactions of a Dinuclear Ruthenium Complex Containing Ru(bpy)₃ and Ru(OH₂) Moieties
(Grad. Sch. of Sci., Rikkyo Univ., Res. Center for Artificial Photosynthesis, Osaka Metropolitan Univ.) ○Tomoe TAJIMI, Yuto MORITA, Takashi NAKAZONO, Tohru WADA
- 1PC-11** Photochemical CO₂ Reduction Reaction Catalyzed by a Rhenium Complex Bearing an Anthryl Group
(Dept. of Chem., Grad. Sch. of Sci., Rikkyo Univ., Res. Center for Artificial Photosynthesis, Osaka Metropolitan Univ., Dept. of Chem., Sch. of Sci., Tokyo Inst. of Tech.) ○Sho Takimoto, Shota Sakurai, Takashi Nakazono, Yusuke Tamaki, Osamu Ishitani, Tohru Wada
- 1PC-12** Photochemical CO₂ Reduction Promoted by Co-NHC Complexes
(Dept. Chem. Kyushu Univ.) ○Koshi MAEDA, Kosei YAMAUCHI, Ken SAKAI
- 1PC-13** Theoretical Study of Direct Synthesis of H₂O₂ via a Rh^{III} Complex in Aqueous Solution
(Inst. for Mat. Chem. and Eng., Kyushu Univ., Center for Small Molecule Energy, Kyushu Univ.) ○Reynaldo Antonius Putra, Kazunari Yoshizawa, Seiji Ogo, Yoshihito Shiota
- 1PD-01** Visible-Light Induced H₂O₂ Production Catalyzed by Hf-based MOFs with Structural Defects
(Grad. Sch. of Eng., Osaka Univ., JST PRESTO) ◎Kotaro Honda, Yoshifumi Kondo, Yasutaka Kuwahara, Kohsuke Mori, Hiromi Yamashita
- 1PD-02** Development of the synthetic methodology for AB₂-type arsine ligands via dithiolate leaving group
(Grad. Sch. of Sci. and Tech., Kyoto Inst. of Tech.) ◎Akifumi SUMIDA, Hiroaki IMOTO, Kensuke NAKA
- 1PD-03** Synthesis of NNP-Ruthenium Complexes Having a Phosphinous Acid Moiety and Application to Catalytic Hydrogenation
(Fac. of Sci., Nara Women's Univ.) ◎Honoka KARITA, Yasutaka KATAOKA, Yasuyuki URA
- 1PD-04** C-H Bond Activation and Functionalization by Low-valent Cobalt Complexes Supported by Electron-donating Diamide Ligands.
(Osaka Univ.) ◎Suiho KOBAYASHI, Tsubasa HATANAKA, Yasuhiro FUNAHASHI
- 1PD-05** Solid-state properties of metal chlorophyll derivatives with a carbonyl group at the 3-position
(Fac. of Adv. Sci. and Tech., Ryukoku Univ.) ◎Yuki NAGAOKA, Tomohiro MIYATAKE
- 1PD-06** Catalytic Cyclotrimerization of Aromatic Nitriles Using Ti-chloride/Mg Systems
(Grad. Sch. of Sci. and Tech., Hirosaki Univ., Fac. of Sci. and Tech., Hirosaki Univ., Dept. of Mat. Sci. and BioEng., Nagaoka Univ. of Tech.) ◎Keiichiro SAITOH, Karin OIKAWA, Tomoyuki TODA, Masaaki OKAZAKI, Shun OHTA
- 1PD-07** Synthesis of Catalytic Properties of PCP-Pincer Iridium Complexes Containing N-Aryl Linkers
(Grad. Sch. of Eng., Nagoya Univ.) ◎Naoto UNO, Ryo NAKANO, Makoto YAMASHITA
- 1PD-08** The Structural Transformation Mechanism of a Series of Al-based MOFs
(Konan Univ.) ◎Shintaro TANAKA, Yohei TAKASHIMA, Takaaki TSURUOKA, Kensuke AKAMATSU
- 1PD-09** Synthesis and coordination chemistry of cationic silylene stabilized by an iminophosphonamide ligand
(Grad. Sch. of Sci. and Eng., Saitama Univ.) ◎Kazuki NAKAYA, Akihiko ISHII, Norio NAKATA

- 1PD-10** Palladium-catalyzed C(sp³)-H Acetoxylation at the β-Position of α-Amino Acids with the Aid of Amide Directing Group
(Grad. Sch. Sci., Osaka Metropolitan Univ.) ©Atsushi MATSUMURA, Yoshinosuke USUKI, Tetsuya SATOH

Room 2209

- 1PD-11** Oxovanadium-Catalyzed Synthesis of Symmetrical Ureas Based on the Activation of Carbon Dioxide
(Grad. Sch. of Sci., Osaka City Univ., Grad. Sch. of Sci., Osaka Metropolitan Univ.) ○ Takanari MATSUTANI, Kotaro AOYAMA, Toshiyuki MORIUCHI
- 1PD-12** Coordination Behavior of Anthraquinodimethane-Bridged Tetrapyrrolyl Ligand
(Chuo Univ.) ©Yuta SOTOME, Takahiro IWAMOTO, Youichi ISHII
- 1PD-13** Ligand Exchange Reactions on Hexanuclear and Tetranuclear Silylene Bridged Palladium Clusters
(The Univ. of Tokyo, IIS, The Univ. of Tokyo, JST PRESTO) ○Taiga Mitomo, Yusuke Sunada
- 1PD-14** Construction of covalent metal-organic frameworks with Paddlewheel diruthenium (II,II) Complex via Post-synthetic Molecular Modification
(Tohoku Univ., IMR, Tohoku Univ.) ©Chisa ITOH, Haruka YOSHINO, Wataru KOSAKA, Yusuke OOTANI, Momoji KUBO, Toyohiko KONNO, Hitoshi MIYASAKA
- 1PD-15** Reactivity of a Silanimine-Bridged Dinuclear Ruthenium Complex toward Lewis Acids.
(Grad. Sch. of Sci. and Tech., Hirosaki Univ.) ○Yusuke YARIMIZU, Shun OHTA, Masaaki OKAZAKI
- 1PD-16** Photo-Driven Aerobic Oxidation of Benzene to Phenol Catalyzed by a Zirconium(IV) Complex
(Dept. of Chem. and BioChem., Grad. Sch. of Eng., Kyushu Univ., InterNat. Inst. for Carbon-Neutral Energy Res., Kyushu Univ.) ○ Shuhei MITSUSE, Ko SAMESHIMA, Ryo NISHIKAWA, Seiji OGO, Takahiro MATSUMOTO
- 1PD-17** Effects of Ancillary Ligands and Silver Ions on Hydrosilylation of Alkynes Catalyzed by Carbodiphosphorane-Platinum Pincer Complexes
(Hiroshima Univ. Grad. Sch. of Adv. Sci. and Eng., Hiroshima Univ. Grad. Sch. of Sci.) ○Mai Maruyama, Kazuyuki Kubo, Hironori Ide, Hiroyuki Okitsu, Shoko Kume, Rong Shang, Tsutomu Mizuta
- 1PE-01** Reconstitution of heme acquisition protein from *Acinetobacter baumannii* with synthetic metal complexes
(Dept. of Chem., Grad. Sch. of Sci., Nagoya Univ.) ©Quoc Viet NGUYEN, Shinya ARIYASU, Yuichiro AIBA, Osami SHOJI
- 1PE-02** Reductive C(sp³)-C(sp³) homo-coupling of benzyl or allyl halides with H₂ using a water-soluble electron storage catalyst
(Grad. Sch. of Eng., Kyushu Univ., I2CNER, sMol) © Daiki SHIMAUCHI, Sayaka FUTAKUCHI, Keishi MIYAZAWA, Takeshi YATABE, Seiji OGO
- 1PE-03** Conjugation of a Protein/Oligopeptide with a Ru Complex toward Generating Artificial Photoredox Biocatalysts
(Grad. Sch. of Eng., Osaka Univ.) ©Ryusei KANO, Koji OOHORA, Takashi HAYASHI
- 1PE-04** Synthesis of Catalase-Albumin Cluster Incorporating Protoporphyrin IX as a Photosensitizer for Cancer Treatment
(Grad. Sch. of Sci. and Eng., Chuo Univ.) ©Taiga YAMADA, Maho KATSUMI, Teruyuki KOMATSU

- 1PE-05** DNA Double-Strand Break via Reductive O₂-Activation and Cytotoxicity by Dicopper(II) Complexes with *p*-Cresol-2,6-Bis(dpa^{4-X}) Amide-Tether Ligands
(Grad. Sch. of Sci. and Eng., Doshisha Univ.) ©Jin Ueno, Machi Hata, Yutaka Hitomi, Masahito Kodera
- 1PE-06** Oxidation of external substrates by (peroxo)diiron(III) complex with reversible oxygenation ability
(Kanazawa Univ.) ©Keisuke KASAHARA, Hideki FURUTACHI, Shigehisa AKINE, Yoko SAKATA, Shuhei FUJINAMI, Masatatsu SUZUKI
- 1PE-07** Heme degradation in *Yersinia pseudotuberculosis*
(Dept. of Biological Chem., Grad. Sch. of Sci. and Tech. for Innovation, Yamaguchi Univ.) ○Oba Kouhei, Tomoko Hirano, Shin-ichi Ozaki
- 1PE-08** Cp*Ir complex with mesobiliverdin ligand isolated from thermophilic cyanobacterium, *Thermolyprolyngbya* sp. O-77
(Grad. Sch. of Eng. Kyushu Univ., I2CNER, sMol) ○Kaho YAMADA, Takeshi YATABE, Ki-Seok YOON, Seiji OGO
- 1PE-09** Ru complex transfer reaction onto biomolecules using water-soluble Hoveyda-Grubbs-type complexes
(Div. of Mat. Sci., Nara Inst. of Sci. and Tech.) ○Asuki OKADA, Shun HIROTA, Takashi MATSUO

Room 2210

- 1PE-10** Surface-enhanced infrared absorption spectroscopy of cytochrome *c*-dependent nitric oxide reductase in a bilayer lipid membrane under electrocatalytic conditions
(Fac. of Environ. Earth Sci., Hokkaido Univ., Grad. Sch. of Environ. Sci., Hokkaido Univ., RIKEN SPring-8 Center) ○Masaru Kato, Masatoshi Iwafuji, Narumi Yoshida, Takehiko Toshi, Ichizo Yagi
- 1PE-11** Effect of Mutations on the Mechanical Property of Hydrogels Cross-Linked by Hexameric Hemoproteins
(Grad. Sch. of Eng., Osaka Univ.) ○Yuri Hidaka, Kazuki Kageyama, Koji Oohora, Takashi Hayashi
- 1PF-01** Binder-Free Cathodes Composed of Fe-Mn Prussian-Blue Analog and Single-Walled Carbon Nanotube Realizing High-Capacity and High-Rate Charge/Discharge
(Yamagata Univ.) ©Ryo TERASHIMA, Yuta ASAHINA, Manabu ISHIZAKI, Masato KURIHARA
- 1PF-02** Caged Bulky Organic Dyes in a Polyaromatic Framework and Their Spectroscopic Features
(Lab. for Chem. & Life Sci., Tokyo Tech) ©Mayuko UEDA, Natsuki KISHIDA, Lorenzo CATTI, Michito YOSHIZAWA
- 1PF-03** Photosensitized emission of a porphyrin-Yb(III) tetranuclear coordination compound with a cage structure
(Grad. Sch. of Chem. Sci. and Eng., Hokkaido Univ., Fac. of Eng., Hokkaido Univ., WPI-ICReDD, Hokkaido Univ.) ©Shota HOSOYA, Sunao SHOJI, Koji FUSHIMI, Yuichi KITAGAWA, Yasuchika HASEGAWA
- 1PF-04** High-Precision Separation of Fatty Acid Methyl Esters Using Metal-Organic Frameworks
(Grad. Sch. of Eng., The Univ. of Tokyo) ©Akihiro TORIMOTO, Nobuhiko HOSONO, Takashi UEMURA

- 1PF-05** Reduction-induced cesium ion capture with polyoxometalate encapsulated metal–organic frameworks
(Grad. Sch. of Arts and Sci., The Univ. of Tokyo) ©Cocoro A. Nagasaka, Naoki Ogiwara, Sayaka Uchida
- 1PF-06** Water-soluble metal-organic polyhedra as a versatile platform for the immobilization of enzymes
(Grad. Sch. of Sci., Kyushu Univ.) ©Ryosuke MINAMI, Benjamin LE OUAY, Masaaki OHBA
- 1PF-07** Electron-Conductivity-Phase Switching of Prussian-Blue Thin Films Controlled by their Redox States
(Yamagata Univ.) ©Shuuto MARUYAMA, Manabu ISHIZAKI, Masato KURIHARA
- 1PF-08** Guest-Induced Superionic Conduction Observed in Aluminum Salt-Included Metal–Organic Frameworks
(Grad. Sch. of Sci., Tokyo Univ. of Sci.) ©Ryo Nakashima, Masaaki Sadakiyo
- 1PF-09** Theoretical study on single-molecule electron conductivity of paddle-wheel type binuclear complexes for design guideline of single-molecule transistors
(Grad. Sch. of Eng. Sci., Osaka Univ., IQIB, Osaka Univ., RCSEC, Osaka Univ., ICS, Osaka Univ., CSRN, Osaka Univ.) ©Naoka AMAMIZU, Keisuke SASAKI, Keigo CHO, Taigo KAMIMURA, Kazuaki TOKUYAMA, Yuta HAYASHI, Masahiro TSUDA, Ryohei KISHI, Yasutaka KITAGAWA
- 1PF-10** Photocatalytic water oxidation by a carbon nitride photocatalyst modified with Rubda-type molecular catalyst
(Dept. Chem. Kyushu Univ.) ©Yuki TOMITA, Hironobu OZAWA, Ken SAKAI
- 1PF-11** Ion-Exchanging Metal–Organic Frameworks Consisting of Zirconium and Mellitic Acid for Selective Ammonium Recovery
(Div. of Chem., Grad. Sch. of Sci., The Univ. of Tokyo) ©Genki HATAKEYAMA, Teppei YAMADA
- 1PF-12** Au(I) complex toward inter-molecular correlated motions of giant rotator in crystal
(Grad. Sch. of Eng., Hokkaido Univ., WPI-ICReDD, Hokkaido Univ.) ©Hikaru Yamamoto, Rempei Ando, Mingoo Jin, Hajime Ito
- 1PF-13** Nitrate anion separation from water using water-stable metal-organic frameworks
(Grad. Sch. of Environ. Sci., Hokkaido Univ., Fac. of Environ. Sci., Hokkaido Univ.) ©Aditya Irfan Witono, Xin Zheng, Shin-ichiro Noro
- 1PF-14** Spin-polarized radical formation in acene-based metal-organic frameworks
(Dept. of Appl. Chem., Kyushu Univ., RIKEN, IMS, CMS, Kyushu Univ., JST FOREST) ©Kana ORIHASHI, Saiya FUJIWARA, Kenichiro TATEISHI, Tomohiro UESAKA, Mizue ASADA, Toshikazu NAKAMURA, Nobuo KIMIZUKA, Nobuhiro YANAI

Room 2211

- 1PF-15** Construction of Hydrogen Peroxide Fuel Cell Using Cobalt Chlorin as an Anode Catalyst
(Grad. Sch. of Eng., Osaka Metropolitan Univ., Res. Center for Artificial Photosynthesis, Osaka Metropolitan Univ.) ©Kazuki Hashimoto, Takashi Nakazono, Yusuke Yamada
- 1PF-16** Liquid Crystallinity and Luminescence Behavior of Trinuclear Gold(I) Complexes with Branched Side-Chains
(Ritsumeikan Univ. Grad. Sch. Life Sci., Ritsumeikan Univ. Life Sci.) ©Tamon Nakao, Kenta Yamaguchi, Osamu Tsutsumi

- 1PF-17** Creation of Particle Assemblies of Kagomé Nanoporous Metal Complex and Manifestation of Their Physical Properties
(Nagoya Univ.) ©Kohei NEGITA, Shinpei KUSAKA, Hiroaki IGUCHI, Ryotaro MATSUDA
- 1PF-18** The electric and structural effects of the ethynyl ligands for vapochromic platinum organometallics with phenanthroline
(Grad. Sch. of Eng.) ©Masoto OKADA, Tsuyoshi HANADA, Michito SHIOTSUKA
- 1PF-19** Preparation of Surface-Attached Chiral Vanadium Complexes with Chiral Amido Ligands on Silica
(Dept. Chem., Grad. Sch. Sci., Nagoya Univ., RCMS, Nagoya Univ.) ©Misaki INAGAKI, Keiko HIBI, Sora SHIRAI, Satoshi MURATSUGU, Mizuki TADA
- 1PF-20** Development of Transparent Film with Widely Tunable Emission Wavelengths Based on Proton-Responsive Pt(II)-NHC Complex
(Dept. of Chem., College of Humanities and Sci., Nihon Univ.) ©Chihiro SHIBUYA, Hajime KAMEBUCHI, Biao ZHOU
- 1PF-21** Development of a Function-Integrated System for Water Oxidation by Electrochemical Polymerization of Pentanuclear Iron Complexes
(Osaka Univ., JST PRESTO) ©Takumi MATSUZAKI, Hikaru IWAMI, Yutaka SAGA, Mio KONDO, Shigeyuki MASAOKA
- 1PF-22** Reversible Polarity Switching and Dielectric Property Control Triggered by Solvent Vapor Exposure in Luminescent Mononuclear Al(III) Complexes
(Tokyo Univ. of Sci.) ©Misato GEMBA, Fumiya KOBAYASHI, Makoto TADOKORO
- 1PF-23** Oxidation of methane using Fe complexes encapsulated into zeolite
(Grad. Sch. of Sci. and Eng., Ehime Univ.) ○Syuhei YAMAGUCHI, Maho SHIMADA, Hidenori YAHIRO
- 1PF-24** Aqueous electrolyte of the widest potential window and electrical double layer capacitor – effect of hydration radii of alkali and alkali earth metal ions on the electrical energy storage- (Qualtec Co. Ltd., Osaka Res. Inst. (ORIST), Tokai Univ.) ○S. Sugibyashi, H. Tomiyasu, Y.Y. Park, H. Atarashi, M. Saito, N. Asanuma
- 1PF-25** Synthesis of λ -Ti₃O₅ by using block copolymers
(Dept. of Material Sci., Fac. of Pure and Appl. Sci., Univ. of Tsukuba, Dept. of Chem., Sch. of Sci., The Univ. of Tokyo) ○Akito FUJISAWA, Yusuke ARAKI, Shin-ichi OHKOSHI, Hiroko TOKORO
- 1PF-26** Observation of magnetization development on thin films of hexacyanochromium-chromium
(Department of Mat. Sci., Fac. of Pure and Appl. Sci., Univ. of Tsukuba, Dept. of Chem., Sch. of Sci., The Univ. of Tokyo) ○Shuntaro NAGASHIMA, Yuji YAHAGI, Shin-ichi OHKOSHI, Hiroko TOKORO
- 1PF-27** Photoinduced electron-transfer and emission property of photosensitizer bound to the active site of chymotrypsin
(Fac. of Sci., Nara Women's Univ., Inst. of Adv. Energy, Kyoto Univ.) ○ Hiroshi TAKASHINMA, Risa YOKOYAMA, Eiji NAKATA
- 1PF-28** Structures and Magnetic Studeis on two-types of Cyano-Bridged Ni–W coordination network.
(Univ. of Tsukuba, The Univ. of Tokyo) ○Shintaro AKAGI, Junhao Wang, Kenta IMOTO, Shin-ichi OHKOSHI, Hiroko TOKORO
- 1PF-29** Capture of reactive Rh(I) complex in saponite and its water adduct
(Yokohama City Univ.) ○Shota Tanaka, Shingo Hattori, Kazuteru Shinozaki

- 1PF-30** Bottom-up Fabrication of Modifiable Ultrathin MOF Nanosheets: Synthesis, Mechanism, and Surface Modifications
(Grad. Sch. of Eng., The Univ. of Tokyo) ○Siyuan YE, Nobuhiko HOSONO, Takashi UEMURA

Room 2212

- 1PF-31** N-Confused Metalloporphyrin-doped Photocatalyst Toward Water Splitting Reaction
(Grad. Sch. of Eng., Kyushu Univ., Grad. Sch. of Sci., Tokyo Metropolitan Univ., Res. Organization of Sci. and Tech., Ritsumeikan Univ.) ○Naoya Yoshida, Masatoshi Ishida, Souji Shimizu, Hiroyuki Huruta
- 1PF-32** Electrochemical and spectrochemical evaluation of layered MnO₂ thin films with wavelength dependence
(Kanto Gakuin Univ) ○Akinobu HANAYA, Makoto ITAKURA, Mayumi ABE, Kazuaki TOMONO
- 1PF-33** Self-assembly of Visible-Light Responsive Coordination Hosts with Platinum Group Metal Vertices
(Sch. of Eng., The Univ. of Tokyo, Inst. for Molecular Sci.) ○Rikuya TANAKA, Haruka SUNOHARA, Hiroki TAKEZAWA, Makoto FUJITA
- 1PF-34** Synthesis of an anionic metal-organic framework including magnesium ion through ion exchange and its ionic conductivity
(Grad. Sch. of Sci., Tokyo Univ. of Sci.) ○Shintaro NIWA, Masaaki SADAKEYO
- 1PF-35** Brønsted Acid/Base Site Isolated in a Pentanuclear Scaffold
(Osaka Univ., IMS, SOKENDAI, JST PRESTO) ○Misa Tomoda, Yutaka SAGA, Mio KONDO, Shigeyuki MASAOKA
- 1PF-36** Crystal-Structure Control in Trinuclear Gold(I) Complexes by Photoirradiation
(Ritsumeikan Univ. Grad. Sch. Life Sci.) ○Yosei WAKASA, Osamu Tsutsumi
- 1PF-37** Control of Circularly Polarized Luminescence Properties of Chiral Schiff-base Zn(II) Complexes
(College of Ind. Tech., Nihon Univ., Grad. Sch. of Sci. and Eng., Kindai Univ.) ○Masahiro Ikeshita, Momo Mizugaki, Takahiro Ishikawa, Kana Matsudaira, Maho Kitahara, Yoshitane Imai
- 1PF-38** Emission Properties of Eu(III) Coordination Polymer with Linker Ligand Containing Electron Donating and Withdrawing Substituents
(Grad. Sch. of Chem. Sci. and Eng., Hokkaido Univ., Inst. for Chem. Reaction Design and Discovery (WPI-ICReDD), Hokkaido Univ., JST-ERATO Maeda Artificial Intelligence in Chem. Reaction Design and Discovery Project, Fac. of Eng., Hokkaido Univ.) ○Miyu HARUKAWA, Hideaki TAKANO, Tsuyoshi MITA, Sunao SHOJI, Koji FUSHIMI, Yuichi KITAGAWA, Yasuchika HASEGAWA
- 1PF-39** Synthesis and evaluation of 3d transition metal and alloy clusters by using multi-nuclear metallodendrimers
(Tokyo Tech, Lab. Chem. Life Sci., JST-PRESTO, JST-ERATO) ○Tatsuya MORIAI, Takamasa TSUKAMOTO, Tetsuya KAMBE, Takane IMAOKA, Kimihisa YAMAMOTO
- 1PF-40** Fabrication of Thin Films Based on Semiconducting Coordination Polymers with Silver-Sulfur Networks
(Kwansei Gakuin Univ., Osaka Metropolitan Univ.) ○Sawa Hongo, Hayato Kominami, Ryohei Akiyoshi, Kenji Okada, Masahide Takahashi, Daisuke Tanaka

- 1PF-41** Theoretical Study of Substituent Effect on Frontier Orbital Energies of Tris(2,2'-bipyridine) Ruthenium(II) Complex
(Grad. Sch. of Eng. Sci., Osaka Univ., CSRN, Osaka Univ., QIQB, Osaka Univ., RCSEC, Osaka Univ., ICS, Osaka Univ.) ○Kazuaki Tokuyama, Hiromasa Sato, Naoka Amamizu, Keigo Cho, Taigo Kamimura, Keisuke Sasaki, Masahiro Tsuda, Yuta Hayashi, Ryohei Kishi, Yasutaka Kitagawa
- 1PF-42** Theoretical study on coordinated halogen ions and magnetic anisotropy of bathocuproine cobalt(II) complexes
(Grad. Sch. of Eng. Sci., CSRN, Osaka Univ, QIQB, Osaka Univ, RCSEC, Osaka Univ, ICS, Osaka Univ) ○Masahiro TSUDA, Keigo CHO, Naoka AMAMIZU, Keisuke SASAKI, Yuta HAYASHI, Kazuaki TOKUYAMA, Taigo KAMIMURA, Ryohei KISHI, Yasutaka KITAGAWA
- 1PF-43** Photochemical properties of expanded π -conjugated platinum(II) complexes
(Yokohama City Univ.) ○Mizuki Ogishima, Shingo Hattori, Kazuteru Shinozaki
- 1PF-44** Helical Arrangement of 1-dimensional Perovskite Crystal Films Controlled by Chiral Organic Molecules
(Fac. of Life & Environmental Sci., Teikyo Univ. of Sci.) ○Atsushi Fukasawa, Ayumi Ishii
- 1PF-45** Synthesis and photophysical properties of Eu(III) coordination polymers with amide units
(Grad. Sch. of Chem. Sci. and Eng., Hokkaido Univ., Fac. of Eng., Hokkaido Univ., WPI-ICReDD) ○Joe Hayashi, Sunao SHOJI, Yuichi KITAGAWA, Koji FUSHIMI, Yasuchika HASEGAWA
- 1PF-46** Binder-Free Cathodes Composed of Fe-Zn Prussian-Blue Analogs and Single-Walled Carbon Nanotubes Realizing Super High-Rate Charge/Discharge
(Yamagata Univ.) ○Yuta Asahina, Ryo Terashima, Manabu Ishizaki, Masato Kurihara
- 1PF-47** Anomalous Morphological Behaviors and Unique Emission Properties of Porphyrin and BODIPY Glasses and Supercooled Liquids
(Kyoto Inst. of Tech.) ○Mitsuhiko Morisue, Minami Nakamura, Masashi Yamaguchi, Sono Sasaki