

August 28 (1P01-1P35)

16:00-16:40 (Preview, Rm 501)

16:40-18:00 (Discussion, 5th Floor Lobby)

Topic 3 Capped Metal Nanoparticles

1P01 Gold Nanorod Assemblies on Anionic Glass Surfaces

(Kinki University Kyushu) Kanako Honda, Yasuro Niidome, Hirofumi Kawazumi, Sunao Yamada, Naotoshi Nakashima

1P02 Preparation of Gold Nanoparticles by Using Quaternary Ammonium Salt-Type Multichain Surfactants

(Kumamoto University) Yutaka Kuwahara, Minoru Morita, Hiroaki Endo, Keishiro Yoshimori, Masako Sakai, Keisuke Tomita, Tsuyoshi Sawada, Sunao Yamada, Hideto Shosenji

1P03 Unique Optical Properties of Porphyrin Derivative-Protected Gold Nanoparticles

(University of Tsukuba) Hirokazu Takahashi, Masayuki Kanehara, Toshiharu Teranishi

1P04 Synthesis, Separation and Characterization of Au Core CdS Shell Nanoparticles

(Suzhou University) Yukou Du, Ying Wang, Naoto Nishide, Hu Yan, Naoki Toshima

1P05 Inclusion Complex Formation and Active Oxygen Quenching Ability of Cyclodextrin-Capped Metal Nanoparticles

(Tokyo University of Science, Yamaguchi) Miki Hashimura, Fumiaki Hisamatsu, Yukihide Shiraishi, Naoki Toshima

1P06 Formation of Au-Ag Nanoparticles by an Extraordinary Way

(Tokyo University of Science, Yamaguchi) Nobuyasu Morita, Hu Yan, Naoki Toshima

1P07 Spectroscopic Characterization of the Strength of Interaction of Silver Nanoparticle/DNA Base Bionanoconjugates

(Indian Institute of Technology) Soumen Basu, Sujit Kumar Ghosh, Tarasankar Pal

1P08 New Hybrid Plasma-Chemical Method of Silver Adhesive Deposition into Polyimide Films

(Institute of Chemical Sciences) Rinat Iskakov, Tleuken Akhmetov, Irina Razumovskaya, Alain Perichaud, Brigitte Muttel, Marc Abadie

1P09 Hydrogel-Coated Palladium and Silver Nanoparticles

(Institute of Polymer Materials and Technology) Zhanar E. Ibraeva, Alima K. Zharmagambetova, Sarkyt Kudaibergenov, Joachim Koetz, Esen A. Bekturov

1P10 Preparation and Electrochemical Properties of Nafion-Protected Pt Nanoparticles

(Tokyo University of Science, Yamaguchi) Takahiro Yoshimoto, Naoki Toshima

1P11 Pt Nanoparticles Included in Ceria as Oxidation Catalyst

(Tokyo University of Science, Yamaguchi) Hiroshi Chiku, Junjie Kang, Masanori Fujii, Hu Yan, Naoki Toshima

1P12 Size-Controlled Synthesis of Pd Nanoparticles Protected by 4-Cyano-4'-Pentylbiphenyl

(Tokyo University of Science, Yamaguchi) Shotaro Ohta, Naoto Nishida, Kinya Matsumoto, Yukihide Shiraishi, Naoki Toshima

1P13 Solid State NMR of Deuteron Absorbed in Polymer-Protected Palladium Nanoparticles

(Kyushu University) Miho Yamauchi, Hiroshi Kitagawa

1P14 Effect of Ag/Pd Bimetallic Nanoparticle Dopant on Liquid Crystal Device

(Tokyo University of Science, Yamaguchi) Naoto Nishida, Yukihide Shiraishi, Shunsuke Kobayashi, Naoki Toshima

1P15 Control of Hydrogen-Storage Capacity for Pd/M Bimetallic Nanoparticles with Shell Metals (M=Ir, Pt, Au)

(Kyushu University) Hirokazu Kobayashi, Miho Yamauchi, Hiroshi Kitagawa

1P16 Synthesis and Characterization of PdCoPd Sulfide Nanoparticles

(University of Tsukuba) Masaki Saruyama, Masafumi Nakaya, Masayuki Kanehara, Toshiharu Teranishi

1P17 Novel Synthesis of Zinc-Palladium Nanoparticles

(University of Tsukuba) Ryota Sato, Masafumi Nakaya, Masayuki Kanehara, Toshiharu Teranishi

1P18 Creation of PVP-Protected PdTe Nanoparticles and Their Application to Oxidation Catalyst
(Tokyo University of Science, Yamaguchi) Mitsuru Sannomiya, Norihisa Watanabe, Naoki Toshima

1P19 Construction and Electro-Optic Properties of Liquid-Crystal Display Doped by Cyclodextrin Polymer-Capped Rh Nanoparticles
(Tokyo University of Science, Yamaguchi) Nobuaki Okamura, Yukihide Shiraishi, Shunsuke Kobayashi, Naoki Toshima

1P20 Hydrogen Absorption Properties of Polymer-Coated Ruthenium Nanoparticles
(Kyushu University) Masanobu Kotsubo, Miho Yamauchi, Hiroshi Kitagawa

1P21 Synthesis of PVP-Protected Nickel Nanoparticles and Their Structural Change with Hydrogen
(Kyushu University) Natsumi Soejima, Hirokazu Kobayashi, Miho Yamauchi, Hiroshi Kitagawa

1P22 Design of Magnetoactive Nanohybrid Sorbents on the Basis of Humic Substances
(Institute of Applied Biochemistry and Machine-Building OJSC) Vladimir Muratov, Sharipa Jorobekova, Kamila Kydralieva, Anar A. Zaripova, Gulzhian I. Djardimalieva, Svetlana I. Pomogailo, Anatoly D. Pomogailo

1P23 Synthesis of Zinc Oxide Nanoparticles by Microwave and Ultrasonic Irradiation
(Tokyo University of Science, Yamaguchi) Masahiro Imai, Naoto Nishida, Naoki Toshima

1P24 Vanadium Complexes Possessing $N_2O_2S_2$ Based Ligands as Highly Active Pro-catalysts for the Homo-Polymerization of Ethylene and Co-Polymerization of Ethylene/1-Hexene
(University of East Anglia) Damien Homden, Carl Redshaw, David Hughes

1P25 Coordination Chemistry of Bis(imino)phenoxide Derived Macrocyclic Ligands
(University of East Anglia) Carl Redshaw, Abdesamad Arbaoui, Mark Elsegood, David Hughes, Masashi Takimoto, Shinpei Miyamoto, Takehiko Yamato

Topic 8 Photophysical Functions (Energy transfer, Electron transfer, Photoenergy conversion)

1P26 Photoinduced Electron Transfer from Pyrenesulfonate to Anionic Quinones in Alkyltrimethylammonium Micelles
(Okayama University of Science) Takeshi Koba, Makoto Takezaki, Toshihiro Tominaga

1P27 Size- and Temperature-Dependence of Optical Properties of Zinc-Blende CdTe Nanocrystals
(Nara Institute of Science and Technology) Yoshiyuki Nonoguchi, Takuya Nakashima, Tsuyoshi Kawai

1P28 Sensitized Photopolymerization Using Semiconductor Nanocrystal
(Nara Institute of Science and Technology) Takuya Nakashima, Makiko Sakashita, Yoshiyuki Nonoguchi, Tsuyoshi Kawai

1P29 Fluorescence Quenching of An Anionic Porphyrin by Gold Nanoparticles Protected by Alkyltrimethylammonium Chlorides
(Okayama University of Science) Makoto Takezaki, Toshihiro Tominaga

1P30 Electron Transfer of Porphyrin-Polypeptide Composite Particles Produced by Laser Ablation
(Kagoshima University) Myint Thein Tun, Junichi Kurawaki

1P31 Spectroscopic Characterization of Self-Assembled Porphyrin-Polypeptide Complexes Produced by Laser Ablation in Poor Solvents
(Kagoshima University) Daiki Maki, Myint Thein Tun, Junichi Kurawaki

1P32 Construction of a Hydrogen Evolution System by Using Artificial Porphyrin-Antibody Complexes
(Osaka University) Hiroyasu Yamaguchi, Takeshi Onji, Noriaki Ikeda, Akira Harada

1P33 Syntheses and Photovoltaic Properties of Zn-Porphyrin Derivatives for Organic Solar Cells and Dye-Sensitized Solar Cells
(Pusan National University) Jin-Kook Lee, Young-Guen Kim, Sung-il Jang, Yong-Rae Cho, Sung-Hae Park, Mi-Ra Kim

1P34 Dye-Sensitized Solar Cell Using Metal-Assembling Dendrimer
(Keio University) Norifusa Satoh, Toshio Nakashima, Kimihisa Yamamoto

1P35 Investigation of Dye-sensitized Solar Cells with High Photovoltaic Efficiency by Ion-Implantation Treatment
(Kitakyushu National College of Technology) Hirokazu Yamane, Yuki Ohba, Tuyoshi Haraguchi, Shigenori Matsushima, Hiroyuki Nakamura, Kenji Yamada, Tisato Kajiyama

1P36 Efficient Production of Highly Stable Radical-Ion-Pair Separated with a Rigid π -Conjugating Dendrimer Shell
(Keio University) Takane Imaoka, Naoki Inoue, Kimihisa Yamamoto

August 29 (2Pa01-2Pa27)

11:00-11:30 (Preview, Rm 502)

11:30-12:30 (Discussion, 5th Floor Lobby)

Topic 1 Macromolecule-Metal Complexes

2Pa01 Ion Exchange/Chelating Resins with Imidazole Ligands for the Sorption of Gold Complexes
(Wroclaw University of Technology) Magdalena Pilsniak, Andrzej W. Trochimczuk

2Pa02 Complexation of Aminocrotonate Based Polybetaines with Metal Ions
(Institute of Polymer Materials and Technology) Sayan Salmenbayev, Lyazzat K. Orazzhanova, Marziya G. Yashkarova, Sarkyt E. Kudaibergenov

2Pa03 Selective Na⁺ Ion Complexation by Biomass-based Linear Polymers Prepared from Lignin-Derived Stable Intermediate
(Tokyo University of Agriculture and Technology) Tsuyoshi Michinobu, Yasunori Inazawa, Masami Bito, Yuichiro Otsuka, Masaya Nakamura, Eiji Masai, Shinya Kajita, Yoshihiro Katayama, Seiji Ohara, Kiyotaka Shigehara

2Pa04 Organoruthenium Dendrimers Possessing Tri(4-ethynylphenyl)amine Bridges
(Osaka University) Kiyotaka Onitsuka, Shigetoshi Takahashi

2Pa05 Metal Assembling and Clusterization in Dendritic Polyphenylazomethines
(Keio University) Kensaku Takanashi, Kimihisa Yamamoto

2Pa06 Excellent Electrochromic Functions of Novel Organic-Metallic Hybrid Polymers
(National Institute for Materials Science) Masayoshi Higuchi

2Pa07 Preparation of Poly(vinyl pyrrolidone)-Based Composites Containing Silver Nanoparticles
(Institute of Chemical Sciences) Sergey Shmakov, Rinat Iskakov, Bulat Zhubanov, Esen Bekturov

2Pa08 Synthesis of Pd-Containing Cyclic Polymers by Living Polymerization of Methylene cyclopropanes
(Tokyo Institute of Technology) Daisuke Takeuchi, Akihisa Inoue, Fujio Ishimaru, Kohtaro Osakada

2Pa09 Preparation of Methacrylate Block Copolymers Containing Cobaltporphyrin Complex and Facilitated Oxygen Transport through the Microphase-Separated Structure
(Waseda University) Masami Shoji, Hiroyuki Nishide, Long Timothy

2Pa10 *Cis-Trans* Isomerization of Olefin-Containing Polyesters via Macromolecular Ruthenium Complex
(Kyushu University) Masahide Sakada, Sono Sasaki, Hiroyasu Masunaga, Kenichi Kato, Hideyuki Otsuka, Atsushi Takahara

2Pa11 Cross-Metathesis of Olefin-Containing Polyester and Polybutadiene/Polyisoprene via a Macromolecular Ruthenium Complex
(Kyushu University) Hideyuki Otsuka, Masahide Sakada, Takatoshi Muta, Sono Sasaki, Hiroyasu Masunaga, Kenichi Kato, Masaki Takata, Atsushi Takahara

2Pa12 Synthesis of Functionalized Compounds Applied to the Elaboration of New Doped Materials for Laser Target
(Commissariat AL Energie Atomique) Moreau Louis, Balland-Longeau Alexia, Velasquez Emilie, Thibonnet Jerome, Duchene Alain

2Pa13 Macroligand Properties of Humic Substances
(National Academy of Science) Sharipa Jorobekova, Kamila Kydraliev

2Pa14 Humic Substances and Their Derivatives as Promising Detoxicants of the Combined Action
(National Academy of Science) Elnura M. Khudaibergenova, Sharipa Jorobekova, Sergey P. Li, Kamila Kydraliev

2Pa15 Extraction of Palladium(II) and Silver(I) by Phosphorus Containing Crosslinked "Ionic Liquid Gels"
(Wroclaw University of Technology) Andrzej W. Trochimczuk

Topic 5 Supramolecular Complexes and Self-Assembly (MOF)

2Pa16 Polymerization in Coordination Nanospaces
(Kyoto University) Takashi Uemura, Susumu Kitagawa

2Pa17 Structural and Magnetic Study of N₂, NO, NO₂, and SO₂ Adsorbed within a Flexible Single-Crystal Adsorbent of [Rh₂(bza)₄(pyz)]_n
(Yokohama City University) Chihiro Kachi-Terajima, Takamasa Akatsuka, Masa-aki Kohbara, Satoshi Takamizawa

2Pa18 Synthesis and Structural Study for a Porous Single Crystal Capable of Adsorbing Gases into Its Isolated Cavities
(Yokohama City University) Masa-aki Kohbara, Satoshi Takamizawa

Topic 7 Conductive Properties (Conductivity, Photoconductivity, Ionic conductivity)

2Pa19 One Dimensional Li-Ion Transport in Diblock Copolymer Membrane with Perpendicularly Oriented Nanocylinder Arrays
(Tokyo Institute of Technology) Jingze Li, Kaori Kamata, Tomokazu Iyoda

2Pa20 Mixed Proton and Electron Conduction Property of [NIDT]
(Kyushu University) Teppei Yamada, Hiroshi Kitagawa

2Pa21 Novel Proton-conductive Copper Coordination Polymer for Humidity Sensor
(Kyushu University) Akihito Shigematsu, Teppei Yamada, Hiroshi Kitagawa

2Pa22 Improved Gilch Synthesis of Poly(phenylene vinylenes) through Profound Mechanistic Understanding
(Darmstadt University of Technology) Matthias Rehahn, Thorsten Schwalm

2Pa23 Poly(3,4-ethylenedioxythiophene) Synthesized with Partially Sulfonated Polystyrene as a Polymer Dopant and Its Application
(Korea University) Chin Su Park, Tae Hee Lee, Jong Eun Kim, Kwang Suk Suh

2Pa24 Biochemical Synthesis of Waterborne Conducting Molecular Complex of Polyaniline and Polyurethane Ionomers as New Templates III
(Iran Polymer & Petrochemical Institute (IPPI)) SeyedMohammad SeyedMohaghegh, Mehdi Barikani, AliAkbar Entezami

2Pa25 Controlled Polymerization of Conjugated Helical Isocyanides Initiated by Isocyanide-Nickel(II) Complexes toward 'Self-Driven' Molecular Wire
(Tokyo Institute of Technology) Ayako Joza, Sakiko Minagawa, Sadayuki Asaoka, Tomokazu Iyoda

2Pa26 Modification of Textile Fibers by Conducting Polymers and Metal Nanoparticles
(University of Pisa) Vera Lucia Covolani, Giacomo Ruggeri, Francesco Ciardelli, Alessio Varesano, Claudio Tonin, Annalisa Aluigi

2Pa27 Doping Dependence of Polaron Hopping Energies in La_{1-x}Ca_xMnO₃
(University of Miami) Krishna Neupane, Joshua Cohn, John Neumeier

August 29 (2Pb01-2Pb25)

11:00-11:30 (Preview, Rm 503)

11:30-12:30 (Discussion, 5th Floor Lobby)

Topic 10 Functions and Applications (Electronic, Optical, Magnetic)

2Pb01 Magnetic Properties of Metallopolymer Nanocomposites

(Institute of Problems of Chemical Physics Russian Academy of Sciences) Gulzhian Dzhardimalieva, Nina Golubeva, Aleksander Rozenberg, Anatolii Pomogailo, Roman Morgunov, Aleksei Dmitriev, Marcin Leonowicz, Ewa Sowka

2Pb02 Magnetoresistance Performance of Nitroxide Radical Molecules

(Waseda University) Fumiaki Kato, Yoshihiko Kinugasa, Junji Kido, Hiroyuki Nishide

2Pb03 Luminescent Membrane Composed of Platinumporphyrin/Polyacetylene for Dual Visualization of Oxygen Pressure and Temperature

(Waseda University) Tsuyoshi Hyakutake, Junji Kato, Hiroyuki Taguchi, Kenji Miyatake, Masahiro Watanabe, Hiroyuki Nishide

2Pb04 Porphyrin Complexes for Two-photon Absorption Materials

(Nara Institute of Science and Technology) Kazuya Ogawa, Kenji Kamada, Koji Ohta, Yoshiaki Kobuke

2Pb05 Near Infrared Emission from A Series of Neodymium α -Diketonate Complexes

(Kyushu University) Lifen Yang

2Pb06 Fluorescence Dynamics of Dispersed Dyes in Ultrathin Polymer Films

(Kyushu University) Youhei Okada, Keiji Tanaka, Toshihiro Nagamura

2Pb07 Fluorescent Sensors for Chiral Amines Based on Molecularly Imprinted Polymers

(University of Leeds) Thu Hien Nguyen, Ansell Richard J.

2Pb08 Solid State Chromism of Spiropyran with Shear Stress

(Tokyo University of Science, Yamaguchi) Makoto Inokuchi, Yasunari Sakka, Kazuhiro Yabuuchi, Kyuya Yakushi, Ichimin Shirovani

2Pb09 Calorimic Study on Grafted Polymers for Novel Water-borne Paints

(Tokyo University of Science, Yamaguchi) Hiroka Kawamitsu, Hu Yan, Yoshinori Kushi, Teruaki Kuwajima, Keizo Ishii, Naoki Toshima

2Pb10 Triphenylene-Based Aminium Cationic Radicals: Macro- and Supramolecular High-Spin Polyradicals

(Waseda University) Shu Kaiho, Takeshi Ibe, Kenichi Oyaizu, Hiroyuki Nishide

2Pb11 Preparation and Characterizations of Novel Bipolar Membrane by Plasma-Induced Polymerization.

(National Cheng Kung university) Sheng-De Li, Cheng-Chien Wang, Chuh-Yung Chen, Yu-Jen Peng

2Pb12 Fabrication of Optical Humidity Sensor Using Ru(bpy)₃²⁺ Confined in Polysaccharide Membranes

(Tsukuba Gakui University) Kiyomi Takato, Masao Kaneko

2Pb13 High-Contrast Multicolor Electrochromic Performance of an All-Solid Electrochromic Device Using a WO₃ / Tris(2,2'-bipyridine)ruthenium(II) / Polymer Hybrid Film

(Niigata University) Koji Sone, Masayuki Yagi

2Pb14 Preparation of Porous Thin Films of (Partially) Aliphatic Polyimides

(Yonsei University) Chang-Hyung Lee, Sung-Youl Cho, Chan-Moon Chung, Joong-Gon Kim

2Pb15 Synthesis and Characterization of Shish-Kebab Type Fluorinated Liquid Crystalline Copolymers

(Zhengzhou University) Qun Xu

2Pb16 Shish-kebab Type Liquid Crystalline Poly(fluorene-phenylene)s: Synthesis and Properties

(Zhengzhou University) Shijun Zheng

2Pb17 The Novel Synthesis and Properties of Carbazole-Phenylazomethine Double Layer-Type Dendrimer
(Keio University) Ken Albrecht, Yuto Kasai, Kimihisa Yamamoto

2Pb18 Mass Transfer and Charge Propagation Process in Radical Polymer Batteries
(Waseda University) Kenichi Oyaizu, Takeo Suga, Hiroyuki Nishide

2Pb19 Effect of Active Layer Thickness on Performance of Polymer Organic Solar Cells
(Kyushu University) Daisuke Baba, Keiji Tanaka, Toshihiko Nagamura

2Pb20 Plastic Schottky Diodes Fabricated by a Line Patterning Method
(University of Yamanashi) Hu Yan, Shunsuke Endo, Yusuke Hara, Hidenori Okuzaki

2Pb21 Conductance Photoswitching of 2-Thienyl Type Diarylethene-Gold Nanoparticle Network
(Kyushu University) Hidehiro Yamaguchi, Masahiro Irie, Kenji Matsuda

2Pb22 Metal Nanoparticles in Optical Resin
(University of Tokyo) Yuichi Shishino, Tetsu Yonezawa, Nao Terasaki, Kazufumi Sakai, Hiroshi Nishihara

2Pb23 Fabrication of Metal Nanoline Array by Electroless Plating
(RIKEN) Kentaro Miyosih, Shigenori Fujikawa, Toyoki Kunitake

2Pb24 The Development of Novel Methods for Synthesis Semiconductor Nanoparticles in Polymer Matrix
(Institute of Problems of Chemical Physics Russian Academy of Sciences) Svetlana Pomogailo

2Pb25 A New Type of Thin-Film Memory Device Based on Radical Polymer and Gold Nanoparticle
(Waseda University) Kentaro Susuki, Yasunori Yonekuta, Kenichi Oyaizu, Kenji Honda, Hiroyuki Nishide

August 30 (3Pa01-3Pa26)

11:00-11:30 (Preview, Rm 502)

11:30-12:30 (Discussion, 5th Floor Lobby)

Topic 4 Organic-Inorganic Hybrids

3Pa01 Stepwise Metal Assembly in Dendritic Polyphenylazomethines
(Keio University) Yousuke Ochi, Atunobu Fujii, Kimihisa Yamamoto

3Pa02 Three-dimensional Gold Nanoparticle Network via Sublimation of Volatile Organic Crystals Decorated with Gold Nanoparticles
(Kyushu University) Yuzo Fujiki, Kazuki Sada, Seiji Shinkai

3Pa03 In-situ Inverse Microemulsion Polymerization of Polyaniline / Attapulgite Coaxial Cable-Like Nanocomposite
(Donghua University) Wei Li, Qinghua Zhang, Dajun Chen

3Pa04 Preparation of (Organic/Inorganic Nanofiber) Hybrid Using Conjugated Oligomer/Polymer with Phosphonic Acid Groups
(Kyushu University) Kazuya Yamamoto, Nattha Jiravanichanun, Atsushi Irie, Hideyuki Otsuka, Atsushi Takahara

3Pa05 Hybridization of Conjugated Polymer and Inorganic Nanofiber via Layer-by-Layer Deposition
(Kyushu University) Nattha Jiravanichanun, Kazuya Yamamoto, Hideyuki Otsuka, Atsushi Takahara

3Pa06 Grafting of Reactive Polymer Shell onto Magnetic Nanoparticle as a Platform of Functional Shell
(Tohoku University) Jun Matsui, Salina Parvin, Eriko Sato, Tokuji Miyashita

3Pa07 Preparation of Gold/Polymer Hybrid Catalyst
(Tokyo Metropolitan University) Kyoko Kuroda, Tamao Isida, Masatake Haruta

3Pa08 Molecular Aggregation States and Physicochemical Properties of Poly(Vinyl Alcohol) and Its Derivatives
(Kyushu University) Yuki Terayama, Motoyasu Kobayashi, Kenichi Kato, Atsushi Takahara

3Pa09 Preparation of High-Density Chromatographic Organic Phase by Surface Initiated Atom Transfer Radical Polymerization for RP-HPLC
(Kumamoto University) Mohammed Mizanur Rahman, Abul K. Mallik, Miklos Czaun, Makoto Takafuji, Hiroataka Ihara

3Pa10 Preparation of Gold Clusters Supported on Porous Coordination Polymers
(Tokyo Metropolitan University) Megumi Nagaoka, Tamao Ishida, Masatake Haruta

3Pa11 Formation of New Porphyrin-Polyoxometalate Complexes
(Université Paris-Sud 11) Isabelle Lampre, Claire Costa-Coquelard, Sébastien Sorgues, Jacqueline Canny, René Thouvenot, Laurent Ruhlmann

3Pa12 Syntheses and Properties of Bis(2,3-Pyrazinedithiolate)metal Complexes (M = Ni, Pd, Pt) for Proton and Electron Transfer System
(Kyushu University) Yuki Takahashi, Sota Shibahara, Hiroshi Kitagawa, Yoshiki Ozawa, Koshiro Toriumi

3Pa13 High Pressure Properties of the Mixed-Valence MMX-Chain Complex, $Pt_2(dtp)_4I$ ($dtp = C_2H_5CS_2^-$)
(Kyushu University) Kazuya Otsubo, Atsushi Kobayashi, Hiroshi Kitagawa, Masato Hedo, Yoshiya Uwatoko, Yusuke Wakabayashi, Hiroshi Sawa

3Pa14 Charge-Density-Waves Correlation in Two-Leg MX-Ladder System
(Kyushu University) Atsushi Kobayashi, Hiroshi Kitagawa

3Pa15 Electro-Optic Properties of LCD Doped with ZnO Nanoparticles
(Tokyo University of Science, Yamaguchi) Hui Jiang, Naoki Toshima

3Pa16 Fabrication of Nano-assembled TiO_2 /Cyclodextrin Films for Highly Efficient Detection of Nitro-aromatics
(University of Kitakyushu) Naoki Takahara, Seung-Woo Lee, Toyoki Kunitake

3Pa17 Enantioselective Imprinting of Propranolol in TiO₂ Nanofilms
(University of Kitakyushu) Naoki Mizutani, Yang Do-Hyeon, Lee Seung-Woo, Toyoki Kunitake

3Pa18 Micro-Patterning of Silver Nano-particles in TiO₂/Polyacrylic Acid (PAA) Alternate Thin Films
(University of Kitakyushu) Suguru Kodaira, Seung-Woo Lee, Toyoki Kunitake

3Pa19 Fabrication of Metal Oxide Nanotapes by Wet-Nanocoating Process.
(RIKEN) Shigenori Fujikawa, Rie Takaki, Toyoki Kunitake

Topic 6 Polyelectrolytes

3Pa20 Study of DNA/Poly(ethylene oxide) Blend Membranes as a Polymer Electrolyte Membrane
(Sejong University) Park Jin Kyoung

3Pa21 Preparation and Characterization of Sulfated Dextran/Poly(vinyl alcohol) Blend Membranes for Direct Methanol Fuel Cells
(Sejong University) Su-Mi Ahn

3Pa22 Coating of Nanofibrous Scaffolds with Polyelectrolyte Multilayer Thin Films to Improve Cell Adhesion
(Chulalongkorn University) Paveenuch Kittitheeranun, Stephan T. Dubas, Neeracha Sanchavanakit, Rattapol Rangkupan, Pranot Potiyaraj

3Pa23 Synthesis and Characterization of Semi-Interpenetrating Hydrogels of Polyelectrolytes
(Institute of Polymer Materials & Technology) Sarkyt Kudaibergenov, Danil Svetlichnyi, Natalya Dolya, Gulnur Tatykhanova, Binur Musabaeva, Marziya Yashkarova, Larisa Bimendina

3Pa24 Lipophilic Polyelectrolyte Gels Asnon-Polar Organic Solvent Super-Absorbent Polymers
(Kyushu University) Kazuki Sada, Toshikazu Ono, Takahiro Sugimoto, Seiji Shinkai

Topic 2 Polynuclear Complexes

3Pa25 Lanthanide(III) Clusters Showing Remarkably Strong Visible Luminescence By Violet/Blue LED Irradiation
(Osaka University) Kazuhiro Manseki, Shozo Yanagida

3Pa26 Structure and Magnetism Study of a Series of Cyanide-Metallic Triad
(Tokyo Institute of Technology) Li-jun Song, Kaori Kamata, Tomokazu Iyoda

FAugust 30 (3Pb01-3Pb25)

11:00-11:30 (Preview, Rm 503)

11:30-12:30 (Discussion, 5th Floor Lobby)

Topic 11 Biological Applications

3Pb01 Synthesis of Tetraphenylporphyrinatoiron(II) Derivative Bearing a Proximal Histidyl Group via Acyl Bond And Its O₂-Binding Properties in Aqueous Media

(Waseda University) Akito Nakagawa, Teruyuki Komatsu, Eishun Tsuchida

3Pb02 Targeted Oxygen Delivery by Hb-Vesicles

(Waseda University) Hiromi Sakai, Eishun Tsuchida

3Pb03 Rheology Control of Hemoglobin-vesicles (Artificial Oxygen Carriers) Suspended in a Series of Plasma Substitute Solutions (Water-Soluble Polymers)

(Waseda University) Hiromi Sakai, Atsushi Sato, Shinji Takeoka, Eishun Tsuchida

3Pb04 Physicochemical Characteristics and Biodistribution of Vesicles Modified with Carboxylic Acids and Poly(ethylene glycol)

(Waseda University) Keitaro Sou, Eishun Tsuchida

3Pb05 Fluorescent Detection of Single-Nucleobase Segments in DNA Duplexes by Hydrogen-Bond-Forming Small Ligand

(University of Tsukuba) Keitaro Yoshimoto, Hiroshi Atsumi, Shingo Saito, Hiroyuki Koshino, Moriya Okuma, Mizuo Maeda, Yukio Nagasaki

3Pb06 Metal Ion-Directed Cooperative DNA Labeling and Its Application to Colorimetric SNP Genotyping

(Kumamoto University) Toshihiro Ihara, Yusuke Kitamura, Yuka Osawa, Akinori Jyo

3Pb07 Design and Evolution of a Bio-Macromolecular Catalyst Made of RNA

(Kyushu University) Yuki Fujita, Hiroyuki Furuta, Yoshiya Ikawa

3Pb08 Effective Peptide Ligation on a Macromolecular Template Made of RNA

(Kyushu University) Norimasa Kashiwagi, Hiroyuki Furuta, Yoshiya Ikawa

3Pb09 Analysis by Aptamers and DNAszymes

(The Hebrew University of Jerusalem) Bella Shlyahovsky, Di Li, Johann Elbaz, Itamar Willner

3Pb10 Anionic Polymer DNA Strand Can Control the Photosensitized Singlet Oxygen Generation by Cationic Sensitizer

(Shizuoka University) Kazutaka Hirakawa, Toru Hirano, Toshihiro Daimon, Yoshio Nosaka

3Pb11 Thermal Molecular Motion and Mechanical Properties for Deoxyribonucleic Acid Films

(Kyushu University) Jun-ichi Nakahara, Keiji Tanaka, Toshihiro Nagamura

3Pb12 Controlled Release of Plasmid DNA from DNA/Gold Nanorod Conjugates Triggered by Pulsed-Laser Irradiation

(Kyushu University) Yukichi Horiguchi, Yasuro Niidome, Sunao Yamada, Naotoshi Nakashima

3Pb13 Dark Field Observation of Gold Nanorods in Living Cells

(Kyushu University) Yasuro Niidome, Keisuke Higashimoto, Kanako Honda, Naotoshi Nakashima

3Pb14 Synthesis and Cellular Uptake of Porphyrinoides Conjugated with Octaarginine Peptides

(Kyushu University) Hiroyuki Harada, Motoki Toganoh, Hiroyuki Furuta, Yoshiya Ikawa

3Pb15 SOD/Catalase Mimetic Activity of Platinum Nanoparticles

(APt Co., Ltd.) Masashi Kajita, Keisuke Hikosaka, Mayumi Iitsuka, Atsuhiko Kanayama, Naoki Toshima, Yusei Miyamoto

3Pb16 Models of Biocatalysts on the Basis of Complexes of Pseudointerpenetrating Polymer Nets with Transitional Metals Ions

(A.B.Bekturov Institute of Chemical Sciences) Gulnara Bektenova, Chinibayeva Gulnara, Bekturov Nurzhan

3Pb17 Preparation of pH-Sensitive PEGylated Nanogels Containing Platinum Nanoparticles as Smart Nanocatalyst

(University of Tsukuba) Motoi Oishi, Naoki Miyagawa, Takeshi Sakura, Yukio Nagasaki

3Pb18 Chitosan Sub-Micron Beads Prepared By Phase Separation Using Polyvalent Anion As Bacteriostatic Materials
(Kumamoto University) Kanako Saita, Shoji Nagaoka, Tetsuya Yamamoto, Rumi Tamoto, Shigeki Matsuda, Makoto Takafuji, Hirotaka Ihara

3Pb19 Fabrication of a Free-Standing Polysaccharide Nanosheet in Application of Nano-Adhesive Plaster
(Waseda University) Toshinori Fujie, Yosuke Okamura, Shinji Takeoka

3Pb20 Immobilization of Microorganisms with Zirconium Hydroxides for Detection by Mass Spectrometry
(National Dong Hwa University) Cheng-Tung Chen, Alan A. L. Lo, Chia-Liang Cheng, Yen-Peng Ho

3Pb22 Novel Design of the Interface between Functional Proteins and Polymer Materials
(The University of Tokyo) Hisao Matsuno, Yuya Nagasaka, Kimio Kurita, Takeshi Serizawa

3Pb23 Study on Mechanisms of Biological Activity of Humic Substances
(Institute of Chemistry and Chemical Technology, National Academy of Sciences) Kamila Kydralieva, Sharipa Jorobekova

3Pb24 Porous Scaffolds Using Polymer Blends of Biodegradable Polyesters
(Niigata University) Takaaki Tanaka, Satoko Eguchi, Hiroshi Saitoh, Takashi Hara, Masayuki Taniguchi, Douglas Lloyd

3Pb25 Enzymatic Oxidative Polymerization of Methoxyphenols by Laccase from *Trametes* sp. Ha1
(Niigata University) Takaaki Tanaka, Masafumi Takahashi, Hiroyuki Hagino, Shin-ichi Nudejima, Hisaki Usui, Tomoyuki Fujii, Masayuki Taniguchi

August 31 (4P01-4P42)

13:00-13:50 (Preview, Rm 501)

13:50-14:50 (Discussion, 5th Floor Lobby)

Topic 5 Supramolecular Complexes and Self-Assembly

4P01 Silver Ion-Directed Formation of Supramolecular Nanofibers and Their Fluorescence Properties
(Kyushu University) Masa-aki Morikawa, Go Ichizawa, Nobuo Kimizuka

4P02 Synthesis of Novel Pyridine Ring Functionalized Bis-Terpyridines Towards the Development of New Metallo-Supramolecular Electrochromic Materials
(National Institute for Materials Science) Fushe Han, Masayoshi Higuchi, Dirk G. Kurth

4P03 Construction of One-Dimensional Redox-Active Molecular Wires on Gold Electrodes
(Kyushu University) Katsuhiko Kanaizuka, Yoshihiko Nishimori, Hiroshi Nishihara

4P04 Formation of Nanoscale Architectures Based on Dipyrrin Coordination Oligomers
(Ritsumeikan University) Masahiro Hasegawa, Kenichi Tsukamoto, Hiroto Mishima, Takashi Nakanishi, Hiromitsu Maeda

4P05 Supramolecular Approach Toward The Alignment of Conjugated Molecules and Polymers
(National Institute for Materials Science) Masayuki Takeuchi, Shinji Takebayashi, Rie Wakabayashi, Takahiro Kaseyama, Tomohiro Ikeda, Osamu Hirata, Masayuki Shibata, Soichiro Ohgi, Kenji Kaneko, Seiji Shinkai

4P06 Face-to-Face/Side-by-Side Self-Organization of Soluble Silicon Phthalocyanine on Gold Surface
(Nara Institute of Science and Technology) Masanobu Naito, Masaaki Ishikawa, Hisanari Onouchi, Michiya Fujiki

4P07 Nanoscale Alignment of Conjugated Polymers by a Supramolecular Approach
(Kyushu University) Shinji Takebayashi, Kenji Kaneko, Masayuki Takeuchi, Seiji Shinkai

4P08 Synthesis of Porphyrin Derivatives Bearing Uracyl Groups and the Analysis of Their Self-Assembling Behaviors
(Waseda University) Satoshi Arai, Shinji Takeoka

4P09 Formation of a Highly Ordered Dot Array of Surface Micelles of a Block Copolymer via Liquid Crystal-Hybridized Self-Assembly
(Nagoya University) Shusaku Nagano, Yu Matsushita, Daisuke Taniguchi, Takahiro Seki

4P10 A Novel Supramolecular Strategy for the Design of Interfaces by π - π Interactions in Rod-Coil Block Copolymers Systems
(University of Fribourg) Nicolas Sary, Raffaele Mezzenga, Cyril Brochon, Georges Hadziioannou, Janne Ruokolainen

4P11 Electrochemical Synthesis of Polyalkylpyrrole with Unique Morphologies
(Tokyo University of Science, Yamaguchi) Yutaka Hattori, Hu Yan, Junichi Fujisato, Naoki Toshima

4P12 Synthesis of Amphiphilic Diblock Copolymers Tethered by Diacetylene Units
(Tokyo Institute of Technology) Satoru Tamaki, Tomohisa Miyatani, Sadayuki Asaoka, Tomokazu Iyoda

4P13 Regiospecific Accumulation of Functional Units at Microphase Segregation Interface of Amphiphilic Diblock Copolymer
(Tokyo Institute of Technology) Sadayuki Asaoka, Tomohisa Miyatani, Tomomichi Naka, Motonori Komura, Tomokazu Iyoda

4P14 Self-Assembly of Polymers in Their Particles
(Tohoku University) Hiroshi Yabu, Atsunori Tajima, Takeshi Higuchi, Masatsugu Shimomura

4P15 Programmed Formation of Nanogels via a Radical Crossover Reaction of Complementarily Reactive Blocks in Diblock Copolymers
(Kyushu University) Yoshifumi Amamoto, Yasuhiro Matsuda, Hiroyasu Masunaga, Sono Sasaki, Masaki Takata, Hideyuki Otsuka, Atsushi Takahara

4P16 Effect of Supercritical CO₂ Annealing on Surface Morphology of PS-b-PDMS Block Polymer
(Zhengzhou University) Qun Xu

- 4P17** Self-Assembly of Linear Metal Triazole Complexes in Liquid Crystals and Their Characteristics
(Kyushu University) Keita Kuroiwa, Nobuo Kimizuka
- 4P18** Columnar Liquid Crystals Composed of Phosphine Oxide Derivatives
(The University of Tokyo) Tsukasa Hatano, Ayuko Oki, Takashi Kato
- 4P19** Liquid Crystalline and Ion-Conductive Properties of Imidazolium Salts Containing Fluorinated Alkyl Chains
(The University of Tokyo) Takuji Kume, Masafumi Yoshio, Atsushi Hamasaki, Hiroyuki Ohno, Takashi Kato
- 4P20** Stimuli-Induced Spiropyran-Based Liquid Crystals
(The University of Tokyo) Boon-Hooi Tan, Masafumi Yoshio, Takashi Kato
- 4P21** Template Photo-Polymerization of the Hydrogen-Bonded Columnar Liquid Crystal Composed of Triphenylene and Dendron
(Waseda University) Shinsuke Ishihara, Yuusuke Furuki, Shinji Takeoka
- 4P22** Interfacial Self-Assembly and Multilayered Thin Film Formation of Liquid Crystalline Azo-Polymer with Ionic Skeletal Main Chain
(Oita University) Takeshi Yoshimi, Seiji Ujiie
- 4P23** Supramolecular Hydrogels Based on L-Lysine Derivatives with Glucoheptonamide
(Shinshu University) Masahiro Suzuki, Sanae Owa, Hirofusa Shirai, Kenji Hanabusa
- 4P24** Novel Polymer Organogelators with L-Lysine Derivatives as a Gelation-Causing Segment
(Shinshu University) Masahiro Suzuki, Chiho Setoguchi, Hirofusa Shirai, Kenji Hanabusa
- 4P25** Spatial Patterns Induced by Gelation of Polysaccharide Solution
(Saga University) Takayuki Narita, Isamu Ohnishi, Masayuki Tokita, Yushi Oishi
- 4P26** Chromic Behavior of Self-Assembling Triphenylimidazole Derivatives
(Tokyo University of Science, Yamaguchi) Kazuhiro Yabuuchi, Kotono Arakaki, Yuta Tazawa, Yosuke Ozaki, Makoto Inokuchi
- 4P27** Self-Assembly of Trigonal-Glutathiones in Water
(Kyushu University) Kazunori Matsuura, Takashi Fukuda, Hironori Matsuyama, Kazuya Murasato, Nobuo Kimizuka
- 4P28** Ligand-Receptor-Interaction-Induced Self-Assembled Architectures of Proteins: Characterization of the Interaction Forces and Manner of Assembly of NanoLEGO Proteins
(Kyushu University) Satoru Kidoaki, Tei Maki, Kengo Usui, Harukazu Suzuki, Masayoshi Ito, Fuyu Fueki, Yoshihide Hayashizaki, Takehisa Matsuda
- 4P29** O₂ Binding Nanotubes Made of Human Serum Albumin Incorporating Synthetic Heme
(Waseda University) Gang Lu, Teruyuki Komatsu, Eishun Tsuchida
- 4P30** Static and Dynamic Structures of Hemoglobin Vesicle (HbV) and Related Bio-Inspired Systems
(Waseda University) Takaaki Sato, Hiromi Sakai, Keitaro Sou, Otto Glatter, Eishun Tsuchida
- 4P31** Preparation and Properties of Rotaxanes Formed by Cyclodextrins and Oligo(thiophene)s with Cyclodextrin Stoppers
(Osaka University) Yoshinori Takashima, Kazuya Sakamoto, Hiroyasu Yamaguchi, Akira Harada
- 4P32** Contraction of Supramolecular Double-Threaded Dimer Formed by α -Cyclodextrin with Long Alkyl Chain
(Osaka University) Yoshinori Takashima, Shouichi Tukagoshi, Hiroyasu Yamaguchi, Akira Harada
- 4P33** Interaction between 11 S Globulin from Vicia Faba Seeds and Kappa Carrageenan in Aqueous Medium
(Osaka University) Yury Antonov, Takahiro Sato
- 4P34** Glutamide-Derived Self-Assembled Lipid as Novel HPLC Packing Materials: Enhanced Selectivity for Poly Aromatic Hydrocarbons
(Kumamoto University) Mohammed Mizanur Rahman, Makoto Takafuji, Hirotaka Ihara
- 4P35** Interaction Between 2,3,5-Triphenyl-2h-Tetrazolium Chloride And Different Water-Soluble Polymers

(Universidad Austral de Chile) Ignacio Moreno-Villoslada, Felipe González, Marcos Soto, Paulina Caulquín, Luciano Rivera, Susan Hess

Topic 9 Catalysis and Photocatalysis

4P36 Catalytic Activity of Gold Nanoparticle Supported on Ion-Exchange Resin
(Tokyo Metropolitan University) Shinpei Okamoto, Tamao Ishida, Risa Makiyama, Masatake Haruta

4P37 Photocatalytic Singlet Oxygen Generation by Titanium Dioxide and Its Biomolecules-Damaging Activity
(Shizuoka University) Kazutaka Hirakawa, Toru Hirano

4P38 Synthesis and Characterization of Multipod-Shaped Gold/Silver Nanostructures
(National Taiwan University) Hao Ming Chen, Ru-Shi Liu

4P39 Oxidation Catalysis of Metal Nanocluster / Metalloporphyrin Systems
(Hokkaido University) Yoshitaka Murakami, Katsuaki Konishi

4P40 Indoor-Air Quality Improvement by Photocatalysis
(Nawango Institute of Sciences) Magoba James, Nalugwa Annet, Masembe John

4P41 Soluble Polymers for Design of Nanosized Supported Catalysts
(D.Sokolskii Institute of Organic Catalysis & Electrochemistry) Alima Zharmagambetova

4P42 Copper(II) Imprinted Polymers As Catalytic Mimics of The Oxidases
(Wroclaw University of Technology) Anna Jakubiak, Bozena Kolarz