

Poster Session

**Wednesday, September 11**

**18:20-20:00**

- 1P001 Submillisecond-Lived Photoinduced Charge Separation in Inclusion Complexes Composed of Li<sup>+</sup>@C<sub>60</sub> and Cyclic Porphyrin Dimers  
(Kyushu Univ., Osaka Univ.) KAMIMURA, Takuya; OHKUBO, Kei; KAWASHIMA, Yuki; NOBUKUNI, Hirofumi; NARUTA, Yoshinori; TANI, Fumito; FUKUZUMI, Shunichi
- 1P002 Orientational Structure and Charge Dissociation of Photoinduced Charge-Separated States in P3HT-PCBM Blend Films Fabricated by the Spin Coating Method  
(Shizuoka Univ., Kobe Univ., JST-PRESTO) MIURA, Taku; NOJI, Ryohei; TSUGANEZAWA, Shuhei; MURAI, Hisao; KOBORI, Yasuhiro
- 1P003 Mechanism of Aggregation-Induced Emission Studied by Time-Resolved Fluorescence Spectroscopy  
(Kobe Univ.) MATSUNAE, Yasunori; AKIMOTO, Seiji; TOMINAGA, Keisuke
- 1P004 Auger Recombination Dynamics at the Laser Spectroscopy in CdTe Nanorods and the Size Effects  
(Kwansei Gakuin Univ.) TOMZIAWA, Yuki; OKUHATA, Tomoki; TAMAI, Naoto
- 1P005 Single- and Multi-Exciton Dynamics of ZnS-AgInS<sub>2</sub> Quantum Dots and Their Temperature Dependence  
(Kwansei Gakuin Univ., Nagoya Univ.) OKIMOTO, Saki; OKUHATA, Tomoki; NISHI, Hiroyasu; TORIMOTO, Tsukasa; TAMAI, Naoto
- 1P006 Synthesis, Photo Physical and Electrochemical Properties of Anionic Silicon Porphyrins with Water as Axial Ligand  
(Tokyo Metropolitan Univ.) REMELLO, Sebastiannybin; HIRANO, Takehiro; YAMAMOTO, Daisuke; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 1P007 Photochemical Behavior of Porphyrin and a Xanthene Derivative on the Clay Nano-Sheet  
(Tokyo Metropolitan Univ., JSPS) OHTANI, Yuta; ISHIDA, Yohei; TACHIBANA, Hiroshi; SHIMADA, Tetsuya; INOUE, Haruo; TAKAGI, Shinsuke
- 1P008 Investigation of Three Dimensional Molecular Diffusion in Liquid Crystals Using Single-Molecule Spectroscopy  
(Tokyo Tech) LEE, Seonik; HIRATA, Shuzou; VACHA, Martin
- 1P009 Donnan Electric Potential and Counter-ion Effects on Intraparticle Diffusion in Single Cation Exchange Resin Particles  
(Hokkaido Univ.) ONO, Chikara; CUONG, Nguyenm; SAKUDA, Eri; KITAMURA, Noboru
- 1P010 Single-Molecule Analysis of Chain Dynamics across the Thickness Direction in Polymer Thin Films  
(Tokyo Tech) NODA, Koji; OBA, Tatsuya; HIRATA, Shuzo; VACHA, Martin
- 1P011 Atmospheric Pressure Multiphoton Ionization: Development of a Novel Ionization Method for Liquid Chromatography/Mass Spectrometry  
(Osaka City Univ.) OYA, Naoki; YATSUHASHI, Tomoyuki
- 1P012 Level Structure of Excited States and Two-Photon Absorption Properties of Cyclic Paraphenylene Compounds  
(AIST, Kwansei Gakuin Univ., Nagoya Univ.) NAMIKAWA, Tomotaka; KAMADA, Kenji; MATSUI, Katsuma; SEGAWA, Yasutomo; ITAMI, Kenichiro
- 1P013 Solvation Effect of Ionic Liquids for near IR Luminescence of Singlet Oxygen  
(Tokyo Tech, Univ. of Hyderabad) YOSHIDA, Tsuyoshi; KAWASAKI, Hironobu; MONJI, Tomoo; Kawai, Akio; KHARA, Dinesh; SAMANTA, Anunay

- 1P014 Relaxation of Excited State Organic Ionic Dyes by Radicals in Aqueous Systems  
(Tokyo Tech) TAKAHASHI, Hirona; IWAMA, Masaki; MIYAKE, Yusuke; AKAI, Nobuyuki; KAWAI, Akio; SHIBUYA, Kazuhiko
- 1P015 Sensitive Probe of Solid-Solid Phase Transition of Acetonitrile by Using Fluorescence Spectroscopy of 4'-N,N-Dimethylamino-3-Hydroxyflavone  
(Kyushu Univ., Aichi Univ. of Edu., Chiba Inst. of Tech., Hokkaido Univ.) FURUKAWA, Kazuki; HINO, Kazuyuki; YAMAMOTO, Norifumi; NAKABAYASHI, Takakazu; OHTA, Nobuhiro; SEKIYA, Hiroshi
- 1P016 Synthesis of P(V)Tetranaphthylporphyrin Derivatives and their Activity of Photosensitized Protein Damage  
(Shizuoka Univ., Hamamatsu Univ. School of Medicine) AOKI, Shunsuke; UEDA, Hiroyuki; OKAZAKI, Shigetoshi; HIRAKAWA, Kazutaka
- 1P017 Effect of Glycerol Concentration on Structure of the Photoinduced Charge-Separated State in Protein:9,10-Anthraquione-1-Sulfonate bound to Human Serum Albumin  
(Shizuoka Univ., Kobe Univ., JST-PRESTO) TSUSHIMA, Masaki; MURAI, Hisao; KOBORI, Yasuhiro
- 1P018 Plasmon-Assisted Photoenergy Conversion Using Au Nanostructure Modified Titanium Dioxide Electrode under Illumination of Visible - near Infrared Light  
(Hokkaido Univ., JST-PRESTO) FUTASHIMA, Ryo; NAGASAWA, Fumika; YASUDA, Satoshi; IKEDA, Katsuyoshi; MURAKOSHI, Kei
- 1P019 Tuning of Plasmon Resonances of Palladium Nano Structures  
(Hokkaido Univ., JST-PRESTO) UCHIYAMA, Sari; MURAKOSHI, Kei; IKEDA, Katsuyoshi
- 1P020 Protein Damage and Inhibition of Catalase Activity Photosensitized by AlkoxyP(V)Porphyrin Derivative  
(Shizuoka Univ., Univ. of Miyazaki) HIRAKAWA, Kazutaka; YAMANAKA, Taiki; MATSUMOTO, Jin; YASUDA, Masahide
- 1P021 Photophysical Properties of Cationic Iridium Complexes Bearing Fused-Ring Thiophenes  
(Gunma Univ.) KIKUCHI, Toshiki; MURAYAMA, Saori; YAGIHASHI, Miki; YOSHIHARA, Toshitada; TOBITA, Seiji
- 1P022 Preparation and Optical Characterization of Highly Fluorescent Protein-Encapsulated Au Clusters  
(Josai Univ.) UWADA, Takayuki; WATANABE, Kensuke; ISHIKAWA, Mitsuru
- 1P023 Development of pH-Responsive Photosensitizer Amiming for Application to PDT  
(Gunma Univ.) KURIBARA, Ryota; HORIUCHI, Hiroaki; OKUTSU, Tetsuo
- 1P024 Photochemistry of Ketoprofen with Aminoacids  
(Aoyama Gakuin Univ.) SUZUKI, Tadashi; SHINODA, Mio; ISOZAKI, Tasuku
- 1P025 Photo-Induced Phase Transition of Lipid Cubic Phase for Membrane Protein Crystallization  
(Gunma Univ.) KURITA, Shingo; IHIRA, Hiroshi; TAKAHASHI, Hiroshi; SONOYAMA, Masashi; HORIUCHI, Hiroaki; OKUTSU, Tetsuo
- 1P026 Highly Sensitive Optical Sensing of Carbohydrate—Protein Interactions Using Glycoconjugated Gold Nanoparticles  
(Kochi Univ.) KIYOOKA, Chihiro; HADANO, Shingo; WATANABE, Shigeru
- 1P027 Observation of Focal Adhesions in HeLa Cells by Super-Resolution Fluorescence Microscopy  
(Yamagata Univ., KULeuven, JST-PRESTO) HORIUCHI, Yuki; KITAKAMI, Erika; HOSHIBA, Takashi; MIZUNO, Hideaki; TANAKA, Masaru; HOTTA, Jun-ichi
- 1P028 Dynamics of Plasmon-Exciton Strong Coupling in a Hybrid System of Silver Nanostructures and Cyanine Dye

- (Hokkaido Univ., JST-PRESTO) UEHARA, Hiroyi; OSHIKIRI, Tomoya; UENO, Kosei; MISAWA, Hiroaki
- 1P029 Dynamics of Localized Surface Plasmon of Gold Nanostructures on Titanium Dioxide Probed by Time-Resolved PhotoeMission Electron Microscopy(Hokkaido Univ., JST-PRESTO) SUN, Quan; YU, Han; UENO, Kosei; MISAWA, Hiroaki
- 1P030 Size Dependence of Plasmon-Based-Optical Trapping of a DNA on Gold Nanostructures (Hokkaido Univ.) SAITO, Junki; SHOJI, Tatsuya; KITAMURA, Noboru; NAGASAWA, Fumika; MURAKOSHI, Kei; TSUBOI, Yasuyuki
- 1P031 Plasmon-Based Optical Trapping of Nanoparticles with a Gold Nanohole Array (Hokkaido Univ., JST-PRESTO) SHOJI, Tatsuya; KITAMURA, Noboru; TSUBOI, Yasuyuki
- 1P032 High-Sensitive Detection of Organic Molecules that is Extracted by Polymer Aggregates Formed by LightIrradiation onto a Metallic Nanostructure (Hokkaido Univ., JST-PRESTO) SUGO, Daiki; SHOJI, Tatsuya; TADA, Takanori; KITAMURA, Noboru; NAGASAWA, Fumika; MURAKOSHI, Kei; TSUBOI, Yasuyuki
- 1P033 Preparation and Fundamental Properties of Covalently Linked Pyrene-Single-Walled Carbon Nanotube Composites (Kyoto Univ., JST-PRESTO) BAEK, Jinseok; UMEYAMA, Tomokazu; IMAHORI, Hiroshi
- 1P034 Photoelectric Conversion Properties of Diazaporphyrin-[60] Fullerene Linked Dyads (Kyoto Univ., Niigata Univ.) YAMAMOTO, Masanori; TAKANO, Yuta; MATANO, Yoshihiro; IMAHORI, Hiroshi
- 1P035 Unique Photochemical Properties of *p*-Substituted Cationic Triphenylbenzene Derivatives on a Clay Layer Surface (Tokyo Metropolitan Univ.) TSUKAMOTO, Takamasa; SHIMADA, Tetsuya; TAKAGI, Shinsuke
- 1P036 Photoinduced Electron Transport Reaction in Vesicles Using Two Kinds of Pyrene Derivatives as Sensitizers (Univ. of Tokyo) TATSUMURA, Makoto; SATO, Yoichi; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 1P037 Photochemical Hydrogen Generation Catalyzed by Novel Cobalt Complexes in Vesicles (Univ. of Tokyo) MATSUSHIMA, Satoko; IKUTA, Naoya; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 1P038 Hydrogen Evolution Reaction Induced by Two-Photon Excitation of Hydrocarbons (Osaka Univ.) KOHNO, Naoki; OHKUBO, Kei; FUKUZUMI, Shunichi
- 1P039 Study on the Aequorea Bioluminescence Mechanism: Substituent Effect on the Luminescent Properties of  $\pi$ -Conjugation-Extended Analogs of the Light-Emitter (UEC Tokyo) HAYASHI, Chihiro; MAKI, Shojiro; NIWA, Haruki; HIRANO, Takashi
- 1P040 Studies on the Color Modulation Mechanism of Firefly Bioluminescence with Luciferin Analogs Having Various Amino Substituents (UEC Tokyo, UFSCAR) MATSUHASHI, Takuto; VIVIANI, Vadim R.; MAKI, Shojiro; NIWA, Haruki; HIRANO, Takashi
- 1P041 Photochemical Behavior of Novel Cationic Metal Phthalocyanine /Clay Complex. (Tokyo Metropolitan Univ.) HONNA, Ryou; TUKAMOTO, Takamasa; SHIMADA, Tetsuya; TAKAGI, Shinsuke
- 1P042 Photochemical Behavior of Cationic Azobenzene Derivatives on Clay Nano Sheet Surface (Tokyo Metropolitan Univ.) UMEMOTO, Tetsuro; OHTANI, Yuta; TSUKAMOTO, Takamasa; SHIMADA, Tetsuya; TAKAGI, Shinsuke
- 1P043 Unique Photochemical Properties of Mono-, Tri-, Penta-Cationic Antimony(V) Porphyrins on the Clay Surface (Tokyo Metropolitan Univ.) TSUKAMOTO, Takamasa; SHIMADA, Tetsuya; TAKAGI, Shinsuke

- 1P044 The Fluorescence Enhancement of Phenanthridine Derivatives on the Clay Nanosheet Surface  
(Tokyo Metropolitan Univ.) ICHIHARA, Hiroyuki; OHTANI, Yuta; SHIMADA, Tetsuya; TAKAGI, Shinsuke
- 1P045 An Excited State C-C Bond Cleavage-Emission of Methylenecyclopropane Derivative Triggered by Intermolecular Energy-Transfer Reaction  
(Osaka Pref. Univ.) KIDO, Taiki; MATSUI, Yasunori; OHTA, Eisuke; IKEDA, Hiroshi
- 1P046 One-Electron Sigma Bond" of the Cage-Type Radical Cation Generated by Photoinduced Electron-Transfer Reaction  
(Osaka Pref. Univ) KURAMOTO, Yutaro; ASADA, Naoya; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 1P047 Study on the Unusual Emission of Cyclopropane Derivatives  
(Hiroshima Univ.) KANAHARA, Kousei; ABE, Manabu
- 1P048 Generation and Reactivity of Diradicals in the Decarbonylation Reaction of Cyclobutanones  
(Hiroshima Univ.) SAWAI, Asako; ABE, Manabu
- 1P049 Synthesis of novel Silicon porphyrins and their catalytic activity  
(Tokyo Metropolitan Univ.) HIRANO, Takehiro; REMELLO, Sebastiannybin; YAMAMOTO, Daisuke; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 1P050 Metal Free Photocatalytic Trifluoromethylation of Aromatic Compounds with 9-Xylyl-10-Methylacridinium Ion Derivatives  
(Osaka Univ.) MATSUMOTO, Soichiro; OHKUBO, Kei; FUKUZUMI, Shunichi
- 1P051 Wavelength-Controlled Photochemistry of An Intramolecular Donor-Acceptor System Incorporating Naphthalene and Dicyanoalkene: Product Selectivity Switching upon Local Versus Charge-Transfer Excitation  
(Osaka Univ.) AOKI, Yoshiaki; ITO, Tadashi; NISHIUCHI, Emi; MORI, Tadashi; FUKUHARA, Gaku; INOUE, Yoshihisa
- 1P052 Photodissociation Behavior of Triazatriangulene Derivatives with Substituent at Central Carbon  
(Kyoto Univ.) YOKOYAMA, Soichi; HIROSE, Takashi; MATSUDA, Kenji
- 1P053 [2+2] Photocycloaddition of Phenanthrene-Ethylene Dyad in the Solid State  
(Osaka Pref. Univ.) KAWAKAMI, Jun; NAKANISHI, Yosuke; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 1P054 Photochemical Pericyclic Reaction of Triarylboranes  
(Nagoya Univ., Kyushu Univ.) ANDO, Naoki; KUSHIDA, Tomokatsu; FUKAZAWA, Aiko; SHIOTA, Yoshihito; YOSHIZAWA, Kazunari; YAMAGUCHI, Shigehiro
- 1P055 [2+2]Photocycloaddition of Diarylethene  
(Kanagawa Univ) EBINA, Hideaki; IWAKURA, Izumi; ORISAKU, Keiko; KOIDE, Yoshihiro
- 1P056 Dual Emission of 2,5-Dithienylpyrrole with a Flexible Dialkylamine Strap  
(Nagoya Univ.) SUZUKI, Naoya; NAGURA, Kazuhiko; FUKAZAWA, Aiko; KITO, Hirotaka; YOKOGAWA, Daisuke; IRLE, Stephan; SAITO, Shohei; YAMAGUCHI, Shigehiro
- 1P057 Synthesis of Aminobenzopyranoxanthene Dyes with Long-Alkyl Chains and their Fluorescence Emission Properties in Solution and Solid State.  
(Okayama Univ., RIKEN, Hitachi High-Technologies Co.,Ltd.) TANIOKA, Masaru; KAMINO, Shinichiro; Horigome, Jun; ENOMOTO, Shuichi
- 1P058 Relationship between Optical Properties and Crystal Structures of Fluorescent Di(2-thienyl) Ketone Derivatives  
(Osaka Pref. Univ.) TOMIYORI, Yusuke; OHTA, Eisuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi

- 1P059 Development of Ratiometric Fluoroionophores based on Boron-Dipyrromethene for Discrimination of Heavy Metal Ions  
(Hokkaido Univ.) HAFUKA, Akira; YOSHIKAWA, Hiroaki; OHYA, Kohei; TAKAHASHI, Masahiro; OKABE, Satoshi; SATOH, Hisashi; YAMADA, Koji
- 1P060 Synthesis and Stepwise Control of Fluorescence Properties of BODIPYs by Heating and Photo-Irradiation  
(NAIST, JST-CRESTO) AOTAKE, Tatsuya; KUZUHARA, Daiki; ARATANI, Naoki; YAMADA, Hiroko
- 1P061 CPL Property of Axially Chiral Binaphthyl Compound by Using Polymer Matrix  
(Kinki Univ., NAIST) AMAKO, Tomoyuki; WAKABAYASHI, Takashi; SUZUKI, Nozomu; FUJIKI, Michiya; IMAI, Yoshitane
- 1P062 Excited State Intramolecular Hydrogen Atom Transfer Reaction and Fluorescence Properties in Aryl Substituted Compounds Having Intramolecular Hydrogen Bond.  
(Univ. of Tsukuba) INATSU, Yuji; ARAI, Tatsuo
- 1P063 Study on Controlling Fluorescence Properties of 1,2-Bis(2-naphthyl)Ethene Cored Water-Soluble Dendrimers by Photoisomerization  
(Univ. of Tsukuba) NAKAZATO, Satoshi; ARAI, Tatsuo
- 1P064 Photoinduced Aggregation Changes of Amphiphilic Diarylethenes Having Various Geometrical Structures  
(Kyoto Univ., JST-PRESTO) KITAI, Jun-ichiro; HIGASHIGUCHI, Kenji; TAIRA, Genki; HIROSE, Takashi; MATSUDA, Kenji
- 1P065 Photochromism of Diarylethene on Gold Nanoprism  
(Kyoto Univ., JST-PRESTO) NAKAZAKI, Mizuho; HIGASHIGUCHI, Kenji; MATSUDA, Kenji
- 1P066 Aggregation and Photoreaction Property of Diarylethene Containing Amphiphilic Groups  
(Kyoto Univ., JST-PRESTO) TAIRA, Genki; HIGASHIGUCHI, Kenji; HIROSE, Takashi; MATSUDA, Kenji
- 1P067 Photomodulated Binding Behavior of Diarylethene Ligand Based on the Alteration of Electronic Effect  
(Kyoto Univ.) LU, Cheng; HIROSE, Takashi; MATSUDA, Kenji
- 1P068 Stabilization of Porphyrin Cation Radical within an Inorganic Nano-Structures  
(Niigata Univ.) SATO, Mitsuhiro; MATSUBARA, Kazuki; SAITO, Kenji; YAGI, Masayuki; YUI, Tatsuto
- 1P069 Pyrene-to- Ru(bpy)<sub>3</sub><sup>2+</sup> Photoinduced Energy Transfer on Clay Nano-Sheet.  
(Niigata Univ., Tokyo Metropolitan Univ.) SATO, Keita; MATSUBARA, Kazuki; SAITO, Kenji; YAGI, Masayuki; TAKAGI, Shinsuke; YUI, Tatsuto
- 1P070 Microfiber Spectroscopy and FDTD Simulation of Photonic Crystalline Characteristics of Titania-Modified Silica Frustule  
(Shinshu Univ.) YONEDA, Satoshi; USAMI, Hisanao; ITOH, Fuyu; YAMANAKA, Shigeru
- 1P071 Fluorometric Detection of Aromatic Thiols in Aqueous Media with a Resorufin Derivative  
(Osaka Univ.) YAMAMOTO, Kohei; SUMIYA, Shigehiro; SHIRAISSI, Yasuhiro; HIRAI, Takayuki
- 1P072 The Development of Multi-Color Emitting Lanthanide Complexes Derived from a Common Ligand and Studies on their Energy Transfer Mechanisms  
(Kanagawa Univ.) HASHIMOTO, Sena; IWAKURA, Izumi; ORISAKU, Keiko; KOIDE, Yoshihiro
- 1P073 Observation of the <sup>3</sup>(d-d) Excited States of Ruthenium Polypyridyl Complexes Using Time-Resolved Infrared Spectroscopy  
(Tokyo Tech, Tokyo Metropolitan Univ.) MUKUTA, Tatsuhiko; MURATA, Kei; INAGAKI, Akiko; AKITA, Munetaka; KOSHIHARA, Shin-ya; ONDA, Ken

- 1P074 Remarkable Triboluminescence of Europium Coordination Polymers with Two Dimensional Phosphine Oxide Ligands.  
(Hokkaido Univ.) TATENO, Shiori; NAKANISHI, Takayuki; FUSHIMI, Kouji; HASEGAWA, Yasuchika
- 1P075 Luminescent Properties and Structural Transition of Supramolecular Eu(III) Complex  
(Hokkaido Univ.) HIRAI, Yuichi; NAKANISHI, Takayuki; SATOH, Toshifumi; KAKUCHI, Toyoji; FUSHIMI, Koji; HASEGAWA, Yasuchika
- 1P076 Electronic Structure Simulation Study on Cd Ion Sensor Operated in AM Contact Mechanism  
(Kumamoto Univ., Kyushu Univ.) SUGIMOTO, Manabu; NAKAGAWA, Saika; TAKASHIMA, Ippei; OJIDA, Akio
- 1P077 Bipyridyl-Substituted Hexatrienes: New Fluorescent Sensors for Metal Ions  
(AIST) SONODA, Yoriko; KANESATO, Masatoshi; AZUMI, Reiko; AWAZU, Koichi
- 1P078 Synthesis and Solid-State Emission of Cu and Pt Complexes with Long Emission Lifetime  
(NAIST) DAN, Misato; KAWAI, Tsuyoshi; YUASA, Junpei
- 1P079 Elucidation of Heterogeneity in Characteristics and Kinetics of Dye-Sensitized Solar Cells by Means of a Simultaneous Photocurrent and Luminescent Microscopy  
(Shizuoka Univ.) MATSUO, Takeshi; KAWANO, Yuya; MITSUI, Masaaki
- 1P080 Photoinduced Electron Transfer Properties of an Amide-Linked Non-Planar Porphyrin-Ruthenium(II) Complex Dyad  
(Univ. of Tsukuba, Osaka Univ., JST-ALCA) MATSUZAKI, Kouhei; ISHIZUKA, Tomoya; OHKUBO, Kei; KOTANI, Hiroaki; FUKUZUMI, Shunichi; KOJIMA, Takahiko
- 1P081 Photoelectric Conversion Properties of Polymer Based Gold Nanostructured Titanium Dioxide Electrode  
(Hokkaido Univ., JST-PRESTO) NAKAMURA, Keisuke; KAMATA, Yoshiomi; OSHIKIRI, Tomoya; UENO, Kosei; MISAWA, Hiroaki
- 1P082 Synthesis and Magnetic Behavior of Photo-Responsive Valence Tautomeric Complexes with Chiral Ligands  
(Kyushu Univ.) NARAZAKI, Yu; KANEWARA, Shinji; KANG, Soonchul; SATO, Osamu
- 1P083 Effects of Water and Organic Additives on Photochromic Properties of WO<sub>3</sub>/Methylcellulose Composite Films  
(Yamaguchi Univ.) ISHIDA, Hiroki; HONDA, Kensuke; ADACHI, Kenta; YAMAZAKI, Suzuko
- 1P084 Photoswitching of Fluoran Dye Derivatives Based on Electrochromism  
(Chiba Univ.) KANAZAWA, Kenji; NAKAMURA, Kazuki; KOBAYASHI, Norihisa
- 1P085 Deposition Modulation of Noble Metals on an Amorphous Diarylethene Film Surface  
(Osaka Kyoiku Univ.) DOHI, Megumi; TSUJIOKA, Tsuyoshi
- 1P086 Isomerization and Weak Electroluminescence Induced by Electrical Carrier Injection into a Photochromic Diarylethene Layer  
(Osaka Kyoiku Univ.) YAMAMOTO, Kazuki; TSUJIOKA, Tsuyoshi
- 1P087 Light-Triggered Self-Assembly of Gold Nanoparticles Based on Photoisomerization of Spirothiopyran  
(Osaka Univ.) SHIRAKAWA, Eri; TANAKA, Kazuya; SHIRAISHI, Yasuhiro; HIRAI, Takayuki
- 1P088 Temperature Effect on Photoinduced Topographical Changes on Dithienylethene Microcrystalline Surface  
(Ryukoku Univ., Univ. of Tokyo, Mitsubishi Chemical Group, Tokyo Univ. of Pharmacy and Life Sciences, RIKEN, Osaka Kyoiku Univ.) FUJINAGA, Noriko; NISHIKAWA, Naoki; SAKIYAMA, Shingo; YAMAZOE, Seiji; KOJIMA, Yuko; YOKOJIMA, Satoshi; NAKAMURA, Shinichiro; TSUJIOKA, Tsuyoshi; UCHIDA, Kingo

- 1P089 Photochromism of Diarylethene Derivatives Having Malachite Green Moiety  
(Ryukoku Univ., RIKEN-CLST, Tokyo Univ. of Pharmacyand Life Sciences) TATSUMI,  
Yuto; KASUNO, Megumi; NAKAMURA, Shinichiro; YOKOJIMA, Satoshi; UCHIDA,  
Kingo
- 1P090 Effect of Co-Catalyst Doped into LDH Framework for Photocatalytic Conversion of CO<sub>2</sub>  
(Tokyo Tech) IKEDA, Kei; KATSUMATA, Ken-ichi; MATSUSHITA, Nobuhiro; OKADA,  
Kiyoshi
- 1P091 Precise Analysis of the Trap Level of Titanium(IV) Oxide Photocatalysts by Double-Beam  
Photoacoustic Spectroscopy  
(Hokkaido Univ.) NITTA, Akio; MATSUI, Kazuki; HUANG, Yuexin; TAKASE, Mai;  
OHTANI, Bunsho
- 1P092 Mechanistic Study of Photocatalytic CO<sub>2</sub> Reduction Using a Ru(II) - Re(I) Bimetallic  
Complex  
(Tokyo Tech, JST-PRESTO, AIST, JST-ALCA) KATO, Eishiro; MORIMOTO, Tatsuki;  
KOIKE, Kazuhide; ISHITANI, Osamu
- 1P093 Photocataytic CO<sub>2</sub> Conversion of Titania Nanotubes  
(Tokyo Tech) TAMARU, Eitarou; KATSUMATA, Ken-ichi; MATSUSHITA, Nobuhiro;  
OKADA, Kiyoshi
- 1P094 Photocatalytic Decomposition of Low Degradable Organic Compounds Dissolved in  
Micro-Air-Bubbles Water Generated by a Pressurized Dissolution Method.  
(AIST, Hachinohe Natl. Col .of Tech.) HIRAKAWA, Tsutomu; MURAKAMI, Yoshinori;  
NISHIMOTO, Chifumi; TERAMOTO, Yoshiyuki; KIM, Hyun-Ha; TAKEUCHI, Koji
- 1P095 Photocatalytic Degradation of Gaseous Acetaldehyde on Platinum-Ion-Doped TiO<sub>2</sub> Thin  
Film under Visible Light Irradiation  
(Yamaguchi Univ.) WATANABE, Fumika; HONDA, Kensuke; ADACHI, Kenta;  
YAMAZAKI, Suzuko
- 1P096 Cocatalyst (Ru,Rh) Doping Effect into Niobia Nanosheet for Water Splitting Activity  
(Tokyo Tech, Shinshu Univ.) KOJIMA, Keisuke; KATSUMATA, Ken-ichi; WAGATA,  
Hajime; MATSUSHITA, Nobuhiro; OKADA, Kiyoshi
- 1P097 Theoretical Study on Adsorption of Hydronium Ion and Photochemical Hydrogen  
Evolution on Graphitic Carbon Nitride  
(Kumamoto Univ.) SUGIMOTO, Manabu; GOTOU, Kouhei
- 1P098 Photochemical CO<sub>2</sub> Reduction Catalyzed by Ruthenium-Peptide Complexes: Charge  
Effect of Introduced Amino Acids  
(Kitasato Univ., JST-PRESTO) KAMIYA, Masaya; KURAMOCHI, Yusuke; USHIDA,  
Kiminori; ISHIDA, Hitoshi