

## Thursday, September 9

### 10:20-12:00

- 2P001 Synthesis and Properties of Aminopyrazine-condensed Heterocyclic Compounds (UEC Tokyo) TSUBAKI, Shogo; HACHIYA, Sojiro; HASHIZUME, Daisuke; MAKI, Shojiro; NIWA, Haruki; HIRANO, Takashi
- 2P002 Syntheses of hexatriene-type photochromic compounds with thiophene-dioxide group (NAIST; Kyushu Univ.; Hokkaido Univ.) TAGUCHI, Masateru; NAKAGAWA, Tetsuya; KUTSUNUGI, Yuichiro; NAKASHIMA, Takuya; HASEGAWA, Yasuchika; KAWAI, Tsuyoshi
- 2P003 Intramolecular Photocycloaddition of 1-Cyanonaphthalene Derivatives Bearing Cinnamyl Group at 2- or 4- Position and Substituent Effect on Phenyl Group (Osaka Pref. Univ.; Kanazawa Univ.) ENYA, Kouhei; MAEDA, Hajime; MIZUNO, Kazuhiko
- 2P004 Visualization of the binding of drug molecules to Human serum albumin by fluorescent probe displacement (Shibaura Inst. Tech.) SAKATANI, Yoshiaki; NAKAMURA, Asao
- 2P005 Photochemistry of Flutamide and Related Compounds (Kanazawa Univ.; Osaka Ohtani Univ.) NAKAGAKI, Ryoichi; UDAGAWA, Chikako; WATANABE, Yurie; FUKUYOSHI, Shuichi; TANIMOTO, Yoshifumi
- 2P006 Syntheses of Tetrazine Derivatives Having Two Maleimide Groups (NAIST) MITSUI, Akihito; YUASA, Junpei; KAWAI, Tsuyoshi
- 2P007 Development of membrane labeling fluorescent probes for two-photon bio-imaging (Univ. of Tsukuba; The Univ. of Tokyo) KIMURA, Yuta; MOMOTAKE, Atsuya; TAKAHASHI, Noriko; KASAI, Haruo; ARAI, Tatsuo
- 2P008 Photo-excited State of Imidazole Derivatives (Yokohama Nat. Univ.) AKUTSU, Ayumi; KIKUCHI, Azusa; YAGI, Mikio
- 2P009 Reversible Epimerization of Aromatic Carboxamides by Photo- and Thermal-reactions (Chiba Univ.) SAKAMOTO, Masami; YASUIKE, Nobuo; SUNAOSHI, Kazushi; MINO, Takashi; FUJITA, Tsutomu
- 2P010 Synthesis and Photovoltaic Properties of Bisquinoxaline Porphyrin (Kyoto Univ.) IJIMA, Hiroaki; ITO, Seigo; UMEYAMA, Tomokazu; MATANO, Yoshihiro; IMAHORI, Hiroshi
- 2P011 Enantiodifferentiating Photocyclodimerization of 2-Hydroxyanthracene Mediated by Chiral Supramolecular Hosts (Osaka Univ.) UMEHARA, Hiroaki; FUKUHARA, Gaku; YANG, Cheng; NISHIJIMA, Masaki; MORI, Tadashi; INOUE, Yoshihisa
- 2P012 [3+2]-Photocycloadditions of 1,4-Dicyanonaphthalenes Having Methyl Substituents

- with Phenylacetylene  
(Shimane Univ.) MORIWAKI, Tadasuke; SIRATORI, Hideo; KUBO, Yasuo
- 2P013 Adsorption mechanism analysis of dyes on clay surfaces by the use of its fluorescence character  
(Tokyo Metro. Univ.; JST-PRESTO) KONNO, Saki; SHIMADA, Tetsuya; Masui, Dai; TACHIBANA, Hiroshi; INOUE, Haruo; TAKAGI, Shinsuke
- 2P014 Synthesis and properties of stilbene-cored poly(glutamate)dendrimers  
(Univ. of Tsukuba) IKEDA, Megumi; MOMOTAKE, Atsuya; ARAI Tatsuo
- 2P015 "Catalytic" Bio-Supramolecular Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Mammalian Serum Albumins  
(Osaka Univ.) KATO, Hanako; NISHIJIMA, Masaki; FUKUHARA, Gaku; YANG, Cheng; MORI, Tadashi; INOUE, Yoshihisa
- 2P016 Synthesis of Macrocyclic Lactam and Ketone by Intramolecular Radical Cyclization via Photochemical Decarboxylation  
(Univ. of Fukui; Ritsumeikan Univ.) NISHIKAWA, Keisuke; YOSHIMI, Yasuharu; HATANAKA, Minoru; ITOU, Tatsuya; OKADA, Yutaka
- 2P017 Competitive Photocyclization/Photorearrangement of 4-Aryl-1,1-dicyanobutenes Controlled by Intramolecular Charge-Transfer Interaction  
(Osaka Univ.) ITO, Tadashi; NISHIUCHI, Emi; MORI, Tadashi; YANG, Cheng; FUKUHARA, Gaku; INOUE Yoshihisa
- 2P018 Photoinduced electron transfer through uracil derivatives in DNA  
(Kyoto Univ.) HAMAGUCHI, Yuta; ITO, Takeo; TANABE, Kazuhito; NISHIMOTO, Sei-ichi
- 2P019 Catalytic Properties of Vitamin B<sub>12</sub>-TiO<sub>2</sub> Hybrid Catalyst  
(Kyushu Univ.) NAGAMI, Yoko; SHIMAKOSHI, Hisashi; ABE, Masaaki; HISAEDA, Yoshio
- 2P020 A Strategy for design of highly luminescent aromatic carbonyl compound : Pyrenecarboxamide derivatives  
(Tokyo Tech) NIKO, Yosuke; KONISHI, Gen-ichi
- 2P021 Nucleophilic-type Substitution Reaction of Electro-positive Substituted Aromatic Compounds via Photoinduced Electron Transfer  
(Kyoto Inst. Tech.) YAMADA, Hiroto; SAKAMOTO, Reina; KITAMURA, Morihiko; MIKI, Sadao
- 2P022 Syntheses and characterization of lanthanide complexes having two succinimidyl groups for labeling of proteins  
(NAIST) MUKAI, Ryusuke; YUASA, Junpei; HASEGAWA, Yasuchika; KAWAI, Tsuyoshi
- 2P023 Synthesis and Photochemical Reactions of 1-Benzyl-5-bromo-7-azaisatins  
(Aichi Inst. of Tech.) TATSUGI, Jiro; MAEDERA, Kouta
- 2P024 Syntheses and Property of Photochromic Terarylene Derivatives having thieno[3,2-b]pyridyl unit

- (NAIST) FUJII, Ryosuke; KUTSUNUGI, Yuichiro; NAKASHIMA, Takuya; KAWAI, Tsuyoshi
- 2P025 Control of Intramolecular Photoreactions of Aromatic Imides  
(Shimane Univ.) MATSUBAYASHI, Kazuhiko; KUBO, Yasuo
- 2P026 Photoexcited States of UV Absorber: Camphor Derivative  
(Yokohama Nat. Univ.) SHIBATA, Kenji; KIKUCHI, Azusa; YAGI, Mikio
- 2P027 Development of solid-state white-light-emitting materials composed of LE /ESIPT luminescent derivatives of imidazopyridine  
(The Univ. of Tokyo) SHONO, Hideaki; OHKAWA, Tatsuya; MUTAI, Toshiki; ARAKI, Koji
- 2P028 Application of intramolecular excitation transfer to design of novel sensitizers for photoinduced electron transport in vesicles  
(The Univ. of Tokyo) SATO, Youichi; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2P029 Sulfur-Functionalization of Arylalkenes by Using Photoinduced Electron Transfer  
(Kanazawa Univ.) MAEDA, Hajime; SASAHARA, Kazuki; SEGI, Masahito
- 2P030 Photoinduced Surface Relief Formations on Amorphous Thin Films of Hexaarylbisimidazole Derivatives  
(Yokohama Nat. Univ.) KOUZAI, Hiroaki; HARADA, Yukari; KIKUCHI, Azusa; YAGI, Mikio
- 2P031 Photoreduction of carbon dioxide using novel cobalt complexes in vesicles  
(The Univ. of Tokyo) IKUTA, Naoya; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2P032 Synthesis and photophysical properties of push-pull-type 2'-deoxyguanosine derivatives  
(Nihon Univ.) SAITO, Yoshio; SUZUKI, Azusa; IMAI, Kazutoshi; NEMOTO, Nobukatsu; SAITO, Isao
- 2P033 Formation of polymerized vesicles by photosensitized polymerization using pyrene derivatives : Effect of sensitizer structures on the reaction  
(The Univ. of Tokyo) MATSUURA, Haruhiko; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2P034 Synthesis and Photochemical Properties of Photoresponsive Polyphenylene Dendrimers  
(Univ. of Tsukuba) TABUCHI, Mami; ARAI, Tatsuo
- 2P035 Formation of Divalent Species in the Photoreactions of Aryl-substituted Oligosilanes  
(The Univ. of Electro-Commun.) TAKEYA, Osamu; IDA, Yusuke; KAKO, Masahiro
- 2P036 Photoresponsive property of hydrogen-bonded supramolecular assemblies consisting of diarylethene and pi-conjugated molecules in solution  
(Chiba Univ.) OHTA, Keisuke; YAGAI, Shiki; KITAMURA, Akihide; KARATSU, Takashi
- 2P037 Synthesis of Brominated Hemiporphycene and Its Photosensitizing Property  
(Kyushu Univ.) TAKADA, Satona; SHIMAKOSHI, Hisashi; ABE, Masaaki; HISAEDA, Yoshio

- 2P038 Fluorescent properties of oligo(*p*-phenylene vinylene) derivatives in the crystalline state  
(Rikkyo Univ.) NIIKURA, Hiroyuki; MORIMOTO, Masakazu; IRIE, Masahiro
- 2P039 Mechanism of [3+2]-Photocycloadditions of Dimethyl 1,4-Naphthalenedicarboxylate with Alkenes  
(Shimane Univ.) HAYASHI, Yuki; SHIRATORI, Hideo; KUBO, Yasuo
- 2P040 Kinetic analysis for photocatalytic hydrogenation of aromatic ketones on TiO<sub>2</sub> (1)  
(Hyogo Univ. of Health Sci.; Tokyo Univ. of Sci.) KOHTANI, Shigeru; YOSHIOKA, Eito; SAITO, Kenji; KUDO, Akihiko; MIYABE, Hideto
- 2P041 Synthesis and Self-assembly of Barbituric-Acid Functionalized Chlorophyll  
(Chiba Univ.; Ritsumeikan Univ.) YAGAI, Shiki; AONUMA, Hiroaki; KARATU, Takashi; KITAMURA, Akihiko; KOMADA, Jun; TAMIAMI, Hitoshi
- 2P042 Novel Ratiometric Fluorescent Dyes for Ion Sensing Based on 3-Aryl Substituted Boron-dipyrromethene  
(Hokkaido Univ.) HAFUKA, Akira; TANIYAMA, Hiroki; YAMAGISHI, Yutaka; YUASA, Maiko; SON, Sang-Hyun; SATOH, Hisashi; YAMADA, Koji
- 2P043 Chemiluminescence Quenching by Nitrogen-Containing Ligands and Effect of Metal Ions in Peroxyoxalate Chemiluminescence  
(Shinshu Univ.) MARUYAMA, Takayuki; HOSAKA, Eisuke; KANAZAWA, Aki; HAYAKAWA, Maya; MOTOYOSHIYA, Jiro
- 2P044 Theoretical study on [3+2]photocycloaddition reaction of 1,4-dicyanonaphthalene derivatives and alkenes  
(Shimane Univ.) SHIRATORI, Hideo; KUBO, Yasuo
- 2P045 Spectral Properties and Chemiluminescence of Phthalhydrazide Derivatives with Azo Groups  
(Shinshu Univ.) SAWADA, Mihoko; HIRANO, Yuji; MOTOYOSHIYA, Jiro
- 2P046 Electronic-Structure Simulation Study on Excited-State Structures and Emission Properties of TokyoGreen  
(Kumamoto Univ.) IWAMURA, Kazuya; SUGIMOTO, Manabu
- 2P047 Electronic-Structure Simulation Study on Emission Modulation of Benzofrazan Derivatives  
(Kumamoto Univ.) IWAMURA, Kazuya; OHIRA, Yoko; SUGIMOTO, Manabu
- 2P048 Photochemical Behavior of Aggregated Heterocoordinated Anthrones in Polymer Film  
(Chiba Univ.) NINOYU Masaya; BAN, Naoma; TAKAHARA, Shigeru
- 2P049 Preparation and Physical of Asymmetric Cobalt Binuclear Complex toward Control of Photoinduced Electron Transfer  
(Kyushu Univ.) NOBUKUNI, Akihiko; KANEGAWA, Shinji; SATO, Osamu
- 2P050 Oligocarbazole-silane connected host materials having high triplet energies  
(Chiba Univ.) HATTORI, Takashi; LIN, Xu; YAGAI, Shiki; KITAMURA, Akihiko; KARATSU, Takashi

- 2P051 The effect of trans-cis isomerization in a photo-alignment polymer segment to induce photodimerization  
(Chiba Univ.) MIZUKOSHI, Masanori; SAITO, Miki; MAESHIMA, Keiichi; TAKAHARA, Shigeru
- 2P052 Fabrication and Property of Self-Assembled Monolayer by Porphyrin Derivatives  
(Toho Univ.) YUI, Miki; MORI, Katsutoshi; AMEMIYA, Jun; PAC, Chongjin; MORIYAMA, Hiroshi
- 2P053 The SERS observation by longer wavelength excitation of large Au nanoparticles  
(Univ. of Tsukuba) EGUCHI, Miharu; KOBORI, Hiromu; MITSUI, Daisuke; TERANISHI, Toshiharu
- 2P054 Sonication-assisted porphyrin supramolecular architectures based on hydrogen bonding and their photophysical properties  
(Keio Univ.; JST-PRESTO) SAKAI, Hayato; HASOBE, Taku
- 2P055 Development of efficient optoelectronic materials using nanocylinders of a block copolymer as a template  
(Tokyo Tech) OSAWA, Yuta; VACHA, Martin; HABUCHI, Satoshi; IYODA, Tomokazu; KOMIYAMA, Hideaki
- 2P056 Photochromic property of WO<sub>3</sub>/Cellulose compound composite films  
(Yamaguchi Univ.) MITA, Tomohiro; ADACHI, Kenta; HONDA, Kensuke; MIGITA, Kouto; YAMAZAKI, Suzuko
- 2P057 Dependence of Spatial Jump Size of Emitting Sites within a Single Conjugated Polymer Chain on the Polymer Molecular Weight  
(Tokyo Tech) ONDA, Suguru; HABUCHI, Satoshi; VACHA, Martin
- 2P058 Photoluminescence and photocatalytic properties of platinum complex anchored on mesoporous silicas  
(Osaka Univ.) WATANABE, Kentaro; MORI, Kohsuke; YAMASHITA, Hiromi
- 2P059 Characterization of diarylethene molecular and polymer surfaces in Mg undeposition property using an AFM-Force Curve method  
(Osaka Kyoiku Univ.) TSUJI, Kosuke; TSUJIOKA, Tsuyoshi
- 2P060 *in-situ* Raman microspectroscopic study on photochromic behaviors of the WO<sub>3</sub> nanocolloid/cellulose hybrid material  
(Yamaguchi Univ.; Osaka Univ.) ADACHI, Kenta; MITA, Tomohiro; NAKAYAMA, Masaharu; YAMAZAKI, Suzuko; GOTO, Takeyoshi; WATARAI, Hitoshi
- 2P061 Organic semiconductor memory using coloring-reaction mode of photochromic diarylethenes by carrier injection  
(Osaka Kyoiku Univ.) SASA, Toshiyuki; KAKIHARA, Yasuhiro; TSUJIOKA, Tsuyoshi
- 2P062 Emission Behaviors of Ionic Liquid Having Cyclophosphazene Moiety in Organic Polymer Matrix  
(Univ. of Miyazaki; Bridgestone Corporation) HIROSE, Shogo; SHIRAGAMI, Tsutomu; MATSUMOTO, Jin; OTSUKI, Masashi; YASUDA, Masahide

- 2P063 Excitation Wavelength and Temperature Dependence on Cycloreversion Quantum Yield of Photochromic Diarylethenes  
(Osaka City Univ.) KOBATAKE, Seiya; IMAGAWA, Hiroyuki
- 2P064 Fluorescence Patterning of Fluorene Derivatives Using Photoswitching  
(Osaka City Univ.) MUKAIYAMA, Takayoshi; KOBATAKE, Seiya
- 2P065 Enhanced Photochromic Reaction of Diarylethene Induced by Metal-Nanoparticles  
(Osaka City Univ.; Ehime Univ.) NISHI, Hiroyasu; ASAHI, Tsuyoshi; KOBATAKE, Seiya
- 2P066 A coating method of gas-suspended nanoparticles by photopolymerization  
(RIKEN) KUDO, Satoshi; ORII, Takaaki
- 2P067 Optical properties of  $\pi$ -conjugation moiety-containing alkylphosphonate-silica composites  
(Tokyo Tech) YAMAZAKI, Masahiro; MAKIOKA, Yoshikazu; TANIGUCHI, Yuki
- 2P068 Photoelectrochemistry of Ruthenium-inserted Fused Porphyrin Dimers and Dye-sensitized Solar Cells Using the Dimers  
(The Univ. of Tokyo) TAMAKI, Koichi; DY, Joanne Ting; NAKAZAKI, Jotaro; TSUTSUI, Yuko; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi
- 2P069 Improvement of photocatalytic performance of  $\text{Na}_{0.5}\text{Y}_{0.5}\text{TiO}_3$  by valence band control and transition metal doping  
(Tokyo Univ. of Sci.; JST-PRESTO) ISHIHARA, Shogo; JIA, Qingxin; SAITO, Kenji; KUDO, Akihiko
- 2P070 Substituent Reaction of a Photochromic Diarylethene with Alcohols  
(Osaka City Univ.) IMAO, Shotaro; YAMASHIRO, Yosuke; TERAKAWA, Yuko; KOBATAKE, Seiya
- 2P071 Electron Transfer Reaction between Anthracenes and Oxime Type Photoacid Generator in Polymer Matrix and Application for Photopolymer  
(Chiba Univ.) NISHIZAWA, Naoto; TSUMITA, Tomoaki; TAKAHARA, Shigeru
- 2P072 Photocatalytic and photoelectrochemical properties of  $\text{ATiO}_3$  (A=Mg,Ca) doped with transition metals  
(Tokyo Univ. of Science; JST-PRESTO) AKIBA, Hiroki; IWASHINA, Katsuya; SAITO, Kenji; KUDO, Akihiko
- 2P073 Application of addition-condensation products of pyrrole with aldehyde for photoenergy conversion devices(14);Band gap control around 1eV  
(Kansai Univ.) MAKI, Yutaro; AOTA, Hiroyuki; MATSUMOTO, Akira
- 2P074 Application of addition-condensation products of pyrrole with aldehyde for photoenergy conversion devices (15) preparation of new device with controlled absorption edge  
(Kansai Univ.) TAKAYA, Dai; AOTA, Hiroyuki; MATSUMOTO, Akira
- 2P075 Application of addition-condensation products of pyrrole with aldehyde for photoenergy conversion devices (13) Application of step- $\pi$ -conjugated polymer or solar cell

- (Kansai Univ.) ISHIKAWA, Takeshi; AOTA, Hiroyuki; MATSUMOTO, Akira
- 2P076 Fabrication of alkali cation anchored TiO<sub>2</sub>/MCM-41 and their photocatalytic activity  
(Osaka Univ.) NISHIZAWA, Kazuto; KUWAHARA, Yasutaka; KAMEGAWA, Takashi, MORI, Kohsuke; YAMASHITA, Hiromi
- 2P077 Generation of arrangement control of gold cluster on the clay surface  
(Tokyo Metro. Univ.; JST-PRESTO) FUJIMURA, Takuya; MISAKI, Yoshinari; SHIMADA, Tetsuya; TACHIBANA, Hiroshi, INOUE, Haruo; MASUI, Dai; TAKAGI, Shinsuke
- 2P078 Quantitative energy transfer reaction in an inorganic nanosheet-porphyrin complex  
(Tokyo Metro. Univ.; JST-PRESTO) ISHIDA, Yohei; MASUI, Dai; SHIMADA, Tetsuya; TACHIBANA, Hiroshi; INOUE, Haruo; TAKAGI, Shinsuke
- 2P079 Control of conduction band level and photo-electric conversion in dye-doped titania  
(Shinshu Univ.) RUDI AGUS, Setiawan; NISHIKIORI, Hiromasa; TANAKA, Nobuaki; FUJII, Tsuneo
- 2P080 A single-molecule study on the donor-acceptor type conjugated polymer  
(Tokyo Tech) HABUCHI, Satoshi; MICHINOBU, Tsuyoshi; VACHA, Martin
- 2P081 Strong coupling between vibronic coherent oscillations in carotenoids  
(Osaka City Univ.; JST-CREST) SUGISAKI, Mitsuru; KOSUMI, Daisuke; SAITO, Keisuke; FUJII, Ritsuko; HASHIMOTO, Hideki
- 2P082 Effect of Viscosity on Thermal Isomerization of Spiropyran Derivatives  
(Osaka Univ.) INOUE, Takuya; SHIRAIISHI, Yasuhiro; HIRAI, Takayuki
- 2P083 Synthesis of novel amphoteric Porphyrin for 3-D structure formation and its Porphyrin/Clay complexes formation behavior with Nano Layered Compound  
(Tokyo Metro. Univ.; JST-PREST/SORST) YOGO, Yuko; SHIMADA, Tetsuya; MASUI, Dai; TACHIBANA, Hiroshi; INOUE, Haruo; TAKAGI, Shinsuke
- 2P084 Humidity dependence on the photooxidation process of methane  
(Tokyo Metro. Univ.) IDA, Akira; YOSHINO, Ayako; KAMEI, Narumi; YAMASAKI, Shohei; NAKASHIMA, Yoshihiro; KAJII, Yoshizumi
- 2P085 Synthesis and photochemical properties of styrylnaphthalene having imidazole group  
(Univ. of Tsukuba) OTA, Miki; ARAI, Tatsuo
- 2P086 Magnetic Field Effects on the Photoinduced Electron-Transfer Reactions in a Ruthenium Porphycene-C<sub>60</sub> Ligand Complex  
(Kyushu Univ.) YONEMURA, Hiroaki ; MOTODA, Yuki ; KITAZAWA Hiroaki ; YAMADA, Sunao ; OKAWARA, Toru ; ABE, Masaaki ; SHIMAKOSHI, Hisashi ; HISAEDA, Yoshio
- 2P087 Ultrafast Fluorescence Dynamics of Pyranose 2-Oxidase (P2O) and Its Mutants: Comparison in glucose and acetate environments  
(Inst. for Laser Technology; Mahidol Univ.) CHOSROWJAN, Haik; TANIGUCHI, Seiji; MATAGA, Noboru; WONGNATE, Thanyaporn; CHAIYEN, Pimchai; TANAKA, Fumio
- 2P088 Properties of charge-transfer fluorescence revealed by single molecule spectroscopy

- (Kyoto Inst. Tech.; Kwansei Gakuin Univ.) SUGIYAMA, Dai; YAMANE, Yasumasa; MASUO, Sadahiro; MACHIDA, Shinjiro; ITAYA, Akira
- 2P089 Fabrication and Photoinduced Electron Transfer in Octaalkoxy Phthalocyanine-Molybdate-Alkyviologen Hybrid Langmuir-Blodgett Film  
(Shinshu Univ.) USAMI, Hisanao; SASAKI, Satoshi
- 2P090 Development of simultaneous AFM and fluorescence confocal microscopy with single molecule sensitivity for the study of nanoscale properties of organic materials  
(Tokyo Tech) NOZUE, Shuho; HABUCHI, Satoshi; VACHA, Martin
- 2P091 Single molecule detection of solutes in ultrasmall droplets  
(Osaka Univ., JST-PRESTO) IIDA, Atsushi; ITO, Syoji; MIYASAKA, Hiroshi
- 2P092 Water Structure Analysis at Crystal Surface in Metal loaded TiO<sub>2</sub> Photocatalysis by ATR-FTIR Spectroscopy  
(AIST; Nagaoka Univ. Technol.; Nagaoka National College of Tehcnol.) HIRAKAWA, Tsutomu; MURAKAMI, Yoshinori; NOSAKA, Yoshio
- 2P093 Photochemical Reactions of Benzophenone-Thiophenol Linked Compound in Ionic Liquids  
(Saitama Univ.) IWASAKI, Sachiyo; WAKASA, Masanobu; YAGO, Tomoaki
- 2P094 Development and Evaluation of near ultra violet OLED's used pyrene derivative  
(Nihon Univ.) IWANAGA, Kota; INOUCHI, Toshifumi; YOSHIKAWA, Tomokazu; SUZUKA, Isamu
- 2P095 Study of diffusion behavior of fluorescent molecules in water /2-butoxyethanol mixtures by means of fluorescence correlation spectroscopy  
(Tohoku Univ.) TOYOUCHI, Shuichi; KAJIMOTO, Shinji; FUKUMURA, Hiroshi; KIEL, Alexander; HERTEN, Dirk-Peter
- 2P096 Photochromism of poly (butyl methacrylate) film doped with gold nanoparticle and spiropyran  
(Ehime Univ.) MORI, Takuya; ASAHI, Tsuyoshi
- 2P097 Excited-state properties of chiral porphyrin J-aggregates  
(The Univ. of Tokyo) HIROMOTO, Junji; KITAGAWA, Yuuichi; ISHII, Kazuyuki
- 2P098 Charge carrier dynamics of nitrogen-doped TiO<sub>2</sub> powder studied by femtosecond diffuse reflectance spectroscopy under the weak-excitation condition  
(Toyota Central R&D Labs., Inc.) YAMANAKA, Ken-ichi; MORIKAWA, Takeshi
- 2P099 Evaluation of Fluorescence Behavior of Single CdSe and CdTe Quantum Dots  
(Kyoto Inst. Tech.; Kwansei Gakuin Univ.) TAKAHASHI, Yohei; MASUO, Sadahiro; KOBAYASHI, Yoichi; TAMAI, Naoto; MACHIDA, Shinjiro; ITAYA, Akira
- 2P100 Optical properties of single gold nanoframes studied by light scattering microspectroscopy  
(Ehime Univ.; Nagoya Univ.) MIZUMOTO, Yosei; ASAHI, Tsuyoshi; OKAZAKI, Ken-ichi; OKI, Makoto; TORIMOTO, Tsukasa
- 2P101 Polarized-light photon mapping of plasmon luminescence from gaps between a tip of scanning tunneling microscope and single gold nano-plates



- (Tohoku Univ.) FUJITA, Yasuhiko; SATO, Koichi; HANIS MOHD, Yusoff; KAJIMOTO, Shinji; HORIMOTO, Noriko; FUKUMURA, Hiroshi
- 2P102 Effects of 3-OH group on the dynamic behavior of cholesterol in lipid bilayers  
(Gunma Univ.) HOSOYA, Kenichiro; URAYAMA, Satoshi; YOSHIHARA, Toshitada; TOBITA, Seiji
- 2P103 Dynamic behavior of cholesterol in lipid bilayers: Study of excimer formation dynamics of pyrene cholesterol  
(Gunma Univ.) URAYAMA, Satoshi, YOSHIHARA, Toshitada, TOBITA, Seiji
- 2P104 Study on the interaction of singlet molecular oxygen and TiO<sub>2</sub> by measuring the phosphorescence  
(Nagaoka Univ. of Technol.) SAITO, Hironobu; NOSAKA, Yoshio
- 2P105 ESR study of radical species generated on visible light responsive photocatalysts  
(Nagaoka Univ. of Technol.) TAKAHASHI, Shinichiro; NOSAKA, Yoshio
- 2P106 Photochemically-induced crystallization of protein with gold nanostructures  
(Gunma Univ.; Hokkaido Univ.; AIST; JST-PRESTO) HARUTA, Susumu; MISAWA, Hiroaki; UENO, Kousei; YOKOTA, Yukie; NISHII, Junji; TAWA, Keiko; OKUTSU, Tetsuo
- 2P107 Luminescence response of CdTe quantum dots by surface plasmons of Au nanostructures  
(Kwansei Gakuin Univ.; Hokkaido Univ.) KAWADU, Yoshinari; UDAGAWA, Takeshi; TSUBOI, Yasuyuki ; TAMAI, Naoto
- 2P108 Development of oxygen-sensitive optical probes aimed at detecting cancer tissues : Highly-luminescent iridium complexes sensitized by intramolecular energy transfer  
(Gunma Univ.) TAKEKAWA, Syuichi; YOSHIHARA, Toshitada; TOBITA, Seiji
- 2P109 Photocatalytic degradation of volatile chlorinated organic compounds by tungsten oxide.  
(Yamaguchi Univ.) ICHIKAWA, Keiko; ADACHI, Kenta; YAMAZAKI, Suzuko
- 2P110 Photoinduced reductive dehalogenation of halobenzenes using MWCNTs  
(Shinshu Univ.) TANAKA, Nobuaki; MATSUMURA, Hiroshi; OKABE, Shogo; NISHIKIORI, Hiromasa; ENDO, Morinobu; FUJII, Tsuneo
- 2P111 Ultrafast fluorescence dynamics of HPA (*p*-hydroxyphenylacetate) hydroxylase  
(Inst. for Laser Technology, Mahidol Univ.) TANIGUCHI, Seiji; CHOSROWJAN, Haik; MATAGA, Noboru; WONGNATE, Thanyaporn; CHAIYEN, Pimchai; TANAKA, Fumio
- 2P112 Fluorescence Behavior of Single Quantum Dot- Silver Nanorod Systems  
(Kyoto Inst. Tech.; Kwansei Gakuin Univ.) FUKUBA, Mitsunari; MASUO, Sadahiro; MACHIDA, Shinjiro; ITAYA, Akira
- 2P113 Photo-induced condensation of water in undersaturation atmosphere  
(Gunma Univ.; Tokyo Metro. Univ.; JST-PRESTO) SAITOH, Masaki; YOSHIHARA Keitaro; KAZII, Yosizumi; HORIUCHI, Hiroaki; HIRATSUKA, Hiroshi; OKUTSU, Tetsuo