

Poster Presentation: September 7 (Wed) 12:50-14:30

Odd number (12:50 - 13:40) Even number (13:40 - 14:30)

- 2P001** Photophysical studies of Thioflavin T dimer produced in γ -cyclodextrin cavity (Hamamatsu Photonics) ○H. Satozono
- 2P002** Time resolved MFE measurements in photo induced intramolecular electron transfer reaction as a probe of a biological environment (Saitama Univ. · The Univ. Tokyo) ○K. Arakawa · K. Maeda · J. Woodward
- 2P003** Triplet exciton diffusion and upconversion enhancement in plasmonic hybrid nanostructures for photon upconversion (Tokyo Tech.) ○L. Bujak · S. Hirata · M. Vacha
- 2P004** Laser trapping-induced crystallization of potassium chloride and its morphological control (National Chiao Tung Univ.) ○A. Cheng · K. Yuyama · T. Sugiyama · H. Masuhara
- 2P005** Fluorescence lifetime measurements of cyanine aggregates on plasmonic nanostructures by means of fluorescence-lifetime imaging microscope (Osaka City Univ. · Univ. of Hyogo · Swinburne Univ. of Tech.) ○T. Shoji · A. Mototsuji · H. Yao · A. Clayton · S. Juodkazis · Y. Tsuboi
- 2P006** Microscopic property of polymer thin films as revealed by three-dimensional single molecule tracking (Osaka Univ. · Toyama Prefectural Univ. · Osaka City Univ.) ○K. Hiratsuka · S. Takei · D. Kitagawa · S. Kobatake · S. Ito · H. Miyasaka
- 2P007** PbS quantum dot solar cell -Correlation between surface modification and photovoltaic Performance- (Kwansei Gakuin Univ.) ○N. Tsujii · S. Masuo
- 2P008** Development of a femtosecond fluorescence lifetime measurement system using transient grating and its application to cycloreversion reaction dynamics of diarylethene derivatives (Osaka Univ.) ○H. Sotome · K. Une · T. Nagasaka · M. Muramatsu · H. Miyasaka
- 2P009** Hot electron transfer dynamics of CdSe/CdS core-shell quantum dots-methylviologen systems (Kwansei gakuin Univ.) ○K. Nonaka · T. Okuhata · T. Katayama · L. Wang · N. Tamai
- 2P010** Solvent dependence of the fluorescence yields and the S_1 -state lifetimes of cis,trans-1,4-diphenylbuta-1,3-diene. (Kanagawa Univ.) ○Y. Hirata
- 2P011** Magnetic field effects on level cross mechanism of diphenylhexatriene (Saitama Univ.) ○K. Ishikawa · T. Yago · M. Wakasa
- 2P012** Triboluminescence properties of lanthanide coordination polymers (Hokkaido Univ.) ○M. Yamamoto · S. Tateno · T. Nakanishi · Y. Kitagawa · K. Fushimi · Y. Hasegawa
- 2P013** Primary stage of photochemical reaction of lysozyme (Gunma Univ.) ○A. Okunari · H. Horiuchi · T. Okutsu
- 2P014** Enhancement of plasmon-induced charge separation efficiency by coating silver nanocubes with a thin gold film (The Univ. Tokyo) ○K. Akiyoshi · K. Saito · T. Tatsuma
- 2P015** Photoreaction mechanism of 2-chlorophenol in frozen aqueous solutions studied by GC-MS (Tokyo Univ. of Agriculture and Tech.) ○K. Hombo · N. Akai · M. Nakata
- 2P016** Switching phenomena of the magnetic field effects on photon upconversion based on sensitized triplet-triplet annihilation (Kyushu Univ.) ○H. Yonemura · Y. Naka · M. Nishino · S. Yamada
- 2P017** Preparation of nanoparticles of organometal halide perovskites and their exciton dynamics (Kwansei Gakuin Univ.) ○H. Suenaga · T. Okuhata · T. Katayama · N. Tamai
- 2P018** Time-resolved spectroscopic study of singlet excitons in crystalline peropyrene derivatives: examination of singlet fission process (Tokushima Univ. · AIST · Osaka Univ.) ○D. Yamanaka · S. Yanagiya · A. Furube · H. Matsuzaki · K. Uchida · T. Kubo
- 2P019** Improvement of collection time in a subnanosecond transient absorption system using a novel technique: RIPT method (Unisoku Co., Ltd. · Nihon Univ.) ○K. Okamoto · H. Hanada · R. Katoh · T. Nakagawa
- 2P020** Fabrication and characterization of the dye-sensitized solar cells using (D- π)₅-Ph-A type dyes (Rikkyo Univ. · Shizuoka Univ.) ○Y. Nakagome · S. Inoue · K. Kobayashi · M. Mitsui
- 2P021** Luminescence switching of semiconductor nanoparticles by photochromic diarylethene derivatives

- (Kwansei Gakuin Univ. • Yokohama National Univ. • Rikkyo Univ.) ○K. Kinoshita • K. Uemoto • Y. Usui • T. Katayama • Y. Yokoyama • M. Morimoto • M. Irie • N. Tamai
- 2P022** Optical switching of luminescence properties of CdTe quantum dots -diarylethene hybrid nanostructure (Kwansei gakuin Univ. • Rikkyo Univ.) ○K. Uemoto • K. Kinoshita • T. Katayama • M. Morimoto • M. Irie • N. Tamai
- 2P023** Microspectroscopic study on protein crystallization induced by laser trapping (Hokkaido • Univ.) ○K. Ueda • A. Miura • N. Kitamura
- 2P024** Excitation energy transfer in the reconstituted LH1 complex from a purple photosynthetic bacterium *Rs. rubrum* G9+ with fucoxanthin (Kwansei Gakuin Univ. • South Product Co. Ltd. • Osaka City Univ.) ○N. Yukihiro • Y. Sugai • M. Fujiwara • C. Urugami • M. Iha • K. Sakaguchi • S. Katsumura • H. Hashimoto
- 2P025** Visualization of the emission site in branched multipolar chromophores using single-molecule fluorescence imaging (Rikkyo Univ. • Shizuoka • Univ.) ○Y. Takakura • Y. Fujiwara • K. Kobayashi • M. Mitsui
- 2P026** Observation of photo-induced charge-separated state in thiophene-thiazolothiazole copolymer thin film by using time-resolved EPR method (Kobe Univ. • RIKEN) ○Y. Yamamoto • T. Tachikawa • I. Osaka • Y. Kobori
- 2P027** Detection of OH radicals formed by the plasmonic excitation of Au-TiO₂ photocatalyst (NIT, Nagaoka College) ○T. Hayashi • K. Nakamura • Y. Murakami
- 2P028** Fabrication of BPEA nanoparticles using the laser ablation in surfactant solutions and its fluorescent properties. (NIT, Nagaoka College) ○M. Aizuka • K. Mikami • Y. Murakami
- 2P029** Solvent effects on white-light luminescence of core CdSe quantum dots synthesized at room temperature; unusual fluorescence in dichloromethane (Josai Univ.) ○F. Nagashima • T. Uwada • M. Ishikawa
- 2P030** Photoionization dynamics of a phenylenediamine derivative induced by multiphoton excitation (Osaka Univ.) ○M. Koga • Y. Yoneda • H. Soutome • H. Miyasaka
- 2P031** Photocatalytic activity of copper ion-dispersing titania (Shinshu Univ.) ○K. Suehara • H. Nishikiori
- 2P032** A luminescent triarylmethyl radical with two pyridyl groups: high photostability, stimuli-responsive property and solid state emission (The Univ. Tokyo) ○S. Kimura • A. Tanushi • T. Kusamoto • H. Nishihara
- 2P033** Photochromism and fluorescent properties of diarylethene with pyrene units on the side chains (Yokohama National Univ.) ○K. Futamata • T. Nakagawa • Y. Yokoyama
- 2P034** Absorption and fluorescence properties of 2-(N,N-dimethylamino)tryptanthrin derivatives (Hirosaki Univ.) ○T. Kadowaki • J. Kawakami • S. Ito
- 2P035** Photophysical properties of fluorescent tryptanthrin derivatives (Hirosaki Univ.) ○M. Takahashi • J. Kawakami • S. Ito
- 2P036** Absorption and fluorescence properties of 2-Aminotryptanthrin derivatives with 1,10-phenanthroline (Hirosaki Univ.) ○R. Hashimoto • J. Kawakami • S. Ito
- 2P037** Photochemical behavior of stilbene derivatives in bovine serum albumin and in water (Univ. of Tsukuba) ○Y. Ishida • T. Ara
- 2P038** Effect of substituent on fluorescence, isomerization and hydrogen atom transfer reaction for olefins having pyridine and pyrrole rings (Univ. of Tsukuba) ○M. Miyazaki • T. Arai
- 2P039** Photochemical properties of compounds having a photocleavage reaction site and an intramolecular hydrogen bonding site (Univ. of Tsukuba) ○R. Sugimoto • T. Arai
- 2P040** Photochemical properties of 2'-hydroxychalcone derivatives (Univ. of Tsukuba) ○Y. Shinozaki • T. Arai
- 2P041** Photochemical and thermal isomerization behavior of amphiphilic azobenzene cored dendrimers (Univ. of Tsukuba) ○M. Mamiya • S. Fukushima • T. Arai
- 2P042** Photophysical properties of Red/NIR fluorescent Ar₃O-BODIPYs in aqueous media or living cells (Univ. of Tsukuba) ○M. Yamamura • S. Yazaki • M. Shimamura • T. Nabeshima

- 2P043** Substituent effects on tautomer formation behavior of the anthracene-urea derivatives (Univ. of Tsukuba) ○K. Tougasaki · Y. Nishimura · T. Arai
- 2P044** Synthesis and photophysical properties of azaperylene derivatives (Keio Univ.) ○A. Hirono · H. Sakai · T. Hasobe
- 2P045** Structural and photophysical properties of pentacene-alkanethiolate monolayer on metal Nanostructures (Keio Univ.) ○D. Kato · H. Sakai · T. Hasobe
- 2P046** Photochemical behaviors of coumarin-urea derivatives with an electron accepting unit (Univ. of Tsukuba) ○T. Shinoda · Y. Nishimura · T. Arai
- 2P047** The development of the efficient synthetic method of aminobenzopyranoxanthene (ABPX) dyes containing the cyclic amino groups, and the evaluation of the photophysical properties (Okayama Univ. · RIKEN CLST) ○N. Fukino · S. Kamino · D. Sawada
- 2P048** Development of nitrogen- and oxygen-centered radical reactions by visible-light-induced photoredox catalysis (Tokyo Tech) K. Miyazawa · ○T. Koike · M. Akita
- 2P049** Zinc porphyrin/rhenium complex hybrid system for visible light induced CO₂ photo-reduction on p-type semiconductor (Tokyo Metropolitan Univ.) ○D. Yamamoto · Y. Ko · Y. Nabetani · H. Tachibana · H. Inoue
- 2P050** Development of fluorescence quenching-based ODN probes for the detection of thymine (Nihon Univ.) ○T. Takeda · T. Aso · M. Yanagi · N. Takahashi · Y. Saito
- 2P051** Photochemical behavior of intramolecularly hydrogen bonded olefins substituted with benzthiazole and formylpyrrole (Univ. of Tsukuba) ○Y. Satou · T. Ara
- 2P052** Synthesis and properties of 4,5-diarylxanthene (Josai Univ.) ○K. Takayama · M. Hashimoto
- 2P053** Fluorescence behavior of π -extended 4,8,12-triazatriangulene cations in solution, in aggregates, and in the solid state (Kyoto Univ.) ○T. Hirose · H. Noguchi · K. Sasatsuki · S. Yokoyama · K. Matsuda
- 2P054** Polymerization by photoinduced decarboxylation of carboxylic acid as radical initiator (Univ. of Fukui) ○M. Yamawaki · Y. Kamiya · A. Ukai · Y. Yoshimi
- 2P055** Synthesis of chlorophyll analogues and their optical properties (Ritsumeikan Univ. · Ryukoku Univ.) ○K. Kim · K. Tsuji · T. Miyatake · H. Tamiaki
- 2P056** Preparation of chiral paracyclophane-lanthanoid hybrid luminophore and its circularly polarized luminescence (CPL) properties (Kinki Univ. · OMTRI · Nara Inst. Sci. Tech.) ○Y. Kono · A. Taniguti · M. Shizuma · M. Fujiki · Y. Imai
- 2P057** Circularly polarized luminescence (CPL) properties of chiral peptide-pyrene organic fluorophore and its solvent effect (Kinki Univ. · Nara Inst. Sci. Tech.) ○S. Kitamura · M. Kitamatsu · M. Fujiki · Y. Ima
- 2P058** Evaluation of up-conversion based on triplet-triplet annihilation of tetraphenyltetrabenzoporphyrin (Shizuoka Univ.) ○M. Nagata · H. Kawai
- 2P059** Synthesis and properties of imidazolium salts with carbazole as fluorescent ionic liquids (Osaka Kyoiku Univ.) ○K. Hori · K. Uchida · K. Tani
- 2P060** Synthesis and properties of carbazoles with imidazole ring as multicolor emissive molecules (Osaka Kyoiku Univ.) ○K. Uchida · K. Hori · K. Tani
- 2P061** Effect of hexylpyridinio group on porphyrin-sensitized photoinactivation of E. coli under visible light irradiation (Univ. of Miyazaki) ○Y. Suemoto · J. Matsumoto · H. Yokoi · M. Yasuda
- 2P062** DNA local conformations monitored by controlling redox blinking (Osaka Univ. · Kyoto Univ. · Tokyo Tech) ○K. Kawai · K. Higashiguchi · A. Maruyama · T. Majima
- 2P063** Preparation and characterisation of DNA possessing a fluorescent dye cluster (Univ. of Hyogo) ○T. Takada · Y. Honda · M. Nakamura · K. Yamana
- 2P064** Photocatalytic defluorination of 2-fluoroacetophenone on titanium dioxide: A new approach for radical addition reaction (Hyogo Univ. Health Sci.) ○S. Kohtani · H. Okamoto · K. Uemoto · A. Kawashima · E. Yoshioka · H. Miyabe
- 2P065** Emission properties of dinuclear ruthenium(II) complex having 1,10-phenanthroline type bridging ligand (Hokkaido Univ) ○R. Takagi · S. Fujii · N. Kitamura

- 2P066** Photophysical and electrochemical properties of novel metal-to-ligand charge-transfer type hexamolybdenum(II) clusters (Hokkaido Univ.) ○T. Horiguchi · S. Akagi · S. Fujii · N. Kitamura
- 2P067** Photophysical and photosensitizing properties of new iridium complexes with ligands of Coumarin 6 (The Univ. Tokyo) ○S. Sebata · S. Takizawa · S. Murata
- 2P068** Metal ion sensing based on a novel fluorescent compound having anthrylethynyl unit (Hokkaido Univ.) ○R. Ishimura · A. Nakagawa · S. Fujii · N. Kitamura
- 2P069** Synthesis and properties of metal complex photocatalysts capturing carbon dioxide (Tokyo Univ. Tech.) ○T. Morimoto · T. Kitamura
- 2P070** Effect of Addition of Chemicals on Photochemical CO₂ Reduction Catalyzed by Ruthenium Complex (Kitasato Univ.) ○K. Kitamura · K. Ushida · H. Ishida
- 2P071** Synthesis and CO₂ Reduction of Novel Supramolecular Photocatalysts in Which Photosensitizing and Catalytic Sites Link with a Peptide (Kitasato Univ.) ○C. Kojima · J. Itabashi · K. Ushida · H. Ishida
- 2P072** Phase-separation in polymer blends as revealed by photoactivation localization microscopy (PALM) with diarylethene derivatives (Osaka Univ. · Toyama Pref. Univ. · Rikkyo Univ.) ○H. Fujita · Y. Arai · S. Ito · H. Miyasaka · S. Takei · M. Morimoto · M. Irie
- 2P073** Fast photochromism involving stepwise two-photon absorption process of phenoxy-imidazolyl radical complex having a thiophene ring (Aoyama Gakuin Univ.) ○Y. Kobayashi · T. Ikezawa · K. Mutoh · J. Abe
- 2P074** Performance of PbSe quantum dot based heterojunction solar cells: Dependence on ligand type (Univ. Electro-Commun. · Nanjing Tech. Univ. · Kyushu Inst. Tech.) ○Y. Zhang · C. Ding · J. Chang · Y. Ogomi · S. Hayase · T. Toyoda · Q. Shen
- 2P075** Plasmon-induced charge separation on gold nanoparticles arrays dominated by interface mode (The Univ. Tokyo) ○K. Kao · H. Nishi · T. Tatsuma
- 2P076** Influence of lattice defects on interfacial electronic properties of the MAPbI₃-graphene hybrid system. an electronic-structure simulation study (Kumamoto Univ. · The Univ. Tokyo) ○M. Sugimoto · W. Wang · J. Dang · R. Jono · H. Segawa
- 2P077** Impact of Sn distribution on photovoltaic properties of Pb-Sn mixed perovskites. an electronic-structure simulation study (Univ. of Tokyo · Kumamoto Univ.) ○J. Dang · W. Wang · R. Jono · M. Sugimoto · H. Segawa
- 2P078** Hot electron transfer as observed from LSPR shifts for single gold nanoparticles (Univ. of Tokushima) ○T. Inada · S. Yanagiya · S. Hashimoto
- 2P079** Properties of the triplet-triplet annihilation upconversion in solid cast samples using linear-alkyl-chain-modified diphenylanthracene (AIST · Kwansei Gakuin Univ. · Shizuoka Univ.) ○Y. Sakagami · T. Mizokuro · K. Kamada · H. Osawa · K. Kobayashi
- 2P080** Photochromism of phenoxy-imidazolyl radical complex derivatives having a triplet sensitizer unit (Aoyama Gakuin Univ.) J. Abe · Y. Kobayashi · K. Mutoh · ○Y. Mamiya
- 2P081** Nanofabrication through plasmonic heating (Tokushima Univ.) ○S. Mukai · S. Hashimoto
- 2P082** The synthesis of two dimensional porphyrin polymers and their photochemical properties (Osaka Univ.) ○Y. Osakada · K. Nomura · M. Fujitsuka · T. Majima
- 2P083** Construction of an environmental system with hybrid of layered silicate and metal complex (NIMS) ○M. Eguchi · M. Momotake · M. Higuchi
- 2P084** Phosphorescent properties of Pt-porphyrin derivative fixed on the surface of nano porous glass (AIST · Kwansei Gakuin Univ.) ○T. Mizokuro · Y. Sakagami · T. Jin · K. Kamada
- 2P085** Nanostructures and photo-functions of azobenzene/niobate hybrid film (Tokyo Metropolitan Univ.) ○Y. Nabetani · S. Hassan · H. Horiguchi · H. Tachibana · H. Inoue
- 2P086** Photochromic reaction behavior of thiophene-S,S-dioxidized diarylethenes having various substituents at the reactive positions (Osaka City Univ.) ○K. Tanaka · H. Shoji · S. Kobatake
- 2P087** Synthesis of silver nanoparticles within the interlayer space of layered compounds and their specific properties (Niigata Univ.) ○S. Sakai · S. Kawamura · K. Sasaki · K. Saito · M. Yagi · T. Yui

- 2P088** Synthesis and properties of novel organic sensitizers for high performance dye-sensitized solar cells (Josai Univ.) ○K. Takahashi • M. Hashimoto
- 2P089** Luminescence properties of Iridium complexes with 5-aryldipromethene ligand (Josai Univ) ○K. Masai • M. Hashimoto
- 2P090** Multi-color fluorescence photoswitching by using fluorescent diarylethene nanoparticles (Kumamoto Univ.) ○S. Ishida • T. Fukaminato • S. Kim • T. Ogata • S. Kurihara
- 2P091** Cooperative photoorientation and fluorescence photoswitching of a fluorescent dye doped in an Azobenzene Liquid-crystalline Polymer (Kumamoto Univ.) ○T. Hashimoto • T. Fukaminato • S. Kim • T. Ogata • S. Kurihara
- 2P092** Photocontrol of cytotoxicity by using photoresponsive surfactants (Kumamoto Univ.) ○R. Takashima • T. Fukaminato • T. Nidome • T. Ogata • S. Kim • S. Kurihara
- 2P093** Photo-induced fluorescence quenching of fluorescence benzothiazole nanoparticles doped with diarylethene (Ehime Univ. • Kumamoto Univ.) ○T. Watanabe • S. Sasaki • Y. Ishibashi • T. Fukaminato • T. Asahi
- 2P094** Thermal bleaching reactivity of thiophene-S,S-dioxidized diarylethenes in various media. (Osaka City Univ.) ○Y. Nakai • S. Kobatake
- 2P095** Photochromism and fluorescence on/off switching of diarylethene nanoparticles (Osaka City Univ.) ○T. Nakahama • D. Kitagawa • S. Kobatake
- 2P096** Nucleation mechanism controlling metal-vapor deposition on the low-Tg colorless diarylethene surface (Osaka Kyoiku Univ.) ○K. Hoshimoto • T. Tsujioka
- 2P097** Photomechanical effect of single crystals of diarylethenes bearing long-chain alkyl groups (Osaka City Univ.) ○K. Kawasaki • S. Kobatake
- 2P098** Evaluation of up-conversion using cationic dyes in DNA matrix (Shizuoka Univ.) ○T. Atsumi • H. Kawai
- 2P099** Photocatalytic water oxidation under visible light by rutile titania modified with cobalt hydroxide (Tokyo Tech) ○K. Maeda • K. Ishimaki
- 2P100** Photoinduced electron transfer reaction on the clay nano sheet by visible light (Tokyo Metropolitan Univ.) ○M. Kumasaka • T. Shimada • S. Takag
- 2P101** Syntheses and optical properties of cyclic and linear carbazole tetramers (Univ.of Yamanashi) ○S. Tanaka • K. Simura • S. Inata • M. Tanaka • K. Ogawa
- 2P102** Thermal fading reaction behavior of diarylethene derivatives in the presence of acid. (Osaka City Univ.) ○H. Maemichi • S. Kobatake
- 2P103** Study for a novel negative photochromic compound with the rational molecular design (Hiroshima Univ.) ○S. Hatano • C. Shimokawa • M. Abe
- 2P104** Fluorescent chiral sensors based on boronate ensembles (Tokyo Metropolitan Univ.) ○M. Kawai • Y. Kubo
- 2P105** Synthesis of 2,3-naphtho-fused BODIPY dyes with near-infrared absorbing property (Tokyo Metropolitan Univ.) ○M. Nakashima • S. Yamazawa • R. Nishiyabu • Y. Kubo
- 2P106** Photoexcited states and singlet oxygen quenching of a UV-A-absorbing molecule: hexyl diethylaminohydroxybenzoylbenzoate (Uvinul A Plus) (Yokohama National Univ. • Shiseido Research Center) ○Y. Shamoto • M. Yagi • N. Oguchi-Fujiyama • K. Miyazawa • A. Kikuchi