

Poster Presentation: September 8 (Thu) 15:40-17:20

Odd number (15:40 - 16:30) Even number (16:30 - 17:20)

- 3P001** The effect of oxygen nanobubbles on the singlet oxygen formation (Univ. of Tsukuba) ○Y. Nishimura · S. Okazaki · T. Arai
- 3P002** Fabrication of silver nanoparticles at a water-glass interface from a silver salt solution by CW laser irradiation: excitation wavelength dependence of photoreduction (Osaka Univ.) ○K. Setoura · M. Yamada · S. Ito · H. Miyasaka
- 3P003** Persistent room temperature phosphorescence from non-polar pure aromatic crystals (Tokyo Tech.) ○S. Hirata · M. Vacha
- 3P004** Transient absorption spectroscopy of gold nanoparticles on titanium dioxide single crystal substrate (Hokkaido Univ. · National Chiao Tung Univ.) ○J. Li · Q. Sun · T. Oshikiri · K. Ueno · H. Misawa
- 3P005** Plasmonic optical trapping and microspectroscopic analysis of nano-sized dye aggregates (Osaka City Univ. · Univ. of Hyogo · Hokkaido Univ.) ○A. Mototsuji · T. Shoji · H. Yao · T. Yoshii · K. Murakoshi · Y. Tsuboi
- 3P006** Complex formation in organic ligand-dispersing titania and its photoelectric conversion properties (Shinshu Univ.) ○H. Ebara · H. Nishikiori
- 3P007** Charge transfer quenching dynamics of O₂ (¹Δ_g) by electron donor molecules in room temperature ionic liquids (Tokyo Tech) ○M. Kato · T. Yoshida · A. Kawai
- 3P008** Inhibition of harmful intermediate emission during photocatalytic degradation of trichloroethylene (Shinshu Univ.) ○H. Takayama · H. Nishikiori ·
- 3P009** Properties of photofuel cells using titania electrode and power (Shinshu Univ.) ○W. Han · H. Nishikiori
- 3P010** Two-photon absorption cross-sections of diphenylpolyyenes using optical-probing photoacoustic spectroscopy (Aoyama Gakuin Univ.) ○T. Isozaki · T. Suzuki
- 3P011** Micro-patterning of cyanobacteria on a metallic nanostructure by a plasmon-induced microbubble formation (Osaka City Univ. · Hokkaido Univ. · Ritsumeikan Univ.) ○S. Naka · T. Shoji · T. Yoshii · K. Murakoshi · T. Mizoguchi · H. Tamiaki · Y. Tsuboi
- 3P012** Two-laser photoionization of spiropyran in the presence of cyclodextrin in an aqueous solution (Fukui Univ. of Tech.) ○A. Yano · T. Takeshita · M. Hara
- 3P013** Micro-patterning of polymer microgels by using plasmonic optical tweezers (Osaka City Univ. · Hokkaido Univ.) ○M. Deguchi · T. Shoji · T. Asoh · T. Yoshii · K. Murakoshi · Y. Tsuboi
- 3P014** Mechanism of photocatalytic reaction of methylene blue adsorbed on nanocrystalline TiO₂ films (Nihon Univ.) ○M. Enoki · Y. Iida · R. Katoh
- 3P015** Transient absorption of porphyrin dye in ionic liquid as studied by attenuated total reflection spectroscopy (Tokyo Tech) ○A. Satake · Z. Fu · S. Yanagibashi · A. Kawai
- 3P016** Concentration analysis of a Poly(N-isopropylacrylamide)-rich domain in water by means of Optical tweezers combined with confocal raman microspectroscopy (Osaka City Univ.) ○K. Ushiro · T. Shoji · M. Matsumoto · T. Asoh · Y. Tsuboi
- 3P017** Temperature effect on photopolymerization of 1,6-Di-(carbazolyl)-2,4-hexadiyne nanocrystal. (Ehime Univ. · Tohoku · Univ.) ○T. Uemitsu · Y. Yamaoka · T. Onodera · H. Oikawa · T. Asahi
- 3P018** Spatially selective trapping of DNA based on localized surface plasmon : Studies on the mechanism of micro-ring formation (Osaka City Univ. · Hokkaido Univ.) ○K. Itoh · T. Shoji · T. Yoshii · K. Murakoshi · Y. Tsuboi
- 3P019** The effect of the amino group on the acid-responsive photosensitizer (Gunma Univ.) ○A. Hirabara · H. Horiuchi · R. Kuribara · T. Okutsu
- 3P020** Study of functional inhibitory effect of D-aminoacid oxidase by femtosecond fluorescence

- measurement (ILT) ○S. Taniguchi • H. Chosrowjan • F. Tanaka
- 3P021** The photoelectric conversion properties of plasmonic solar cell with different Schottky barrier height (Hokkaido Univ. • NCTU) ○H. Sawayanagi • K. Nakamura • T. Oshikiri • K. Ueno • H. Misawa
- 3P022** Reaction dynamics of holes in TiO₂ studied by sub-nanosecond time-resolved transient absorption spectroscopy (Nihon Univ. • UNISOKU) ○T. Nakamura • T. Nakagawa • R. Katoh
- 3P023** A laser T-jump study on the phase separation dynamics of aqueous solutions for thermoresponsive copolymer (Osaka City Univ. • Hokkaido Univ.) ○T. Deguchi • M. Matsumoto • T. Tada • T. Asoh • T. Shoji • Y. Tsuboi
- 3P024** Fluorescence behaviors of methyl—pyridinium derivatives on clay nanosheets (Tokyo Metropolitan Univ.) ○M. Motohashi • R. Honma • Y. Ohtani • S. Nakamoto • N. Kudo • T. Shimada • S. Takagi
- 3P025** Femtosecond time-resolved infrared absorption study on photoexcited dynamics of regioregular poly(3-hexylthiophene) (Aoyama Gakuin Univ.) ○G. Aoyama • H. Okajima • A. Sakamoto
- 3P026** Development of frequency modulated photochemical phase microscopy and the observation of phase transition of liquid crystals (Chuo Univ.) ○D. Kato • W. Sohn • K. Katayama
- 3P027** Elucidation of mechanism of multiphoton emission enhancement in a single quantum dot by a metal-coated AFM tip (Kwansei Gakuin Univ.) ○N. Koizumi • H. Takata • H. Naiki • S. Masuo
- 3P028** Charge carrier dynamics in CH₃NH₃PbI₃-based Perovskite layer revealed by laser scanning spectromicroscopy (Rikkyo Univ.) ○Y. Saito • M. Mitsui
- 3P029** Pressure effects on luminescence from colloidal gold nanoparticles under nanosecond pulsed laser excitation (Tohoku Univ. • Tokushima Univ.) ○T. Matsumoto • S. Kajimoto • H. Hukumura • S. Hashimoto
- 3P030** The dynamics of the conformation changes of diarylethenes by two-step laser excitation (Saitama Univ.) ○R. Murata • T. Yago • M. Wakasa
- 3P031** Enantioselective photochromism of diarylethenes in Human Serum Albumin upon irradiation with longer wavelength UV light (Yokohama National Univ.) ○Y. Saeki • T. Nakagawa • Y. Yokoyama
- 3P032** Photochromism of novel diarylethene derivatives with intramolecular hydrogen bond and the effect of acid (Yokohama National Univ.) ○H. Kobayashi • T. Nakagawa • Y. Yokoyama
- 3P033** The excited state C–C bond cleavage–luminescence phenomenon of benzophenone-substituted methylenecyclopropanes (Osaka Pref. Univ.) ○K. Takabatake • Y. Matsui • E. Ohta • H. Ikeda
- 3P034** Spectroscopic and photophysical properties of triarylboranes with perfluoro-core structures (Hokkaido Univ.) ○K. Takamura • N. Kitamura
- 3P035** Transient photoluminescence spectroscopy of organic dyes adsorbed on thin films of the metal oxide semiconductor (Josai Univ.) ○K. Watanabe • T. Fujiya • K. Mitsuke • K. Takahashi • M. Hashimoto
- 3P036** Contrasting ring-opening reactivities controlling emission properties of naphthyl-substituted methylenecyclopropanes (Osaka Pref. Univ.) ○K. Shimono • K. Takae • Y. Matsui • E. Ohta • H. Ikeda
- 3P037** Synthesis and photophysical properties of binaphthyl-bridged pentacene dimers (Keio Univ.) ○T. Sakuma • H. Sakai • T. Hasobe
- 3P038** Photochemical radical addition of alcohols to olefins in aqueous solutions using hydrogen peroxide (Nihon Univ. •) ○G. Li • M. Hayakawa • T. Aoyama • A. Ouchi
- 3P039** Practical synthesis and spectroscopic properties of mono-substituted perylene derivatives (Shizuoka Univ.) M. Takahashi • ○K. Asaba • T. Sengoku • H. Yoda
- 3P040** Study on Photoreaction of 2-Naphthol derivatives with Aliphatic amines (Shimane Univ.) ○Y. Matsuda • H. Shiratori • Y. Kubo
- 3P041** Synthesis of dimeric Imidazo[1,5-a]pyridinium salts and its photophysical properties (Tokushima Univ.) F. Yagishita • ○C. Nii • Y. Tezuka • S. Ueta • Y. Kawamura
- 3P042** Photochemical reaction of indenones leading to C₂ symmetry dimers (Chiba Univ. •) ○N. Tamura • Y. Yoshida • T. Mino • M. Sakamoto
- 3P043** Photoformation of surface relief using photopolymerizable anthracene film (Yokohama National

- Univ.) ○S. Imura • T. Sonoda • M. Nakayama • T. Ubukata
- 3P044** Photo chemistry of Aryldigermanoxane toward the generation germanone (Univ. of Saitama) ○T. Maeda • M. Wakasa • T. Yago
- 3P045** Photochemical behavior of novel cationic BODIPY derivatives on the clay nanosheets (Tokyo Metropolitan Univ.) ○S. Nakamoto • Y. Ohtani • N. Kudo • M. Motohashi • T. Shimada • S. Takagi
- 3P046** Temperature effects on self-aggregation of synthetic zinc chlorins with a chiral 1-hydroxyethyl group in silicone oil (Ryukoku Univ. • Ritsumeikan Univ.) T. Miyatake • ○Y. Yamamoto • H. Tamiaki
- 3P047** Self-aggregation and fluorescence emission of chlorophyll derivatives introduced into a lipid bilayer (Ryukoku Univ.) T. Miyatake • ○N. Nishimura
- 3P048** Perovskite solar cells fabricated with arylamine Polymers via Addition Condensation as Hole Transporting Layers (Waseda Univ. • The Univ. Tokyo) ○K. Suwa • H. Maruo • K. Oyaizu • H. Segawa • H. Nishide
- 3P049** Fluorescence property of pyrene modified nucleic acids (Univ. of Hyogo) J. Suzuki • ○M. Nakamura • T. Takada • K. Yamana
- 3P050** Formation of surface relief on diacetylene films (Yokohama National Univ.) ○Y. Iwamoto • T. Ubukata
- 3P051** Modification of edge site of clay by organic dye and the observation of its energy transfer behavior (Tokyo Metropolitan Univ.) ○J. Mizuno • Y. Ohtani • T. Shimada • S. Takagi
- 3P052** Photochemical reactions of 1-substituted isatins and 1-substituted 7-azaisatins with alkenes (Aichi Inst. of Tech.) ○J. Tatsugi • K. Maedera • K. Mizuno • Y. Karasawa
- 3P053** A Zinc(II) terpyridine complex featuring multi-functional luminochromism (The Univ. Tokyo • Osaka Univ. • Osaka Univ. • Univ. of Tsukuba) ○T. Tsukamoto • R. Sakamoto • R. Toyoda • M. Shimada • Y. Hattori • M. Asaoka • Y. Kitagawa • E. Nishibori • M. Nakano • H. Nishihara
- 3P054** RNA imaging with exciton controlled DNA probe (The Univ. Tokyo) ○M. Tamai • G. Hayashi • A. Okamoto
- 3P055** Synthesis and fluorescence properties of Sb-porphyrin complex with GFP chromophore (Univ. of Miyazaki) ○K. Takemori • J. Matsumoto • T. Shiragami • M. Yasuda
- 3P056** Photoinduced electron transfer reaction using a hydrophobic riboflavin derivative in vesicle (The Univ. Tokyo) ○Y. Satou • N. Ikuta • S. Takizawa • S. Murata
- 3P057** Reductive transformation of organic molecules promoted by visible light and base activated hydroxyaryl substituted benzimidazoline derivatives (Niigata Univ.) ○N. Izumiya • Y. Nagakura • K. Matsumoto • E. Hasegawa
- 3P058** Synthesis and photoreaction of enzyme modified with diarylethene (Kitasato Univ.) ○T. Kazumi • T. Inada
- 3P059** Stereoslective synthesis of C₂ symmetry macrocyclic polyethers via photodimerization of chromones (Chiba Univ.) ○K. Sano • R. Taira • Y. Yoshida • T. Mino • M. Sakamoto
- 3P060** Construction of efficient photochemical hydrogen generation systems catalyzed by cobalt complexes in vesicles (The Univ. Tokyo) ○M. Koike • N. Ikuta • S. Takizawa • S. Murata
- 3P061** Supramolecular Asymmetric Photochirogenesis (SMAP) of 2-Anthracenecarboxylate with Proteins & Polymer Hybrids as Chiral Reaction Media-15 -Effects of PEGylation upon the Ground and Excited States Interactions between Serum Albumins and 2-Anthracene Carboxylate- (Tohoku Univ. • Osaka Univ. • Univ. of Tsukuba) ○M. Okugi • S. Toyooka • H. Sasaki • M. Nishijima • Y. Araki • S. Sakamoto • Y. Ikeda • Y. Nagasaki • Y. Inoue • T. Wada
- 3P062** High time-resolved Circular Dichroism study on the photo-excited state dynamics of cyclodextrin inclusion complex (Tohoku Univ.) ○M. Kuronuma • T. Sato • Y. Araki • S. Sakamoto • T. Wada
- 3P063** Solid-state ES IPT luminescence of imidazopyridine derivatives bearing intra- and intermolecular hydrogen-bonding sites (The Univ. Tokyo) S. Kaneta • I. Yoshikawa • H. Houjou • ○T. Mutai
- 3P064** Efficient photooxidation of water using TiO₂ electrode co-adsorbed with germanium porphyrin and organic dye under visible-light irradiation (Univ. of Miyazaki) ○N. Okumura • T. Shiragami

- 3P065** Photochemical racemization of fac-trisphenylpyrazolato iridium(III) complexes (Chiba Univ.)
○M. Matsushita · . Kobayashi · S. Yagai · T. Karatsu
- 3P066** Photosubstitution reaction of ruthenium complexes having intramolecular hydrogen bonding
(National Defense Academy of Japan) ○M. Hirahara · R. Yamamoto · K. Uchida · Y. Umemura
- 3P067** Adsorption behavior and electron transfer of semiconductor nanosheets-dye complex (Tokyo Metropolitan Univ.) ○A. Sonotani · T. Shimada · S. Takagi
- 3P068** Preparation and photocatalytic properties of hydrophobic TiO₂-SiO₂ Nano-hybrids (Hyogo Univ. Health Sci.) ○A. Kawashima · M. Okazawa · A. Yamasaki · H. Miyabe · S. Kohtani
- 3P069** Dependence on diphosphine ligand in the MLCT emission from Cu(I) phenanthroline-diphosphine complexes (Gunma Univ. · Seikei Univ.) ○M. Asano · Y. Yasuda · M. Nishikawa · T. Tsubomura
- 3P070** Synthesis and photophysical properties of [Ru(1,4,5,8-tetraazaphenanthrene)₃]²⁺ (Hokkaido Univ.)
○Y. Kanno · N. Kitamura
- 3P071** Dual-functional surfactant-templated strategy for synthesis of an in-situ N₂-intercalated mesoporous WO₃ photoanode for efficient visible-light-driven water oxidation (Niigata Univ.) D. Li · K. Saito · T. Yui · ○M. Yagi
- 3P072** Efficiency enhancement of PbS colloidal quantum-dot/ZnO nanowire heterojunction solar cells (The Univ. Tokyo) ○H. Wang · J. Nakazaki · T. Kubo · H. Segawa
- 3P073** Comparison of the stability of organic ligands on the oxygen evolving center of Photosystem II and manganese oxide water oxidation catalysts (The Univ. Tokyo · RIKEN) ○T. Hayashi · A. Yamaguchi · K. Hashimoto · R. Nakamura
- 3P074** Surface modification of perovskite-type organic metal halides by graphene oxide. an electronic-structure simulation study (The Univ. Tokyo · Kumamoto Univ.) ○W. Wang · J. Dang · R. Jono · M. Sugimoto · H. Segawa
- 3P075** New ruthenium complexes for dye-sensitized photoelectrochemical water splitting (Tokyo Metropolitan Univ.) ○I. Purnama · Y. Mulyana · Y. Kubo
- 3P076** Synthesis of pyridylated and carboxylated chlorophyll derivatives and their application for dye-sensitized solar cells (Ritsumeikan Univ. · Jilin Univ.) ○Y. Cui · X. Wang · H. Tamiaki
- 3P077** Physicochemical properties of polycrystalline bismuth tungstate affecting photocatalytic water oxidation. (Yamaguchi Univ.) ○Y. Hasegawa · S. Yamazaki
- 3P078** Photocatalytic degradation of gaseous acetaldehyde on metal-ion-doped TiO₂ film under visible light irradiation (Yamaguchi Univ.) ○K. Kozasa · N. Nishiyama · K. Honda · S. Yamazaki
- 3P079** Plasmon-induced photoelectric conversion using TiO₂ nanotube loaded with gold nanoparticles (Hokkaido Univ. · Tokyo Metropolitan Univ.) ○R. Takakura · T. Oshikiri · K. Ueno · T. Kondo · H. Masuda · H. Misawa
- 3P080** Synthesis and photophysical properties of D-π-A pyrene dye-modified polyoxazolines and its gels (Tokyo Tech) ○G. Konishi · C. Chen · Y. Niko
- 3P081** Syntheses of step-π-conjugated polymers and their application for photoenergy conversion systems. (105) Synthesis of macromolecular wire forming microscopically heterogeneous environment and their photochemical behavior. (Kansai Univ.) ○K. Takagi · H. Aota
- 3P082** Syntheses of step-π-conjugated polymers and their application for photoenergy conversion systems(106) Synthesis and photochemical behavior of amphiphilic macromolecular wire (Kansai Univ.) ○K. Yoshida · K. Watanabe · H. Aota.
- 3P083** Syntheses of step-π-conjugated polymers and their application for photoenergy conversion systems(107) Synthesis of amphiphilic macromolecular wire having different energy levels and photochemical behavior (Kansai Univ.) ○C. Fujiwara · T. Kobayashi · H. Guo · H. Aota
- 3P084** T Syntheses of step-π-conjugated polymers and their application for photoenergy conversion systems (108) Photoinduced electron transfer in A,B-block type amphiphilic polymers having different energy levels. (Kansai Univ.) ○Y. Ishikawa · T. Kobayashi · H. Aota
- 3P085** Withdraw
- 3P086** Syntheses and properties of step-π-conjugated polymers and their application for photo energy

- conversion systems (110) Synthesis of amphiphilic macromolecular wire with a donor and accept at terminal. (Kansai Univ.) ○H. Mitani • D. Oshima • H. Aota.
- 3P087** Syntheses of step- π -conjugated polymers and their application for photoenergy conversion systems(111) Evaluation of platinum colloid using a polymer wire (Kansai Univ.) ○Y. Iwakura • H. Aota
- 3P088** Syntheses of step- π -conjugated polymers and their application for photoenergy conversation systems (112) Synthesis of high-density charge storage polymer with the aim of fast electron transfer and application to the electricity storage device (Kansai Univ.) ○K. Maruyama • H. Aota
- 3P089** Syntheses and properties of narrow-bandgap polymers(7) Evaluation of post- crosslinking reaction (Kansai Univ.) ○T. Ohashi • H. Aota
- 3P090** Synthesis and photochromic properties of a fluorescent naphthopyran (Yokohama National Univ.) ○A. Mabuchi • M. Yagi • A. Kikuchi
- 3P091** Asymmetric photoreaction of a diarylethene having a benzophosphole group (Rikkyo Univ.) ○T. Ichikawa • M. Morimoto • M. Irie
- 3P092** Analysis and control of electronic states of Ru- and Re-complexes formed on surface of BPy-PMO: interplay between computation and experiments (Toyota Central R&D Labs., Inc., ACT-C) ○S. Shirai • Y. Goto • Y. Maegawa • M. Waki • S. Inagaki
- 3P093** Size-controlled synthesis of MOF photocatalysts for a photoredox reaction using inorganic salts as modulators (Osaka Pref. Univ.) ○N. Ueno • Y. Horiuchi • M. Matsuoka
- 3P094** Phase separation of polymers through plasmonic-heating (Univ. of Tokushima) ○J. Chikazawa • T. Inada • S. Hashimoto
- 3P095** Visible-light response and photo-oxidation of tyrosine by interfacial charge-transfer transitions (Gunma Univ.) ○N. Kikuchi • J. Fujisawa • M. Hanaya
- 3P096** Direct-injection solar cells based on interfacial charge-transfer transitions (Gunma Univ.) ○T. Shimode • J. Fujisawa • M. Hanaya
- 3P097** Study on energy offset for electron injection from excited dyes to metal oxides (Gunma Univ.) ○A. Osawa • J. Fujisawa • M. Hanaya
- 3P098** Photochemical behavior of stilbazolium derivatives on the clay nanosheets : Surface-Fixation Induced Emission (Tokyo Metropolitan Univ.) ○N. Kudo • D. Tokieda • S. Nakamoto • T. Tsukamoto • T. Shimada • S. Takagi
- 3P099** Aggregation behavior of phenylthiourea-modified poly(allyl amine) oligomers in aqueous solution (Kyoto Inst. Tech.) ○K. Miyasaka • N. Ichinose • T. Nagahara
- 3P100** Delayed fluorescence of nano-aggregates of tetraphenylethene at 77 K (Kyoto Inst. Tech.) ○N. Ichinose • T. Miura • T. Nagahara
- 3P101** Photo-absorption property of TiO₂-TCNQ interfacial complexes : Formation condition dependence (The Univ.Tokyo) ○T. Kondo • R. Jono • J. Nakazaki • H. Segawa
- 3P102** Fabrication of two-dimensional (2D) arrays consisting of gold nanoparticles with larger sizes (Kyushu Univ.) ○Y. Yanaga • T. Sako • T. Ishida • Y. Takahashi • S. Yamada
- 3P103** Near-infrared electrochromism based on plasmonic copper sulfide nanoparticles (Institute of Industrial Science, The Univ. Tokyo) ○H. Nishi • K. Asami • T. Tatsuma
- 3P104** Circular dichroism spectrum in the photo-excited triplet state of chiral π -electron system (Tohoku Univ.) ○T. Sato • Y. Araki • M. Kuronuma • S. Sakamoto • T. Wada
- 3P105** Microparticle formation of highly crystalline fullerene derivative by laser ablation in solution (Univ. of Tokushima) ○M. Yagura • Y. Tezuka • S. Hashimoto