

Poster Presentation: September 6 (Tues) 18:20-20:00

Odd number (18:20 - 19:10) Even number (19:10 - 20:00)

- 1P001** Preparation and fluorescence properties of perylene diimide nanoparticles having a one-dimensional π -stacking structure (Ehime Univ.) ○S. Sasaki · S. Higuchi · T. Asahi
- 1P002** Photo-switching of optical trapping force by exploiting photochromic reaction (Osaka Univ. · Rikkyo Univ.) ○M. Mitsuishi · K. Setoura · S. Ito · H. Miyasaka · M. Morimoto · M. Irie
- 1P003** Photoelectrochemical and photovoltaic properties of plasmonic two-dimensional halfshell arrays (The Univ. Tokyo) ○L. Wu · G. Kim · H. Nishi · T. Tatsuma
- 1P004** The elucidation of dynamics and mechanism of sequential two-photon cycloreversion of diarylethene derivatives by femtosecond double pulse excitation (Osaka Univ. · Osaka City Univ. · Rikkyo Univ.) ○K. Une · H. Sotome · H. Miyasaka · S. Kobatake · M. Irie
- 1P005** Photoinduced changes in phase-separated structures of hybrid films of azobenzene-based photochromic amorphous molecular materials with imidazolium salts (Muroran Inst. Tech.) ○T. Iwashita · H. Nakano
- 1P006** Photochemically-induced crystallization of protein in International Space Station "KIBOU" (Gunma Univ.) ○S. Kasahara · Y. Amano · H. Horiuchi · T. Okutsu
- 1P007** Highly efficient CT emission of carbazole derivative using J-type exciton coupling (Hokkaido Univ.) ○R. Yachi · Y. Kitagawa · T. Nakanishi · K. Fushimi · Y. Hasegawa
- 1P008** Photoluminescence of SrTiO₃ mesocrystals studied by single-particle spectroelectrochemistry (Kobe Univ.) ○T. Ochi · Y. Kobori · T. Tachikawa
- 1P009** Time resolved EPR study on the geometry and the dynamics of initial charge separated states in Thiophen-Thiazolothiazole Copolymers: PCBM blend film (Kobe Univ. · RIKEN) ○T. Ako · T. Tachikawa · I. Osaka · Y. Kobori
- 1P010** Intermolecular disproportionation between two radical anions visualized by real-time vibrational spectroscopy (Kanagawa Univ.) ○S. Hashimoto · A. Yabushita · I. Iwakura
- 1P011** Spatially-resolved analysis of dye absorption number and photon-to-current conversion dynamics in dye-sensitized solar cells using laser scanning photocurrent and photoluminescent microscopy (Rikkyo Univ.) ○K. Mori · M. Mitsui
- 1P012** Quantitative Analysis of Water for Understanding Electron Injection Processes in Dye-sensitized Nanocrystalline Semiconductor Films (Nihon Univ.) ○R. Ishizaki · R. Katoh
- 1P013** Photocatalytic decomposition of dye-aggregates formed on TiO₂ Single crystal studied by highly sensitive absorption spectroscopy (Nihon Univ.) ○R. Fukino · R. Katoh
- 1P014** Photoionization of aromatic hydrocarbons in the presence of cyclodextrins (Fukui Univ. of Tech.) ○T. Takeshita · A. Yano · M. Hara
- 1P015** Excited state dynamics of mono- and di-thio substituted nucleobases and singlet oxygen production (Univ. of Aoyama Gakuin · Univ.) ○S. Miyata · T. Isozaki · T. Suzuki
- 1P016** Observation of photochromic reaction of 2-phenylazo-1-methyl-3-alkylimidazoliumbistrifluoromethylsulfonamide by attenuated total reflection spectroscopy (Tokyo Tech) ○T. Yoshida · A. Kawai
- 1P017** Fabrication of WO₃-immobilized microreactor and products for photocatalytic oxidation of benzene (Aoyama Gakuin Univ.) ○A. Okawa · T. Isozaki · T. Suzuki
- 1P018** Electrochemical tuning of gap distance of Au Nanodimer in a single nm scale (Hokkaido Univ.) ○S. Oikawa · N. Kimura · H. Minamimoto · K. Murakoshi
- 1P019** Optical properties of dye molecules in strongly coupled with localized surface plasmons by electrochemical in-situ surface-enhanced Raman scattering measurements (Hokkaido Univ.) ○F. Kato · Y. Wakisaka · H. Minamimoto · K. Murakoshi
- 1P020** Polymorphism of perylene nanocrystals in polymer matrices studied by single particle spectroscopy (Josai Univ.) ○T. Uwada · M. Sato · M. Ishikawa
- 1P021** Excited-state energy levels and photophysics of short polyenes (Hiroshima Univ.) ○T. Itoh

- 1P022** Elucidation of the dynamic phase separation behavior in aqueous solution of poly(N,N-diethylacrylamide) using a laser temperature-jump technique combined with transient photometry (Osaka City Univ.) ○M. Matsumoto • T. Asoh • T. Shoji • Y. Tsuboi
- 1P023** Dispersion stability of fine particles formed in perylene aqueous suspensions with Triton X-100 by nanosecond laser irradiation (Univ. of the Ryukyus) T. Kura • ○Y. Tamaki
- 1P024** Steady State and Laser Photolysis Studies of Keto-Enol Tautomerizations in 2-Alkyl-1,3-Diketones Having Five-Membered Rings in Acetonitrile: Temporal UV-A Sunscreen (Gunma Univ.) Y. Suwa • ○M. Yamaji
- 1P025** Higher Magnetic Field Effects on Singlet Fission in Rubrene (Saitama Univ.) ○T. Yoshida • T. Yago • M. Wakasa
- 1P026** Multiphoton-gated cycloreversion reaction of diarylethene derivatives as revealed by femtosecond two-color and two-pulse excitation (Osaka Univ. • Osaka City Univ. • Nara Inst. Sci. Tech.) ○T. Nagasaka • K. Une • H. Sotome • H. Miyasaka • S. Kobatake • T. Kawai
- 1P027** Immobilizing of fluorescent single molecules on grass surfaces by covalent bonding, reexamination (Josai Univ.) ○T. Takahashi • M. Ishikawa • T. Uwada
- 1P028** Charge-carrier dynamics in nitrogen-doped Ta₂O₅ powder studied by femtosecond diffuse reflectance spectroscopy (Toyota Central R&D Labs., Inc) ○K. Yamanaka • T. Suzuki • S. Saeki • S. Sato • T. Morikawa
- 1P029** Excited state dynamics of indigo derivative studied by femtosecond transient absorption spectroscopy utilizing noncollinear OPA (Ritsumeikan Univ.) ○A. Daicho • A. Matsumoto • H. Nakagawa • Y. Ozaki • Y. Nagasawa
- 1P030** Photoconversion of Diketoacene Derivatives in the Crystalline Phase (Kwansei Gakuin Univ. • Nara Inst. Sci. Tech.) ○Y. Miyamoto • M. Suzuki • N. Aratani • H. Yamada • S. Masuo
- 1P031** Photo-switching of an intramolecular chiral stack in a photochromic tetra-arylene (Nara Inst. Sci. Tech.) ○Y. Hashimoto • T. Nakashima • T. Kawai
- 1P032** Highly efficient organic photoreactions under slug flow conditions in flow microreactors (Nara Inst. Sci. Tech.) ○M. Nakano • Y. Nishiyama • K. Kakiuchi
- 1P033** Specific photoisomerization induced by dendritic effect (Univ. of Tsukuba) ○H. Sakurai • T. Arai
- 1P034** Facile synthesis of water soluble cationic Tin(IV) porphyrins and water insoluble Tin(IV) porphyrins in water at ambient temperature towards Artificial photosynthesis (Tokyo Metropolitan Univ.) ○A. Thomas • K. Fazalurahman • R. Sebastian Nybin • S. Mathew • Y. Daisuke • O. Satomi • N. Yu • T. Hiroshi • H. Inoue
- 1P035** Supramolecular asymmetric photochirogenesis mediated by synthetic antibody: The effect of the temperature, pH and ionic strength upon [4+4] enantiodifferentiating photodimerization of 2-anthracenecarboxylate mediated by synthetic scFv antibody (Tohoku Univ. • Osaka Univ.) ○W. Yospanya • S. Sakamoto • Y. Araki • M. Nishijima • Y. Inoue • T. Wada
- 1P036** Synthesis and fluorescence switching of silica nanoparticle covered with diarylethene polymers (Osaka City Univ.) ○K. Shimizu • S. Kobatake
- 1P037** Imine-linked receptor designed based on Strecker reaction for sensitive fluorometric detection of cyanide anion. (Osaka Univ. • JST PRESTO) ○N. Hayashi • Y. Shiraishi • T. Hirai
- 1P038** Near infrared-to-visible photon upconversion based on S₀-T₁ absorption of sensitizer (Kyushu Univ. • CMS, Kyushu Univ. • JST-PRESTO) ○Y. Sasaki • S. Amemori • N. Yanai • N. Kimizuka
- 1P039** Structural analysis of stilbene clusters in DNA duplexes by using orientation-dependent FRET system (Nagoya Univ.) ○H. Kawai • T. Doi • H. Kashida • H. Asanuma
- 1P040** Effects of oxygen gas bubbling on photo-catalytic degradation of 4-chlorophenol by porous glass columnar reactor (Shinshu Univ.) ○K. Okumura • H. Usami
- 1P041** Photochromic and fluorescent properties of a phenoxynaphthacenequinone derivative having donor-acceptor units (Yokohama National Univ.) ○Y. Miyasaka • Y. Yokoyama • T. Nakagawa
- 1P042** Efficient charge-transfer emission of mixed crystals composed of two different diarylmethanato-boron difluorides (Osaka Pref. Univ.) ○S. Nishida • A. Sakai • Y. Matsui • E.

- Ohta · H. Ikeda
- 1P043** Triplet–triplet annihilation photon upconversion of a new dyad linked by adamantane (Osaka Pref. Univ.) ○M. Kanoh · Y. Matsui · E. Ohta · H. Ikeda
- 1P044** Development of $4n\pi$ -electron antiaromatic porphyrinoids that exhibit intense near-IR absorption (The Univ.Tokyo · RIKEN) ○S. Yanagi · N. Toriumi · A. Muranaka · M. Uchiyama
- 1P045** Mechanoresponsive emission of vicinally connected tetraaryl compounds (YOKOHAMA National Univ.) S. Ito · ○T. Taguchi · T. Yamada · M. Asami
- 1P046** Photophysical properties of face-to-face perylene dimer and trimer (Nara Inst. Sci. Tech.) ○T. Murayama · N. Aratani · H. Yamada
- 1P047** Naked-eye visualization and quantification of trace water based on the dual solvatochromic and nanoaggregate fluorescence of aminobenzopyranoxanthene dyes (Okayama Univ. · RIKEN · The Univ.Tokyo · Hiroshima Univ) ○M. Tanioka · S. Kamino · A. Muranaka · Y. Shirasaki · Y. Ooyama · M. Ueda · M. Uchiyama · S. Enomoto · D. Sawada
- 1P048** Novel photo-oxygenation reaction with light-harvesting functionality through the active species transfer on the clay surface (Tokyo Metropolitan Univ.) ○S. Suzuki · D. Tatsumi · T. Tsukamoto · T. Shimada · S. Takagi
- 1P049** The Synthesis of the cationic anthracene dye and the effective use of DNA for the upconversion emission. (NITkit · Shizuoka Univ.) ○A. Fukuzaki · T. Nagamura · T. Okawara · H. Kawai · K. Takehara
- 1P050** Persistent room-temperature phosphorescence from organic crystals of carbazole derivatives (Chiba Univ.) ○Y. Jibu · Y. Yoshikawa · S. Yagai · T. Karatsu
- 1P051** Zinc Ion Induced Circular Dichroism and Circular Polarized Luminescence of Pyrene Dimer (Tokyo Univ. of Sci. · Nara Inst. Sci. Tech.) ○Y. Imai · T. Kawai · J. Yuasa
- 1P052** Supramolecular Asymmetric Photochirogenesis (SMAP) of 2-Anthracene Carboxylate and 2,6-Anthracene Dicarboxylate mediated by Serum Albumin (Tohoku Univ. · Osaka Univ.) ○S. Toyooka · M. Nishijima · Y. Araki · S. Sakamoto · Y. Inoue · T. Wada
- 1P053** Photochromic Properties of HABI Crystals (Waseda Univ. · New York Univ. Abu Dhabi) ○J. Komiya · Y. Gambrill · H. Koshima · T. Asahi
- 1P054** Self-association and fluorescence behavior of [60]fullerene-pentacene monoadduct (Okayama unive.) ○K. Kubo · T. Tajima · H. Shirai · T. Nishihama · Y. Takaguchi
- 1P055** Metabolic controlling of denitrifies by extracellular electron transfer (Tokyo Tech · RIKEN) ○T. Yamada · A. Nakashima · N. Matsushita · R. Nakamura
- 1P056** Supramolecular water oxidation catalyst for artificial photosynthesis (Tokyo Metropolitan Univ.) ○S. Mathew · F. Kuttassery · D. Yamamoto · S. Onuki · Y. Nabetani · H.T achibana · H. Inoue
- 1P057** Fluorescence detection of glycosidase based on aggregation of donor-acceptor dyes (NIT, Kurume College) ○A. Inakazu · Y. Shirai · K. Kawai · I. Kitahara · T. Ishi-I
- 1P058** Meta-photocycloadditions of 2-Naphthoic Acid Derivatives with Styrene: Effect of Structure of Acid Derivatives and Introduction of Alkyl Substituents (Shimane Univ.) ○H. Watabe · H. Shiratori · Y. Kubo
- 1P059** Role of hydrogen bonding and keto-enol tautomerization on photochemical properties of pyridone derivatives (Univ. of Tsukuba) ○K. Shimizu · T. Haseyama · T. Arai
- 1P060** Photochemical and fluorescence properties of 2-[2-(2-pyrrolyl)ethenyl]pyridine with electron donating and accepting substituents (Univ. of Tsukuba) ○K. Takayama · T. Arai
- 1P061** Study of a substituent effect on the bioluminescent properties of firefly luciferin analogues (The Univ.of Electro-Communications) ○S. Ito · M. Kakiuchi · S. Maki · T. Hirano
- 1P062** Development of fluorophores based on the firefly light-emitter: benzothiazole carboxylic acid derivatives (The Univ.of Electro-Communications · Gunma Univ.) ○Y. Takahashi · T. Uehara · M. Yamaji · S. Maki · T. Hirano
- 1P063** Exploration of a factor for high efficiency in imidazopyrazinone chemiluminescence (The Univ.of Electro-Communications) ○Y. Kanai · S. Maki · T. Hirano

- 1P064** Photo-precipitation of single wall carbon nanotubes from the complex of photo reactive dispersant in film (Chiba Univ.) Y. Ke · ○S. Takahara
- 1P065** A gadolinium(III) complex that shows room-temperature phosphorescence in the crystalline state (Kyushu Univ. · Kindai Univ.) ○K. Kitagawa · T. Matsumoto · S. Ogo · H. Nakai
- 1P066** Effects of intensity borrowing on intense emission from arylborane–ruthenium(II) complexes (Hokkaido Univ. · Kochi Univ. of Tech. · Nagasaki Univ. · Hokkaido Univ.) ○A. Nakagawa · A. Ito · E. Sakuda · N. Kitamura
- 1P067** Z-scheme CO₂ reduction using a hybrid of a yttrium-tantalum oxynitride and a binuclear Ru(II) complex (Tokyo Tech · NIMS) ○K. Muraoka · H. Kumagai · M. Eguchi · O. Ishitani · K. Maeda
- 1P068** Photophysical properties of europium(III) coordination polymers with tridentate carbazole units (Hokkaido Univ.) ○S. Natori · Y. Kitagawa · T. Nakanishi · K. Fushimi · Y. Hasegawa
- 1P069** Photocatalytic CO₂ reduction using Mn(I) complexes as a catalyst and Os(II) complexes as a photosensitizer (Tokyo Tech) ○Y. Suzuki · H. Takeda · O. Ishitani
- 1P070** Mechanochemical syntheses and emission color tuning of highly emissive Cu(I) complexes by assisting solvents (Hokkaido · Univ.) ○T. Hasegawa · M. Yoshida · A. Kobayashi · M. Kato
- 1P071** Visible light-driven H₂O₂ production with water and molecular oxygen by carbon nitride-graphene hybrid photocatalysts (Osaka Univ. · JST PRESTO) ○S. Mori · Y. Isobe · Y. Kofuji · Y. Shiraishi · T. Hira
- 1P072** Photochromism of reversed phenoxyl-Imidazolyl radical complex which has two photochromic units (Aoyama Gakuin Univ.) ○S. Toshimitsu · K. Mutoh · Y. Kobayashi · J. Abe
- 1P073** Z-schematic water splitting under visible light irradiation using Ru/SrTiO₃:Rh and BiVO₄:Mo (Tokyo Univ. Sci.) ○Y. Udagawa · S. Yoshino · A. Iwase · A. Kudo
- 1P074** Photon energy conversion by decomposition of an aqueous ammonia solution over metal sulfide photocatalysts (Tokyo Univ. Sci.) ○K. Ii · A. Iwase · A. Kudo
- 1P075** High-performance oxygen sensors based on luminescent lanthanide(III) complexes (Kyushu Univ. · Kindai Univ.) ○M. Kuyama · T. Matsumoto · S. Ogo · H. Nakai
- 1P076** Spectroscopic characterization of gold nanoparticles stabilized with a pyrene-thiol derivative (Kagoshima Univ.) ○Y. Chiga · Y. Yokogawa · Y. Niidome · J. Kurawaki
- 1P077** Demagnetization of Bi, Al-substituted DyIG substrates by photothermal effects of phthalocyanines (The Univ. Tokyo) ○M. Karasawa · K. Ishii
- 1P078** Self-contained photoacid generator using a subsequent reaction of photocyclization of teraylenes (Nara Inst. Sci. Tech.) ○R. Li · T. Nakashima · T. Kawai
- 1P079** Photoresponsive Azobenzene/Niobate hybrid nanoscrolls: photo-reactivity and nanostructure (Tokyo Metropolitan Univ.) ○S. Hassan · Y. Nabetani · H. Tachibana · H. Inoue
- 1P080** A facile method to produce semi-transparent perovskite films by one-step spincoating and vacuum drying (The Univ. Tokyo) ○G. Kim · T. Tatsuma
- 1P081** Vapofluorochromic properties of emitting amorphous molecular materials containing triphenylamine moieties (Muroran Inst. Tech.) ○K. Ogura · H. Nakano
- 1P082** Factors influencing activation of platinum-ion-doped titanium dioxide under visible light irradiation (Yamaguchi Univ.) ○N. Nishiyama · S. Yamazaki
- 1P083** Selectivity of crystal patterning of diarylethene deposited film having 1-methyl -2-phenylethyl groups (Ryukoku Univ. · Dept. of Chem., Asahikawa Med. Univ. · Osaka Kyoiku Univ. · Sch. Pharm., TUPLS · RIKEN RINC) ○K. Kawasaki · H. Mayama · T. Tsujioka · S. Yokojima · S. Nakamura · K. Uchida
- 1P084** Photoinduced biomimetic diarylethene microcrystalline surface, mimicking the surface structures of the termite wing (Ryukoku Univ. · Yamagata Univ. · Asahikawa Med. Univ. · TUPLS · RIKEN RINC) ○R. Nishimura · Y. Nonomura · H. Mayama · S. Yokojima · S. Nakamura · K. Uchida
- 1P085** Synthesis and fluorescence on/off switching properties of polymers bearing fluorene and diarylethene moieties (Osaka City Univ. · Osaka Univ.) ○T. Nakahama · D. Kitagawa · H. Sotome · S. Ito · H. Miyasaka · S. Kobatake

- 1P086** Synthesis and photochemical properties of dumbbell-shaped ZnS-AgInS₂ nanoparticles having heterojunction (Nagoya Univ.) ○S. Koyama • T. Kameyama • T. Torimoto
- 1P087** Evaluation of fluorescent properties of crystal cross-linked gel with a cross-linker showing aggregation-induced emission (Hokkaido Univ.) ○T. Oura • K. Kokado • K. Sada
- 1P088** Nanosecond pulse laser induced nonlinear photocycloreversion reaction of diarylethene nanocolloids (Ehime Univ. • Osaka city • Univ.) ○K. Masuda • Y. Ishibashi • D. Kitagawa • S. Kobatake • T. Asahi
- 1P089** Plasmonic sensitization with AuAg alloy nanoparticles prepared by ionic liquid/metal sputter deposition technique (Nagoya Univ. • Osaka Univ.) ○E. Kumazawa • T. Kameyama • S. Kuwabata • T. Torimoto
- 1P090** Light-induced electron transfer in supramolecular nanocomposites based on MoS₂ and dendritic dispersant (Okayama Univ.) ○R. Hirayama • T. Tajima • Y. Takaguchi
- 1P091** Room-temperature synthesis of monodispersed gold nanoparticles by photochemical reduction with citrate (Osaka Univ. • JST PRESTO) ○H. Tanaka • Y. Shiraishi • T. Hirai
- 1P092** Longer operating lifetime of alternating current driven electrochemiluminescence based on electron transfer reaction between Ruthenium complex and TiO₂ nanoparticles (Chiba Univ.) ○S. Tsuneyasu • K. Ichihara • K. Nakamura • N. Kobayashi
- 1P093** The energy transfer of clay-porphyrin membrane aiming at the environment-responsive light-harvesting system (Tokyo Metropolitan Unive.) ○H. Nishina • S. Hoshino • Y. Ohtani • T. Shimada • S. Takagi
- 1P094** Mechanical motion of anthrylmethyleneindanone crystals induced by E-Z photoisomerization (Waseda Univ. • Ehime Univ. • System Instruments Co., LTD.) ○T. Taniguchi • H. Uchimoto • Y. Ishibashi • A. Kubota • H. Takahashi • H. Koshima • T. Asahi
- 1P095** Photocatalysis characteristics of the n-type perylene derivative and p-type cobalt phthalocyanine bilayer responsive to the entire visible-light energy (Hirosaki Univ. • Tokyo Tech) ○M. Okumura • Y. Kikuchi • K. Nagai • T. Abe
- 1P096** Development of near-infrared responsive photoelectrodes with anisotropic metal nanoparticles (Kyushu • Univ.) ○Y. Fujihisa • S. Yamada • Y. Takahashi
- 1P097** Development of alignment-controlled gold nanorod films utilizing langmuir-blodgett method (Kyushu • Univ.) ○T. Sako • N. Ide • Y. Takahashi • S. Yamada
- 1P098** Irradiation wavelength dependence of photocurrent polarity in solid-state plasmonic solar cell (Hokkaido Univ. • NCTU) ○K. Nakamura • T. Katase • T. Oshikiri • K. Ueno • H. Ohta • H. Misawa
- 1P099** Photophysical properties of chiral aggregates of polythiophenes (The Univ. Tokyo • KU Leuven) ○S. Hattori • S. Vandendriessche • G. Koeckelberghs • T. Verbiest • K. Ishi
- 1P100** Harvesting energy of quantum dots by photoreactions (Hokkaido Univ.) ○V. Biju • R. Kohara
- 1P101** Bandgap tunable ZnMgO electron-transporting layers for stable PbS colloidal quantum dot photovoltaics (The Univ. of Electro-Communications) ○C. Ding • Y. Zhang • Q. Shen
- 1P102** Nucleation characteristics of Mg vapor deposition on the colorless DAE surface (Osaka Kyoiku Univ.) ○M. Okuda • T. Tsujioka
- 1P103** Reversible color change and emission modulation of binary films composed of amorphous molecular material and p-toluene sulfonic acid (Muroran Inst. Tech.) ○R. Ichikawa • E. Nagata • T. Nishimura • H. Nakano
- 1P104** Effect of alkyl chain length on emitting properties of 1-Alkylcarbamoylpyrenes (Muroran Inst. Tech.) ○T. Ara • H. Nakano
- 1P105** Creation of amorphous molecular materials possessing pyrene moieties and their mechanofluorochromic properties (Muroran Inst. Tech.) ○S. Yoneta • E. Nagata • T. Ara • H. Nakano
- 1P106** Metal-atom desorption from a low-T_g polymer surface and its application to metal-vapor integration (Osaka Kyoiku Univ.) ○R. Ou • S. Matsumoto • T. Tsujioka