

## Poster Presentation: September 9 (Wed)

Odd number (18:20 - 19:10)

Even number (19:10 - 20:00)

【General Education Building, 3F】

- 1P001** Excitation wavelength and temperature dependencies of photoinduced cycloreversion and cyclization of diarylethene derivatives (Osaka Univ., Osaka City Univ., Rikkyo Univ.) K. Une · H. Sotome · H. Miyasaka · S. Kobatake · M. Irie
- 1P002** Single-particle photoluminescence observation of hybrid organic–inorganic perovskite nanoparticles (Kobe Univ.) I. Karimata · Y. Kobori · T. Tachikawa
- 1P003** Time-resolved EPR study on initial charge separated state in Thiophen-Thiazolothiazole Copolymers: PCBM blend film (Kobe Univ, RIKEN) T. Aiko · T. Tachikawa · I. Osaka · Y. Kobori
- 1P004** Single-molecule fluorescence spectroscopy of branched multipolar chromophores (Rikkyo Univ., Shizuoka Univ.) Y. Takakura · H. Fujiwara · K. Kobayashi · M. Mitsui
- 1P005** Time-resolved EPR study on local structure of human insulin undergoing fibrillation (Kobe Univ.) T. Abe · T. Tachikawa · E. Chatani · Y. Kobori
- 1P006** Observation of electron-transfer dynamics of electron-donor-substituted acridinium derivatives by the sub-nanosecond time resolved transient absorption spectroscopy (Osaka Univ., ALCA, JST-SENTAN, UNISOKU Co., Ltd, Meijo Univ.) T. Tsudaka · K. Ohkubo · T. Nakagawa · H. Hanada · S. Fukuzumi
- 1P007** Evaluation of microscopic inhomogeneity in polymer films by single-molecule tracking of fluorescent diarylethene derivatives (Osaka Univ., Toyama Prefectural Univ., Rikkyo Univ.) Y. Arai · S. Takei · S. Ito · H. Miyasaka · K. Uno · Y. Takagi · M. Morimoto · M. Irie
- 1P008** Fluorescence Photoswitching of Push-Pull Terarylenes Systems (Nara Inst. Sci. Tech.) R. Kanazawa · T. Nakashima · T. Kawai
- 1P009** Single-particle fluorescence microspectroscopy of organometal halide perovskite nanoparticles (Rikkyo Univ.) K. Mori · M. Mitsui
- 1P010** Oxidation reaction of toluene in the microreactor with immobilized-photocatalyst (Aoyamagakuin Univ.) A. Ookawa · R. Yoshida · T. Isozaki · T. Suzuki
- 1P011** Three-dimensional diffusion analysis of liquid crystals using single-molecule tracking methods (Tokyo Inst. Tech.) K. Ueda · S. Hirata · M. Vacha
- 1P012** Photochemical processes on gold nanoparticles thin film prepared at liquid-liquid interface (Waseda Univ.) Y. Nishikado · H. Mizobata · K. Imura
- 1P013** Photochromic reactions induced at gold nanorod assembly (Waseda Univ., Osaka City Univ.) S. Noda · H. Mizobata · H. Hamada · S. Kobatake · K. Imura
- 1P014** Fabrication and characterization of dye-sensitized solar cells using starburst-type (D- $\pi$ )<sub>5</sub>-A-COOH dyes (Rikkyo Univ., Shizuoka Univ.) Y. Hiroguchi · S. Inoue · K. Kobayashi · M. Mitsui
- 1P015** Dual Triplet States of an Oxime Ester Compound and Its Photodissociation Mechanism (Tokyo Inst. Tech., Univ. College London) H. Takahashi · C. Kay · A. Kawai
- 1P016** Charged exciton dynamics in CdSe nanocrystals - photochemical electronic doping and femtosecond laser spectroscopy - (Kwansei Gakuin Univ.) N. Kakimoto · T. Okuhata · Y. Usui · T. Katayama · N. Tamai
- 1P017** Control of the photo-induced electron transfer in the precisely designed hetero stacked structure composed of various metal oxide nanosheets (Tokyo Inst. Tech., Shinshu Univ.) T. Ano · F. Kishimoto · D. Mochizuki · T. Terauchi · M. Maitani · E. Suzuki · Y. Wada
- 1P018** Time resolved EPR study on photoinduced primary charge-separated state of the PSII reaction center from spinach (Kobe Univ., Nagoya Univ.) M. Hasegawa · T. Sakai · H. Nagashima · T. Tachikawa · H. Mino · Y. Kobori
- 1P019** The substitution effect on photo-isomerization of ionic liquids containing 2-phenylazoimidazolium (Tokyo Inst. Tech.) T. Yoshida · A. Kawai
- 1P020** Electron Transfer Dynamics of CdSe-Pt Hybrid Nanostructures (Kwansei Gakuin Univ.) K. Maeda · Y. Usui · T. Okuhata · T. Katayama · N. Tamai
- 1P021** Medium effect on photo-induced spin-selective electron transfer of Pt complex-donor-acceptor linked molecule (Niigata Univ., Osaka City Univ.) K. Miyaji · T. Miura · K. Okada · T. Ikoma

- 1P022** Photo-Control of Diarylethene in the presence of cyclodextrin by using Multi-Laser Pulse Irradiation (Fukui Univ. of Technology) T. Takeshita • Y. Kasaba • A. Yano • M. Hara
- 1P023** Thermodynamic phase transition through crystal-to-crystal process of photochromic chiral salicylidenephenylethylamines (Waseda Univ.) A. Takanabe • M. Shiro • H. Ikeda • T. Katsufuji • H. Koshima • T. Asahi
- 1P024** Fluorescence microscopic study of laser trapping cluster assembling of hen egg white lysozyme (Saitama Univ., Taiwan National Chiao Tung Univ., Taiwan National Applied Research Lab.) S. Nishimura • H. Yoshikawa • S. Nakabayashi • K. Yuyama • T. Sugiyama • H. Masuhara
- 1P025**  $\pi$ -Extended Ancillary Ligand Effects on Photophysical Properties of 2,2'-Bipyridyl Ruthenium(II) Derivatives Having Arylborane Units (Hokkaido Univ., Nagasaki Univ., Osaka City Univ.) A. Nakagawa • E. Sakuda • A. Ito • N. Kitamura
- 1P026** Fine Tuning Aromatic Stacking in Multistep Formation of Carbazole-Bridged Zinc(II) Complexes Based on Metal Ion Clip (Nara Inst. Sci. Tech.) Y. Imai • J. Yuasa • T. Kawai
- 1P027** Photophysical properties of lanthanide coordination polymers dependent on metal complex ligands (Hokkaido Univ.) M. Yamamoto • T. Nakanishi • Y. Kitagawa • T. Seki • H. Ito • K. Fushimi • Y. Hasegawa
- 1P028** Visible light sensitization of luminescent europium(III) complex with helicene ligands (Hokkaido Univ.) R. Ohno • Y. Kitagawa • T. Nakanishi • K. Fushimi • Y. Hasegawa
- 1P029** Interfacial charge-transfer transitions induced by Ti-S-C bonds (Gunma Univ.) R. Muroga • J. Fujisawa • M. Hanaya
- 1P030** Molecular orientation-dependent photochemical behavior of porphyrin derivative coordinated gold clusters (Kyoto Univ., Tokushima Univ.) D. Eguchi • M. Sakamoto • A. Furube • T. Teranishi
- 1P031** Preparation of Rh-doped Titanate/Porphyrin Hybrids and its Photocatalytic Properties (Shimane Univ., Shinshu Univ.) W. Soontornchaiyakul • T. Fujimura • R. Sasai • H. Usami
- 1P032** Synthesis of Hydrophilic Carbon Nanoparticles from Aqueous Benzene by Laser-induced Plasma (Osaka City Univ.) T. Okamoto • T. Hamaguchi • T. Yatsunami
- 1P033** Emission Properties of Polymers Containing 4-[di(4-tolyl)amino]phenylcarbonyl Moiety (Muroan Inst. Tech., Hokkaido Univ.) K. Ogura • H. Yoshimitsu • Z. Hoshi • T. Nakano • H. Nakano
- 1P034** Photocatalytic Properties of  $ALi_{1/3}Ti_{2/3}O_2$  (A=Ag and Cu) Doped with Transition Metal Ions under Visible Light Irradiation (Tokyo Univ. of Science) K. Watanabe • N. Asako • K. Iwashina • A. Iwase • A. Kudo
- 1P035** Mechanofluorochromic Behaviors of 1-Alkanoylaminopyrenes Adsorbed onto a Cellulose Paper (Muroan Inst. Tech.) E. Nagata • H. Nakano
- 1P036** Nanoscale characterization of photochemical upconversion by single-particlespectroscopy (Tokyo Tech.) K. Narushima • S. Hirata • M. Vacha
- 1P037** Quantum resonance in periodically-ordered superlattice of CdTe quantum dots (Osaka City Univ., Kyoto Univ., JST-Sakigake) T. Watanabe • S. Tomita • K. Ohshiro • I. Chang • H. Kim • D. Kim
- 1P038** Fabrication of thin film plasmonic solar cell using controlled nano structure (Hokkaido Univ.) K. Nakamura • T. Katase • T. Oshikiri • K. Ueno • H. Ohta • H. Misawa
- 1P039** Role of supramolecular azobenzene in shrinkage/expansion of nanolayered material (Tokyo Metropolitan Univ.) S. Hassan • V. Ramakrishnan • H. Horiguchi • D. Yamamoto • Y. Nabetani • H. Tachibana • H. Inoue
- 1P040** Non-classical control of circularly polarized luminescence (CPL) in chiral binaphthyl organic fluorophore (Kinki Univ., Osaka Municipal Technical Research Institute, NIMS, Nara Inst. Sci. Tech.) Y. Kitayama • A. Ota • K. Nakabayashi • M. Shizuma • N. Tajima • M. Fujiki • Y. Imai
- 1P041** Non-classical control of circularly polarized luminescence (CPL) property of chiral binaphthyl-pyrene organic fluorophore (Kinki Univ., Nara Inst. Sci. Tech.) K. Nakabayashi • S. Kitamura • N. Suzuki • M. Fujiki • Y. Imai
- 1P042** Bio-supramolecular Enantiodifferentiating Photocyclodimerization of 2,6-Anthracenedicarboxylate Mediated by Human Serum Albumin (Osaka Univ.) M. Nishijima • K. Tanaka • T. Mori • G. Fukuhara • Y. Inoue
- 1P043** Electrical characteristics of diarylethene needle-like crystals (Osaka Kyoiku Univ.) M. Miyata • T. Tujioka
- 1P044** Fluorescence Behavior of Efficient Two-Photon Excitation Probes Accumulated on Mitochondria (Yamaguchi Univ.) H. Moritomo • T. Shiraishi • A. Fujii • K. Satomi • Y. Suzuki • J. Kawamata
- 1P045** Photochemical Reaction System with Efficient Light Harvesting Function on Clay Nano-sheet Surface (The Univ. of Tokyo, Tokyo Metropolitan Univ.) T. Tsukamoto • T. Shimada • H. Nishihara • S. Takagi
- 1P046** Environment Responsive Fluorescence Quenching Behavior of Clay Nanosheet-Organic Dye Complexes (Tokyo Metropolitan Univ., Shimane Univ.) R. Homma • T. Fujimura • T. Shimada • S. Takagi

- 1P047** Effective Photoelectric Conversion of Au Nano-Hybrid Structures on TiO<sub>2</sub> Single Crystalline Electrode (Hokkaido Univ.) K. Yasuda · T. Toda · X. Li · H. Minamimoto · S. Yasuda · K. Murakoshi
- 1P048** Photochemical Behavior and Photo-functionality of Porphyrin Molecule in the Nano-space of Inorganic Layered Materials (Shimane Univ., Tokyo Metropolitan Univ.) T. Fujimura · T. Shimada · R. Sasai · S. Takagi
- 1P049** Thermal fading reaction behavior of diarylethene in the presence of oxygen (Osaka City Univ.) H. Maemichi · S. Kobatake
- 1P050** Synthesis and Photodeprotection of the Caged Resveratrol with Thiochromone-type Photolabile Protecting Group (Nara Inst. Sci. Tech.) S. Hikage · Y. Sasaki · Y. Nishiyama · K. Kakiuchi
- 1P051** Photochemical behaviors of anion recognition by urea-aromatic derivatives having double urea groups (Univ. of Tsukuba) H. Matsumoto · Y. Nishimura · T. Arai
- 1P052** Photochemical energy transfer reaction by J-aggregate of cyanine dye on the clay nanosheet (Tokyo Metropolitan Univ., Shimane Univ.) N. Sato · T. Fujimura · T. Shimada · S. Takagi
- 1P053** Photophysical Properties of Phenonium Ion-Containing Salts Possessing Extended  $\pi$ -Conjugation System (Osaka Pref. Univ.) Y. Kuramoto · Y. Matsui · E. Ohta · H. Ikeda
- 1P054** Exciplex Emission of Mixed Crystals Composed of Two Different Diaroylmethanoboron Difluorides (Osaka Pref. Univ.) S. Nishida · A. Sakai · M. Tanaka · Y. Matsui · E. Ohta · H. Ikeda
- 1P055** Multi-step syntheses of imines from aromatic alcohol and nitro compounds by a photocatalytic microreactor (Chuo Univ.) A. Nakamura · Y. Yoshida · S. Kuwahra · K. Katayama
- 1P056** Photoinduced Movement of Objects Using Supramolecular Structure of Diarylethene (Kyoto Univ., JST-PRESTO) A. Sakaguchi · K. Higashiguchi · K. Matsuda
- 1P057** Surface Confined Self-Assembly Composed of Diarylethenes at the Liquid/Solid Interface and Effect of Substitution Position of Thienyl Group (Kyoto Univ.) N. Maeda · S. Yokoyama · T. Hirose · K. Matsuda
- 1P058** Synthesis and Photophysical Properties of Pentacene-Alkanethiolate Monolayer Protected Gold Nanoparticles (Keio Univ.) D. Kato · H. Sakai · T. Hasobe
- 1P059** The Effect of Dimeric Distance and Orientation on the Photophysical Processes in Pentacene Dimers (Keio Univ., Tohoku Univ., Osaka Univ.) T. Sakuma · H. Sakai · Y. Araki · T. Mori · T. Wada · T. Hasobe
- 1P060** Photon Upconversion Dyes System using the Novel Phthalocyanine Derivative (National Inst. of Tech., Kitakyushu College, Orient Chemical Industries Co., Ltd.) T. Taniguchi · M. Kawahara · Y. Yamasaki · T. Nagamura · H. Yamane
- 1P061** Development and characterization of chromophores for efficient visible-to-UV photon upconversion (Kyushu Univ., CMS, JST-PRESTO) M. Kozue · N. Yanai · N. Kimizuka
- 1P062** Dynamic Control of Intramolecular  $\pi$ -Stacking with photochromic Tetra-arylene (Nara Inst. Sci. Tech.) Y. Hashimoto · T. Nakashima · T. Kawai
- 1P063** **Withdraw**
- 1P064** Reversible Near-Infrared/Blue Mechanofluorochromism of Aminobenzopyranoxanthene (Okayama Univ., RIKEN, Hiroshima Univ., Univ. of Tokyo, Hitachi High-Tech Science Co., Ltd.) M. Tanioka · S. Kamino · A. Muranaka · Y. Ooyama · H. Ota · Y. Shirasaki · J. Horigome · M. Ueda · M. Uchiyama · D. Sawada · S. Enomoto
- 1P065** Photochemical Oxygenation Reaction Sensitized by Novel Cationic Ru(II) Porphyrin / Clay Nano-sheet Complex (Tokyo Metropolitan Univ., The Univ. of Tokyo) D. Tatsumi · T. Tsukamoto · T. Shimada · S. Takagi
- 1P066** Photo-Reversible [2+2]-Cycloaddition of Thymine Derivatives in the Crystal (Waseda Univ., Monash Univ., Tokyo Inst. Tech.) A. Udagawa · P. Johnston · K. Saito · A. Sakon · R. Toyoshima · H. Uekusa · H. Koshima · T. Asahi
- 1P067** Development of NIR-Light-Induced Electron Transfer System (IMS) T. Enomoto · M. Kondo · S. Masaoka
- 1P068** Hydrogen generation from organic hydrides induced by the photoactivation of aromatic amines (Hokkaido Univ., Shinshu Univ.) A. Usui · Y. Okano · M. Yoshida · A. Kobayashi · T. Doi · H. Usami · M. Kato
- 1P069** Thermally activated delayed fluorescence and circularly polarized luminescence in chiral donor-acceptor molecules (Tokyo Univ. of Agriculture and Technology, Tokyo Inst. Tech.) T. Imagawa · S. Hirata · K. Totani · M. Vacha · T. Watanabe
- 1P070** Reactions of amino acid derivatives bearing aromatic group with 1,4-dicyanonaphthalene via photoinduced electron transfer (Univ. of Fukui) M. Yamawaki · Y. Yoshimi

- 1P071** Study on the color modulation mechanism of firefly bioluminescence with an amine substituent effect of luciferin and oxyluciferin (Univ. of Electro-Communications, Gunma Univ.) M. Kakiuchi • M. Yamaji • S. Maki • T. Hirano
- 1P072** Supramolecular asymmetric photochirogenesis mediated by synthetic antibody: Interaction studies of synthetic antibody with 2-anthracenecarboxylate in the ground- and excited-states (Tohoku Univ., Osaka Univ.) W. Yospanya • S. Sakamoto • Y. Araki • M. Nishijima • Y. Inoue • T. Wada
- 1P073** Photocontrol of birefringence in diarylethene crystals (Osaka City Univ.) H. Tsujioka • S. Kobatake
- 1P074** Fluorometric detection of cyanide anion by indolium–coumarin linkages (Osaka Univ.) M. Nakamura • Y. Shiraishi • T. Hirai
- 1P075** Photochromic Properties of a Phenoxy-Imidazolyl Radical Complexes Having Thiophene Backbone (Aoyama Gakuin Univ., CREST) T. Ikezawa • K. Mutoh • H. Yamashita • Y. Kobayashi • J. Abe
- 1P076** The effect of linkage groups on photoinduced phase transitions of azobenzene-triphenylene liquid crystalline derivatives (Ryukoku Univ., AIST) R. Minobe • K. Chikamori • D. Tanaka • H. Ishiguro • Y. Shimizu • K. Uchida
- 1P077** Synthesis and characterization of silica nanoparticles covered with polymers branching photochromic diarylethene moieties on side chain (Osaka City Univ.) K. Shimizu • R. Seno • S. Kobatake
- 1P078** Synthesis and Photoproperties of Edge-selectively Modification of Zeolite-templated Carbon with Bromine or Carbazole Groups (Okayama Univ., Tohoku Univ.) H. Goto • K. Kobayashi • T. Tajima • Y. Takaguchi • K. Nueangnoraj • T. Kyotani • H. Nishihara
- 1P079** Synthesis and Properties of triazine substituted deep blue luminescent iridium complexes (Josai Univ.) M. Muroga • M. Hashimoto
- 1P080** Synthesis and Photophysical Properties of Near-Infrared Absorbing Diketopyrrolopyrrole Oligomers (Nara Inst. Sci. Tech.) T. Asada • N. Aratani • H. Yamada
- 1P081** Molecular modeling of H<sub>2</sub>O clusters for photooxidation to hydrogen peroxide (Osaka Univ., Univ. of the Ryukyus, The Univ. of Tokyo) S. Yanagida • S. Yanagisawa • K. Yamasita • R. Jono • H. Sagawa
- 1P082** **Withdraw**
- 1P083** Improvement of Photocatalytic Water Oxidation by Crystallite Growth of Polycrystalline Titanium Dioxide (Yamaguchi Univ., Hokkaido Univ.) Y. Nishimoto • Y. Hasegawa • K. Adachi • A. Nitta • B. Ohtani • S. Yamazaki
- 1P084** Heterojunction PbS/TiO<sub>2</sub> Quantum Dot Solar Cell -Surface Ligand Dependence of Device Performance- (Kwansei Gakuin Univ.) N. Tsujii • S. Masuo
- 1P085** Up-conversion of near IR light by triplet-triplet annihilation (AIST, Kwansei Gakuin Univ., Nara Inst. Sci. Tech.) Y. Sakagami • D. Kuzuhara • H. Yamada • K. Kamada
- 1P086** Emission enhancement of stilbazolium derivatives on a clay surface (Tokyo Metropolitan Univ., Shimane Univ.) D. Tokieda • N. Sato • T. Fujimura • T. Shimada • S. Takagi
- 1P087** Observation of thin film formation process of MEH-PPV polymer by a spin coating method (Yamagata Univ., Tokyo Metropolitan Univ.) Y. Suzuri • H. Inoue
- 1P088** High Magnetic field effects on singlet fission of Diphenylhexatriene (Saitama Univ., Nihon Univ., AIST, Shizuoka Inst. Sci. Tech., Niigata Univ.) M. Kaise • T. Yago • R. Katoh • Y. Sonoda • Y. Wakikawa • T. Ikoma • M. Wakasa
- 1P089** Kinetic Analysis of Singlet Fission in Crystalline of Diphenylhexatriene Derivatives (Shizuoka Inst. Sci. Tech., Nihon Univ., AIST, Niigata Univ.) Y. Wakikawa • T. Takahashi • Y. Izumi • Y. Sonoda • R. Katoh • T. Ikoma
- 1P090** Absolute asymmetric pyrrolinone synthesis via photoisomerization followed by dynamic crystallization (Chiba Univ.) K. Shiratsuki • T. Mino • M. Sakamoto
- 1P091** Photochemical Synthesis and the Application of C<sub>2</sub> Symmetry Macrocyclic Polyethers (Chiba Univ.) R. Taira • S. Katabira • W. Yoshida • T. Mino • M. Sakamoto
- 1P092** Photochromism of phenoxynaphthacenequinone dimers and trimer (Oita Univ.) A. Takagaki • N. Takuwa • Y. Abe • H. Shin • S. Kai • M. Moriyama
- 1P093** Photochromism and functionalities of bis(aryloxy)naphthacenequinones (Oita Univ.) M. Moriyama • N. Kawano • T. Ueshima • S. Kai • R. Itai • H. Kai • H. Nagato
- 1P094** The role of physisorbed water in the photocatalytic hydrogenation of acetophenone on titanium dioxide (Hyogo Univ. of Health Sciences) S. Kohtani • M. Matsuse • E. Yoshioka • H. Miyabe

- 1P095** Syntheses and properties of step- $\pi$ -conjugated polymers and their application for photoenergy conversion systems (81) Synthesis of macromolecular wire with a donor-acceptor at terminal (Kansai Univ.) D. Ohshima • H. Aota
- 1P096** Syntheses of step- $\pi$ -conjugated polymers and their application for photoenergy conversion systems (82) Synthesis of A,B-block type polymer having different polarities and estimation of electrostatically concentrated MV<sub>2</sub> (Kansai Univ.) R. Nakabayashi • H. Aota
- 1P097** Syntheses of step- $\pi$ -conjugated polymers and their application for photoenergy conversion systems(83) Synthesis and evaluation of A,B-block type amphiphilic polymers (Kansai Univ.) K. Watanabe • H. Aota
- 1P098** Synthesis of step- $\pi$ -conjugated polymer and their application for photoenergy conversion systems (84) Possibility of electron transfer between polymers through  $\pi$ -electron cloud (Kansai Univ.) S. Nakano • K. Watanabe • H. Aota
- 1P099** Syntheses of step- $\pi$ -conjugated polymers and their application for photoenergy conversion systems (85) Photoinduced energy transfer in A,B-block type polymer having different energy levels (Kansai Univ.) Y. Ishikawa • K. Kaku • H. Aota
- 1P100** Syntheses of step- $\pi$ -conjugated polymers and their application for photoenergy conversion systems (86) Synthesis of A,B-block type macromolecular wire having different energy levels and photoinduced electron transfer (Kansai Univ.) K. Kaku • H. Aota
- 1P101** Syntheses of step- $\pi$ -conjugated polymers and their application for photoenergy conversion systems(87)Synthesis of A,B-block type amphiphilic polymers with one way direction electron transfer (Kansai Univ.) T. Kobayashi • H. Aota
- 1P102** Synthesis and Photophysical Properties of Europium(III) Coordination Polymers with Quadridentate Carbazole Units (Hokkaido Univ.) S. Natori • Y. Kitagawa • T. Nakanishi • K. Fushimi • Y. Hasegawa