

Poster Presentation: September 5 (Wed) 18:10-19:50

Odd number (18:10 - 19:00) Even number (19:00 – 19:50)

- 1P001 Trans→cis isomerization dynamics of N,N'-dimethylindigo (Ritsumeikan Univ.) ○TANI, Shuntaro • NAKAGAWA, Hirofumi • NAGASAWA, Yutaka
- 1P002 Spectral shaping of UV sub-10fs pulse laser for wavepacket control (Kanagawa Univ.) ○MURAKAMI, Takahiko • HASHIMOTO, Sena • YABUSHITA, Atsushi • IWAKURA, Izumi
- 1P003 Time-Resolved EPR study on photoinduced charge-separated states generated in P3HT:PC70BM blend film (¹Kobe Univ. • ²Kyoto Univ.) ○OYAMA, Shinya¹ • NAGASHIMA, Hiroki¹ • HAMADA, Morihiko¹ • IGARASHI, Kensho² • UMEYAMA, Tomokazu² • TACHIKAWA, Takashi¹ • IMAHORI, Hiroshi² • KOBORI, Yasuhiro¹
- 1P004 Phase transition of β-type perylene crystals probed by fluorescence spectroscopy (¹Nihon Univ. • ²AIST) ○SATO, Kenta¹ • MIYADERA, Tetsuhiko² • YOSHIDA, Yuji² • KATOH, Ryuzi¹
- 1P005 Formation process of benzoperylene excimer studied by RIPT method (¹Nihon Univ. • ²Osaka Univ. • ³UNISOKU) ○SHIBASAKI, Yuuya¹ • SUENOBU, Tomoyoshi² • NAKAGAWA, Tatsuo³ • KATOH, Ryuzi¹
- 1P006 Lanthanide Assemblies of Nanosized Bringing β-Diketonate Ligands Through Ethyne Spacer (Tokyo Univ. of Sci.) ○TSUYUKI, Takumi • YUASA, Junpei
- 1P007 Synthesis of Single-Nano-Sized Iron Nanoparticles from Liquid/Liquid Dispersion System by Femtosecond Laser Irradiation (Osaka City Univ.) ○HORIKAWA, Yuki • OKAMOTO, Takuya • SAKOTA, Kenji • YATSUHASHI, Tomoyuki
- 1P008 Observation of time-dependent emission behaviors of a single perovskite nanocrystal during halide-exchange reaction (Kwansei Gakuin Univ.) ○YOSHIMURA, Hiroyuki • YAMAUCHI, Mitsuaki • MASUO, Sadahiro
- 1P009 Mechanistic insights into photochemical reactions on organic lead halide perovskites from single-particle spectroscopy (Kobe Univ.) ○KIMURA, Yuki • KARIMATA, Izuru • KOBORI, Yasuhiro • TACHIKAWA, Takashi
- 1P010 Control of emission behavior of a single quantum dot using photoisomerization of diarylethene (Kwansei Gakuin Univ.) ○YANO, Nanoka • YAMAUCHI, Mitsuaki • MASUO, Sadahiro
- 1P011 Single-particle emission observation of ruthenium complex supported on mesoporous silica: Relation between intra-pore diffusion and photocatalytic activity (¹Kobe Univ. • ²Seikei Univ.) ○WATASE, Tatsuya¹ • SOHMIYA, Minoru² • KOBORI, Yasuhiro¹ • TACHIKAWA, Takashi¹
- 1P012 Investigation of optical properties for strong coupling between molecular excitons and lattice plasmon (Hokkaido Univ.) ○HAYASHI, Takahiro • OIKAWA, Shunpei • MINAMIMOTO, Hiro • MURAKOSHI, Kei
- 1P013 Selective molecular trapping of organic molecule by the radiation force under electrochemical potential control (Hokkaido Univ.) ○OYAMADA, Nobuaki • MINAMIMOTO, Hiro • LI, Xiaowei • MURAKOSHI, Kei

- 1P014 Switching of radiation pressure by T-type photochromic reactions: relation between thermal back-reaction rate and micro-motion dynamics (Osaka Univ.) ○TANAKA, Keishi · SETOURA, Kenji · ITO, Syoji · MIYASAKA, Hiroshi
- 1P015 Photo-emission Tuning and the Influence of Heavy Atom Effects Using Lewis-Pair Inclusion Crystals (Kyushu Univ.) ○YAMANAKA, Yuri · ONO, Toshikazu · HISAEDA, Yoshio
- 1P016 Photochemical behavior of spiropyran derivative on clay nanosheets (Tokyo Metropolitan Univ.) ○NAKAYAMA, Ayumi · HIMADA, Tetsuya · ISHIDA, Tamao · TAKAGI, Shinsuke
- 1P017 Relaxation process of thioguanosine derivatives and formation quantum yield of singlet molecular oxygen (Aoyama Gakuin Univ.) ○TANABE, Shunsuke · MIYATA, Shoma · SUZUKI, Tadashi
- 1P018 Synthesis and photophysical properties of Eu(III) complexes containing carborane (¹Hokkaido Univ. · ²Tokyo Univ. of Sci.) ○SAITOU, Koki¹ · KITAGAWA, Yuichi¹ · NAKANISHI, Takayuki² · FUSHIMI, Koji¹ · HASEGAWA, Yasuchika¹
- 1P019 Bright luminescence of Eu (III) complex having chrysene frameworks (¹Hokkaido Univ. · ²Fac. Ind. Sci. Tech., Tokyo Univ. of Sci.) ○KUMAGAI, Marina¹ · KITAGAWA, Yuichi¹ · NAKANISHI, Takayuki² · FUSHIMI, Koji¹ · HASEGAWA, Yasuchika¹
- 1P020 Photochemical multi-electron accumulation and photocatalytic reaction using a hybrid consisting of a ring-shaped Re(I) tetranuclear complex and polyoxometalate (¹Tokyo Inst. Tech. · ²Seikei Univ.) ○TAKAHASHI, Maria¹ · YAMAZAKI, Yasuomi² · ISHITANI, Osamu¹
- 1P021 Construction of Shell-controlled Ruthenium(II) Terpyridyl Complexes Exhibiting Photoluminescence Properties (Osaka Univ.) ○ASANO, Kyohei · HARA, Kanae · HATANAKA, Tsubasa · FUNAHASHI, Yasuhiro
- 1P022 Synthesis of Ag-Li-In-Se Multinary Semiconductor Nanoparticles and Their Composition-Dependent Photochemical Properties (¹Nagoya Univ. · ²Osaka Univ.) ○MORI, Yuki¹ · KAMEYAMA, Tatsuya¹ · KUWABATA, Susumu² · TORIMOTO, Tsukasa¹
- 1P023 Guest molecule dependence of the room temperature phosphorescent triplet charge-transfer state of the organic inclusion crystals (¹Kobe Univ. · ²Kyusyu Univ. · ³JST-PRESTO) ○EMA, Fumitoshi¹ · ONO, Toshikazu^{2,3} · HISAEDA, Yoshio² · NAGASHIMA, Hiroki¹ · TACHIKAWA, Takashi^{1,3} · KOBORI, Yasuhiro¹
- 1P024 Electrofluorochromism based on control of inter-molecular excited energy transfer induced by redox reaction of luminescent leuco dye (Chiba Univ.) ○YANAGAWA, Namiko · NAKAMURA, Kazuki · KOBAYASHI, Norihisa
- 1P025 S₁-S₁ annihilation dynamics of diarylethene nanoparticles and its contribution to the two-photon cycloreversion reaction (¹Osaka Univ. · ²Université Paris-Saclay) ○KURATA, Tomoya¹ · SOTOME, Hikaru¹ · SU, Jia² · PIARD, Jonathan² · MÉTIVIER, Rémi² · NAKATANI, Keitaro² · MIYASAKA, Hiroshi¹
- 1P026 H₂ evolution under visible light irradiation over metal sulfide photocatalysts with cocatalyst loaded by various procedures (Tokyo Univ. of Sci.) ○UCHIDA, Jun · IWASE, Akihide · KUDO, Akihiko
- 1P027 Construction of Z-scheme system for water splitting under visible light irradiation using Ruthenium and Antimony-codoped SrTiO₃ with visible light response up to 760 nm as an O₂-evolving photocatalyst and various metal cation-doped SrTiO₃ as H₂-evolving photocatalysts (Tokyo Univ. of Sci.) ○TSUCHIYA, Taichi · IWASE, Akihide · KUDO, Akihiko

- 1P028 Photocatalytic H₂ production by transparent TiO₂ nanoparticle (Tokyo Metropolitan Univ.) ○SANO, Keito • KUTTASSERY, Fazalurahaman • REMELLO, Sebastian Nybin • SHIMADA, Tetsuya • TAKAGI, Shinsuke • TACHIBANA, Hiroshi • INOUE, Haruo
- 1P029 Simultaneous emission and detection of X-ray and THz wave from thin water flow irradiated by focused femtosecond laser pulses in air (¹Academia Sinica, Taiwan • ²Setsunan Univ. • ³Swinburne Univ. of Tech. • ⁴Chang Gung Univ. • ⁵National Dong Hwa Univ.) HUANG, Hsin-hui¹ • NAGASHIMA, Takeshi² • JUODKAZIS, Saulius³ • OHATANAKA, Koji^{1,4,5}
- 1P030 Molecular orbital analysis in terbium(III) complexes using magnetic circular dichroism (¹Hokkaido Univ. • ²Tokyo Univ. of Sci.) ○KITAGAWA, Yuichi¹ • NAKANISHI Takayuki² • FUSHIMI, Koji¹ • HASEGAWA, Yasuchika¹
- 1P031 Faraday effect of ionic liquids based on hexanitratolanthanide(III) complex ions (Muroran Inst. Tech.) ○ASAKAWA, Seiya • IIMORI, Toshifumi
- 1P032 Deoxygenation of ketones using Pd supported on reduced molybdenum oxide with surface plasmon resonance (¹Osaka Univ. • ²Kyoto Univ.) ○OKADA, Masahiro¹ • KUWAHARA, Yasutaka^{1,2} • YAMASHITA, Hiromi^{1,2}
- 1P033 Photocatalytic CO₂ reduction using an iridium complex with PNNP-type tetradentate ligand (¹Nagoya Univ. • ²Toyota Central R&D Labs., Inc. • ³Meijo Univ. • ⁴JST) ○JUNG, Jieun¹ • KAMADA, Kenji¹ • MURAKI, Manami¹ • SEKIZAWA, Keita² • SATO, Shunsuke² • MORIKAWA, Takeshi² • FUKUZUMI, Shunichi^{3,4} • SAITO, Susumu¹
- 1P034 Water oxidation to hydrogen peroxide on bismuth oxyhalide photoelectrode under visible light (Kyoto Univ.) ○ENDO, Noriaki • TOMITA, Osamu • NAKADA, Akinobu • HIGASHI, Masanobu • ABE, Ryu
- 1P035 Development of efficient oxyhalide Bi₄NbO₈Cl photoanodes for water splitting under visible light irradiation (Kyoto Univ.) ○KIMURA, Takuma • HIGASHI, Masanobu • NAKADA, Akinobu • TOMITA, Osamu • ABE, Ryu
- 1P036 Photoreduction of carbon dioxide using iridium(III) complexes having arylborane compounds (The Univ. Nagasaki) ○HOMMURA, Yuki • YOSHIDA, Mitsuhiro • SAKUDA, Eri • HORIUCHI, Shinnosuke • ARIKAWA, Yasuhiro • UMAKOSHI, Keisuke
- 1P037 Preparation and photocurrent measurement of TiO₂ nanofilm deposited by Langmuir-Blodgett process (Shinshu Univ.) ○MORI, Masashi • SUGA, Ryosuke • USAMI, Hisanao
- 1P038 Dye-sensitized hydrogen production reaction using dye / Rh-doped titania nanosheet complex (Tokyo Metropolitan Univ.) ○OHNISHI, Ryota • SANO, Keito • SHIMADA, Tetsuya • ISHIDA, Tamao • TAKAGI, Shinsuke
- 1P039 Photocatalytic CO₂ reduction induced by Fe and phenanthroline mixed catalyst (¹Tokyo Tech. • ²KEK • ³AIST) ○TAKEDA, Hiroyuki¹ • IRIMAJIRI, Mina¹ • MIZUTANI, Toshihide¹ • NOZAWA, Shunsuke² • ADACHI, Shin-ichi² • KOIKE, Kazuhide³ • ISHITANI, Osamu¹
- 1P040 H₂ production with visible light irradiation by a trace Ru-doped g-C₃N₄ (¹Osaka Univ. • ²JST-PRESTO • ³Kyoto Univ.) ○NAKA, Kohei¹ • MORI, Kohsuke^{1,2,3} • OSAKA, Ryo¹ • YAMASHITA, Hiromi^{1,3}
- 1P041 Morphology-dependent luminescence properties of soluble gold(I)-thiolate coordination polymers (¹Hokkaido Univ. • ²RIKEN) ○MURAKAMI, Midori¹ • MATSUMINE, Riku¹ • ONO, Takeya¹ • SHICHIBU, Yukatsu¹ • HORIMOTO Noriko² • ISHIDA, Yasuhiro² • KONISHI, Katsuaki¹

- 1P042 Deoxygenation of sulfoxides over reduced MoO₃ catalyst and its light enhancement effect (¹Osaka Univ. • ²Kyoto Univ.) ○HAEMATSU, Kohei¹ • YOSHIMURA, Yukihiro¹ • KUWAHARA, Yasutaka^{1,2} • YAMASHITA, Hiromi^{1,2}
- 1P043 Ir(III)-Ru(II) Supramolecular Photocatalyst for CO₂ reduction (¹Tokyo Tech. • ²Seikei Univ.) ○ NAKAMURA, Satoshi¹ • YAMAZAKI, Yasuomi² • ISHITANI, Osamu¹
- 1P044 Durable molecular photocathode for CO₂ reduction with polymerized Ru(II)-Ru'(II) supramolecular photocatalysts (¹Tokyo Tech. • ²Seikei Univ. • ³Kyoto Univ.) ○KAMATA, Ryutarō¹ • KUMAGAI, Hiromu² • YAMAZAKI, Yasuomi² • HIGASHI, Masanobu³ • ABE, Ryu³ • ISHITANI, Osamu¹
- 1P045 Spectral changing of a water-soluble helicate Eu complex according to the interaction of various metal ions in aqueous solution (Aoyama Gakuin Univ.) ○SASO, Akira • OGATA, Shuhei • ISHII, Ayumi • HASEGAWA, Miki
- 1P046 Unique optical properties of non-spherical gold clusters induced by aggregation (Hokkaido Univ.) ○ HAKOISHI, Yusaku • SUGIUCHI, Mizuho • SHICHIBU, Yukatsu • KONISHI, Katsuaki
- 1P047 Characterization of phosphorus-doped titanium(IV) oxide calcined at 400-900°C (¹Fukuoka Univ. • ²Saga Univ.) ○YAMADA, Keiji^{1,2} • KONDO, Yuki¹ • WAKITA, Hisanobu^{1,2} • YAMAGUCHI, Toshio¹ • KURISAKI, Tsutomu¹
- 1P048 Photophysical properties of nona-coordinated lanthanide complexes having unsymmetric tridentate co-ligands (Tokyo Univ. of Sci.) ○OKAYASU, Yoshinori • YUASA, Junpei
- 1P049 Synthesis and photophysical properties of platinum(II) complexes having acetylacetonato ligands functionalized with main group elements (The Univ. Nagasaki) ○OKUMURA, Chinatsu • SAKUDA, Eri • HORIUCHI, Shinnosuke • ARIKAWA, Yasuhiro • UMAKOSHI, Keisuke
- 1P050 Synthesis of iridium complexes with ligands of coumarin derivatives and their application to photosensitized singlet oxygen generation in aqueous solution (The Univ. Tokyo) ○MIYAGISHI, Yuna • IKUTA, Naoya • TAKIZAWA, Shin-ya • MURATA, Shigeru
- 1P051 Synthesis and photochemical behavior of an iridium complex with ligands of 2-phenylimidazo[1,2-*a*]pyridine and terpyridine (The Univ. Tokyo) ○KATO, Sora • IKUTA, Naoya • TAKIZAWA, Shin-ya • MURATA, Shigeru
- 1P052 Synthesis and photochemical behavior of an iridium complex with the ligand of 2,2'-bipyridine having a pyrene moiety (The Univ. Tokyo) ○ENOMOTO, Takamasa • SEBATA, Shinogu • IKUTA, Naoya • TAKIZAWA, Shin-ya • MURATA, Shigeru
- 1P053 Synthesis and photochemical behavior of tris-cyclometallated iridium complexes with a pyridyl group (The Univ. Tokyo) ○TOMINAGA, Masahiro • KOYAMA, Kei • IKUTA, Naoya • TAKIZAWA, Shin-ya • MURATA, Shigeru
- 1P054 (欠番)
- 1P055 Synthesis and photoluminescence of europium fluoride nanoparticles with Eu(II) and Eu(III) (¹Hyogo Univ. Health Sci. • ²Hokkaido Univ.) ○KAWASHIMA, Akira¹ • KANDA, Shota¹ • KAWASAKI, Shingo¹ • KITAGAWA, Yuichi² • MIYABE, Hideto¹ • HASEGAWA, Yasuchika² • KOHTANI, Shigeru¹
- 1P056 Synthesis of visible-light-responsive photocatalysts Bi₆MWO₁₄X (M=Nb,Ta; X=Cl,Br) and their application to water splitting (Kyoto Univ.) ○TAKASHIMA, Takanori • HIGASHI, Masanobu • NAKADA, Akinobu • TOMITA, Osamu • ABE, Ryu

- 1P057 Luminescent Eu(II) nanoparticles prepared from Eu metal (¹Hokkaido Univ. • ²Tokyo Univ. of Sci.) ○ KOIDE, Katsumasa¹ • NAKANISHI, Takayuki² • KITAGAWA, Yuichi¹ • FUSHIMI, Koji¹ • HASEGAWA Yasuchika¹
- 1P058 Photochromism of tungsten oxide colloidal solution containing Cu (II) ion (Yamaguchi Univ.) ○ ISOYAMA, Kouki • YAMAZAKI, Suzuko
- 1P059 Synthesis and photophysical properties of novel dipyrromethene iridium(III) complex having arylborane compound (The Univ. Nagasaki) ○ TAKAKI, Koyo • SAKUDA, Eri • HORIUCHI, Shinnosuke • ARIKAWA, Yasuhiro • UMAKOSHI, Keisuke
- 1P060 Effect of introduction of cationic pyridinium groups to chlorophyll derivatives on photophysical properties (Ritsumeikan Univ.) ○ TAKAHASHI, Tatsuya • OGASAWARA, Shin • TAMIAMI, Hitoshi
- 1P061 Circularly polarized luminescence in coordination-driven chiral pyrene dimer assemblies (Tokyo Univ. of Sci.) ○ IMAI, Yuki • YUASA, Junpei
- 1P062 Acid induced fluorescence color change of pyrrolopyrrole derivatives in the solid state and their vapochromism properties (²Kyushu Univ.) ○ YANO, Yoshio • ONO, Toshikazu • HISAEDA, Yoshio
- 1P063 Unexpected photoconversion of [4]radialenes to pentacycles exhibiting strong solid-state emission (Tokushima Univ.) YAGISHITA, Fumitoshi • ○ HOSHI, Keita • HASHIZUME, Hirokazu • AZUMA, Kikuko • TEZUKA, Yoshihiko • KAWAMURA, Yasuhiko
- 1P064 Emission property of persistent room temperature phosphorescence from crystals of thianthrene derivatives (Chiba Univ.) ○ YAMADA, Masaru • TANIGUCHI, Tatsuo • KARATSU, Takashi
- 1P065 Self-aggregation of synthetic bacteriochlorophyll-*d* analogs as the models of chlorosomal cores (Ritsumeikan Univ.) ○ KANEHISA, Seiji • TAMIAMI, Hitoshi
- 1P066 Mechanism of the room temperature phosphorescence-to-phosphorescence mechanochromism of a thienyl diketone derivative (Osaka Univ.) ○ TERASAKI, Morihisa • KOMURA, Mao • TANI, Yosuke • OGAWA, Takuji
- 1P067 Catalytic reaction of hydrogen peroxide generation by two-electron oxidation of water using Sn porphyrin (Tokyo Metropolitan Univ.) ○ OHSAKI, Yutaka • ARUN, Thomas • FAZALURAHAMAN, Kuttassery • SIBY, Mathew • SHIMADA, Tetsuya • TAKAGI, Shinsuke • TACHIBANA, Hiroshi • INOUE, Haruo
- 1P068 Asymmetric photochemical reaction involving dynamic crystallization (¹Chiba Univ. • ²Chiba Inst. Tech.) ○ UEMURA, Naohiro¹ • YOSHIDA, Yasushi¹ • MINO Takashi¹ • KASASHIMA Yoshio² • SAKAMOTO Masami¹
- 1P069 Photon upconversion of diphenylanthracene dyad linked with a nonconjugated spacer (Osaka Pref. Univ.) ○ KANO, Masaya • MATSUI, Yasunori • OHTA, Eisuke • IKEDA, Hiroshi
- 1P070 Synthesis and fabrication of OLED using thermally activated delayed fluorescence materials possessing arylsulfonyl groups (Osaka Pref. Univ.) ○ YOKOYAMA, Yudai • ISHIHARAGUCHI, Kenta • MATSUI, Yasunori • OHTA, Eisuke • NAITO, Hiroyoshi • IKEDA, Hiroshi
- 1P071 Development of pyrene-based two-photon fluorescent probes for monitoring mitochondrial membrane potential (¹Kochi Univ. • ²Yamaguchi Univ.) ○ SEKI, Hitomi¹ • ONISHI, Shozo² • ASAMURA, Naoya² • SUZUKI, Yasutaka² • KAWAMATA, Jun² • KANENO, Daisuke¹ • HADANO, Shingo¹ • WATANABE, Shigeru¹ • NIKO, Yosuke¹

- 1P072 Synthesis and Optoelectronic Properties of Fully Conjugated All Head-to-Tail Macrocyclic Poly(3-hexylthiophene) (¹Hokkaido Univ. • ²Osaka Univ. • ³AIST) ○NAKAMURA, Minato¹ • HOSOKAWA, Masaaki¹ • YAMAMOTO, Takuya¹ • SAEKI, Akinori² • KIKKAWA, Yoshihiro³
- 1P073 Precise synthesis and optical properties of helical nanographene molecules with large π -conjugated system (Kyoto Univ.) ○NAKAKUKI, Yusuke • HIROSE, Takashi • MATSUDA, Kenji
- 1P074 Self-assembled structure and its fluorescent property of dipeptide with pyrene side chain (Yokohama National Univ.) ○SHIRAKATA, Hiroki • NAKAGAWA, Tetsuya • YOKOYAMA, Yasushi • KAWAMURA, Izuru
- 1P075 Enantioselective photocyclodimerization of 2-anthracenecarboxylic acid mediated by γ -cyclodextrin by multiphoton irradiation with a focused laser beam (¹National Chiao Tung Univ. • ²Sichuan Univ. • ³Osaka Univ. • ⁴Nara Inst. Sci. Tech.) ○SHIH, Tsung-Wei¹ • WEI, Xueqin² • YANG, Cheng² • INOUE, Yoshihisa³ • SUGIYAMA, Teruki^{1,4}
- 1P076 Study of dye-sensitized solar cell applied by co-adsorption of triplet-triplet annihilation upconversion dye as sensitizing dye on TiO₂ photoelectrode (Tokyo Univ. of Sci.) ○MORIFUJI, Tatsuro • TAKEKUMA, Yuya • NAGATA, Morio
- 1P077 Near infrared-to-visible aqueous photon upconversion based on hydrophobic ion pairing (Kyushu Univ.) ○KOUNO, Hironori • SASAKI, Yoichi • YANAI, Nobuhiro • KIMIZUKA, Nobuo
- 1P078 Dispersion and photo-precipitation of single-walled carbon nanotubes by using heterocoerdianthrone derivative in polar solvents (Chiba Univ.) ○OTAKI, Keishu • HOSHINO, Tomohiko • TAKAHARA, Shigeru
- 1P079 Photosalient Phenomena in a Single Crystal of an Asymmetric Diarylethene (¹Ryukoku Univ. • ²Rikkyo Univ. • ³TUPLS • ⁴RIKEN) ○NAKAGAWA, Yuma¹ • NISHIMURA, Ryo¹ • MORIMOTO, Masakazu² • YOKOJIMA, Satoshi³ • NAKAMURA, Shinichiro⁴ • UCHIDA, Kingo¹
- 1P080 Photosalient effect at the hollow crystal of a diarylethene having trimethylsilyl groups (¹Ryukoku Univ. • ²Rikkyo Univ. • ³Tokyo Inst. Tech. • ⁴JASRI • ⁵TUPLS • ⁶RIKEN) ○NAGAI, Akira¹ • HATANO, Eri¹ • MORIMOTO, Masakazu² • SEKINE, Akiko³ • YASUDA, Nobuhiro⁴ • YOKOJIMA, Satoshi⁵ • NAKAMURA, Shinichiro⁶ • UCHIDA, Kingo¹
- 1P081 Adsorption and emission enhancement behavior of nonionic molecules on dispersed clay nano-sheets under aqueous conditions (Tokyo Metropolitan Univ.) ○NAKAZATO, Ryosuke • SHIMADA, Tetsuya • ISHIDA, Tamao • TAKAGI, Shinsuke
- 1P082 Photomechanical behaviors of the films of azobenzene-based photochromic amorphous molecular materials placed on soft surfaces (Muroran Inst. Tech.) ○KITANO, Ayame • ICHIKAWA, Ryota • NAKANO, Hideyuki
- 1P083 Photoinduced change in emission color of 1,4-bis(2-cyano-2-{4-[5-(4-methylphenoxy)pentyl]oxy}phenyl)ethenyl)-2,5-dimethoxybenzene in the solid state (¹Muroran Inst. Tech. • ²Hokkaido Univ. • ³Nara Inst. Sci. Tech.) ○KANEKO, Ryohei¹ • SAGARA, Yoshimitsu² • KATAO, Shouhei³ • TAMAOKI, Nobuyuki² • NAKANO, Hideyuki¹
- 1P084 Mechanical force-induced color change of photochromic bisnaphthopyran (Aoyama Gakuin Univ.) ○INAGAKI, Yuki • MUTOH, Katsuya • ABE, Jiro

- 1P085 Synthesis of photochromic terarylenes showing subsequent photo-induced Lewis acid generator (Nara Inst. Sci. Tech.) ○MIZUTSU, Ryo • ASATO, Ryosuke • KUNO, Jumpei • SHIMIZU, Daiya • YAMADA, Miku • YAMADA, Mihoko • NAKASHIMA, Takuya • KAWAI, Tsuyoshi
- 1P086 Mechanical Motions of Salicylideneaniline Crystals Induced by Light and Heat (Waseda Univ.) ○HAGIWARA, Yuki • TANIGUCHI, Takuya • KOSHIMA, Hideko • ASAH, Toru
- 1P087 Dependence of Photoinduced Birefringence Change of Diarylethene Crystals on Their Molecular Structures (Osaka City Univ.) ○MORIMOTO, Kohei • KITAGAWA, Daichi • KOBATAKE, Seiya
- 1P088 Substituent Effect on Photochromic Reactivities of Diarylethenes Bearing Two *S,S*-Dioxidized Benzothiophene Groups (Osaka City Univ.) ○TAKAHASHI, Naoko • KITAGAWA, Daichi • KOBATAKE, Seiya
- 1P089 Photophysical properties of functional DNA films associated with electrostatically introduced Eu³⁺ (Chiba Univ.) ○MANO, Akane • NAKAMURA, Kazuki • KOBAYASHI, Norihisa
- 1P090 Crystal patterning and photochromism of deposited film of diarylethene derivatives having chiral substituents (¹Ryukoku Univ. • ²Asahikawa Med. Univ. • ³Osaka Kyoiku Univ. • ⁴TUPLS • ⁵RIKEN) ○FUJIMOTO, Ayako¹ • NISHIMURA, Ryo¹ • MAYAMA, Hiroyuki² • TSUJIOKA, Tsuyoshi³ • YOKOJIMA, Satoshi⁴ • NAKAMURA, Shinichiro⁵ • UCHIDA, Kingo¹
- 1P091 Effect of surface on photoinduced motion in azobenzene crystals (¹The Univ. Tsukuba • ²AIST) ○HAYASHINO, Masaru^{1,2} • OHMURA, Mio² • MIZOKURO, Toshiko² • NAKANO, Miki² • TAKADA, Naoki² • NORIKANE, Yasuo^{1,2}
- 1P092 Synthesis and optical properties of linear shaped polyanthracene-perylene hybrids (Shizuoka Univ.) ○FUJIMOTO, Keisuke • SANTO, Keisuke • TAKAHASHI, Masaki
- 1P093 Structure and photophysical properties of planar chiral [3.3](3,9)carbazolophane derivatives (¹Osaka kyoiku Univ. • ²Kyushu Univ. • ³Osaka Univ.) ○MIYANAGA, Kanae¹ • HORI, Kazushige¹ • KUBONO, Koji¹ • TANI, Fumito² • GOTO, Kenta² • MORI, Tadashi³ • TANI, Keita¹
- 1P094 Photo-Fries rearrangement of phenanthryl esters (Kanazawa Univ.) ○II, Kouya • FURUYAMA, Taniyuki • SEGI, Masahito • MAEDA, Hajime
- 1P095 Spectral properties of chlorophyll pigments in the binding sites of B800 bacteriochlorophyll *a* in LH2 protein from the purple photosynthetic bacterium *Rhodoblastus acidophilus* (Kindai Univ.) ○YAMASHITA, Madoka • SAGA, Yoshitaka
- 1P096 Characterization of molecular environment in firefly luciferase active site with dehydroluciferin derivatives (¹The Univ. of Electro-Commun. • ²Gunma Univ.) ○ARITOSHI, Seira¹ • YAMAJI, Minoru² • MAKI, Shojiro¹ • HIRANO, Takashi¹
- 1P097 Design of a fluorescent benzo[*g*]imidazo[4,5-*c*]quinoline nucleoside for monitoring base-pair-induced protonation with cytosine (Nihon Univ.) ○YANAGI, Masaki • SIRAIWA, Shogo • SAITO, Yoshio
- 1P098 Design and properties of strong blue emissive donor-acceptor type carbostyryl derivatives (¹Osaka Kyoiku Univ. • ²Nippon Pharmaceutical Chemicals Co., Ltd.) ○HORI, Kazushige¹ • TANI, Keita¹ • HATANAKA, Atsushi² • KODAMA, Hidehiko²
- 1P099 Creation of optical chemosensors using a guest inclusion phenomena (Kyushu Univ.) ○TSUKIYAMA, Yoshifumi • ONO, Toshikazu • HISAEDA, Yoshio

- 1P100 Stabilization effects of long alkyl chains on zinc-driven assemblies (Tokyo Univ. of Sci.) ○KIRIAKE, Kota • YUASA, Junpei
- 1P101 Spectral changes of 2,3-dinitroquinizarin by adding metal cations (Univ. Shiga Pref.) ○NAKAGAWA, Hidemi • TAKEHARA, Munenori • KATO, Shin-ichiro • MARUO, Masahiro • KITAMURA, Chitoshi
- 1P102 Improvement of photocatalytic activity of titanium oxide by loading on mesoporous silica (¹Shizuoka Univ. • ²Tokyo Univ. of Tech.) ○HIRANO, Kazuki¹ • SHIBATA, Masashi² • KOHNO, Yoshiumi¹ • WATANABE, Ryo¹ • FUKUHARA, Choji¹
- 1P103 Evaluation of surface defects in an oxide semiconductor by measuring emission lifetime of the adsorbed metal complex (¹Tokyo Tech. • ²Seikei Univ.) ○NISHIOKA, Shunta¹ • YAMAZAKI, Yasuomi² • ISHITANI, Osamu¹ • MAEDA, Kazuhiko¹

Poster Presentation: September 6 (Thu) 13:00-14:40

Odd number (13:00 – 13:50) Even number (13:50 – 14:40)

- 2P001 Correlation between near-field enhancement and dephasing time in plasmonic dimers (¹Hokkaido Univ. • ²Peking Univ. • ³National Chiao Tung Univ.) ○LI, Yaolong^{1,2} • SUN, Quan¹ • UENO, Kosei¹ • GONG, Qihuang² • MISAWA, Hiroaki^{1,3}
- 2P002 Spectral properties of dye molecules in infrared plasmon-cavity strong coupling systems (¹Hokkaido Univ. • ²National Chiao Tung Univ.) ○UENO, Kosei¹ • SHI, Xu¹ • SUN, Quan¹ • OSHIKIRI, Tomoya¹ • MISAWA, Hiroaki^{1,2}
- 2P003 Two-photon fluorescence detection of labeled nanoparticles with the plasmonic chip (Kwansei Gakuin Univ.) ○OMURA, Yuki • TAWA, Keiko • TOMA, Mana
- 2P004 Application of polydopamine thin films for surface plasmon enhanced fluorescence biosensors (Kwansei Gakuin Univ.) ○TOMA, Mana • TAWA, Keiko
- 2P005 Plasmon-induced emission from silver nanostructures under electrochemical potential control (Hokkaido Univ.) ○MIYAUCHI, Akira • FUKUSHIMA, Tomohiro • OYAMADA, Nobuaki • OIKAWA, Shunpei • MURAKOSHI, Kei
- 2P006 Electrochemical fine tuning of the surface lattice plasmon - exciton strong coupling regime (Hokkaido Univ.) ○OIKAWA, Shunpei • LI, Xiaowei • MINAMIMOTO, Hiro • MURAKOSHI, Kei
- 2P007 *In-situ* investigation on strongly coupled hybridized states between PbS QDs and Au NPs by electrochemical scattering spectroscopy (Hokkaido Univ.) ○LI, Xiaowei • MINAMIMOTO, Hiro • MURAKOSHI, Kei
- 2P008 Characteristic photo-excitation of graphene by localized surface plasmon (Hokkaido Univ.) ○ZHANG, Jinjiang • ZHOU, Ruifeng • MINAMIMOTO, Hiro • MURAKOSHI, Kei
- 2P009 Control of emission behavior of single perovskite nanocrystal using plasmonic nanostructure (Kwansei Gakuin Univ.) ○NAKAGAWA, Takaki • YAMAUCHI, Mitsuaki • MASUO, Sadahiro
- 2P010 Membrane protein crystallization induced by surface enhanced plasmon resonance (Gunma Univ.) ○OKUTSU, Tetsuo • KASAHARA, Shuhei • HORIUCHI, Hiroaki • SONOYA, Masashi
- 2P011 Micro-assembly formation of acrylamide-based polymers using plasmonic optical trapping toward high-sensitive fluorescence detection (Osaka City Univ.) ○MATSUMOTO, Mitsuhiro • SHOJI, Tatsuya • TSUBOI, Yasuyuki
- 2P012 Quantitative evaluation of trapping forces for plasmonic/non-plasmonic optical tweezers (¹Osaka City Univ. • ²Swinburne Univ. of Tech. • ³Hokkaido Univ.) ○OGITA, Shuhei¹ • SHOJI, Tatsuya¹ • LINKLATER, Denver² • JUODKAZIS, Saulius² • KATO, Fumiya³ • MURAKOSHI, Kei³ • TSUBOI, Yasuyuki¹
- 2P013 Optical Trapping of Chain Polymers in Aqueous Solution Using Nano-Structured Semi-Conductor-Assisted Optical Tweezers (¹Osaka City Univ. • ²Swinburne Univ. Tech.) ○NAGAI, Tatsuya¹ • SHOJI, Tatsuya¹ • SAULIUS, Juodkazis² • TSUBOI, Yasuyuki¹
- 2P014 Quantitative Determination of Polymer Concentration for a Thermoresponsive Polymer Droplet by an Optical Tweezer Combined with Raman microspectroscopy (Osaka City Univ.) ○FUJIWARA, Kayo •

- SHOJI, Tatsuya · MATSUMOTO, Mitsuhiro · ASOH, Taka-Aki · HORIBE, Hideo · NISHIYAMA, Takashi · TSUBOI, Yasuyuki
- 2P015 Efficient optical trapping of metallic and semiconductor nanocrystals at a water/hexane interface (¹Osaka city Univ. · ²Nagoya Univ.) ○YAMANISHI, Daiki¹ · NAKA, Shota¹ · SHOJI, Tatsuya¹ · KOYAMA, Seiya² · KAMEYAMA, Tatsuya² · TORIMOTO, Tsukasa² · TSUBOI, Yasuyuki¹
- 2P016 Non-plasmonic optical tweezers using nanostructures surface of a metal and a semiconductor (¹Osaka City Univ. · ²Swinburne Univ. of Tech.) ○UENOBO, Yuki¹ · SHOJI, Tatsuya¹ · MOTOTSUJI, Ayaka¹ · KOMOTO, Sawa¹ · NAGAI, Tatsuya¹ · DENVER, Linklater² · SAULIUS, Juodkazis² · TSUBOI, Yasuyuki¹
- 2P017 Nano-Structured Semi-Conductor-Assisted optical tweezer: Optical assembly of numerous polymer beads (¹Osaka City Univ. · ²Swinburne Univ. of Tech.) ○KOMOTO, Sawa¹ · SHOJI, Tatusya¹ · Saulius, JUODKAZIS² · TSUBOI, Yasuyuki¹
- 2P018 Crystallization of mixed chloride-bromide methylammonium lead perovskites by optical trapping at solution surface (Hokkaido Univ.) ○ISLAM, Md Jahidul · YUYAMA, Ken-ichi · KONISHI, Katsuaki · BIJU, Vasudevanpillai
- 2P019 Optical trapping behavior of hen egg-white lysozyme under acidic condition (Hokkaido Univ.) ○YUYAMA, Ken-ichi · ISLAM, Md Jahidul · BIJU, Vasudevanpillai
- 2P020 Viscosity of levitating single aerosol water droplets studied by laser trapping - time-resolved microspectroscopy (Hokkaido Univ.) ○ABE, Sayaka · MIURA, Atsushi · KITAMURA, Noboru
- 2P021 Spatiotemporally controlled crystallization of protein molecules by controlling molecular orientation with laser beams (Hokkaido Univ.) ○NAKASUJI, Yuka · MIURA, Atsushi · KITAMURA, Noboru
- 2P022 pH-Dependent photosensitizing activity of the electron donor-connecting P(V)tetrakis(4-methoxyphenyl)porphyrins (¹Shizuoka Univ. · ²Inst. Mol. Sci. · ³Gunma Univ. · ⁴Hamamatsu Univ.) ○ONISHI, Yusuke¹ · OUYANG, Dongyan² · HORIUCHI, Hiroaki³ · OKAZAKI, Shigetoshi⁴ · HIRAKAWA, Kazutaka¹
- 2P023 Red edge effect of fluorescent betaine molecule in aqueous solution and in saccharide glasses (Ritsumeikan Univ.) ○TOYO, Atsushi · NAGASAWA, Yutaka
- 2P024 Relationship between photoluminescence properties and concentration of doped metals on NaTaO₃ photocatalysts (Kobe Univ.) ○MIZUTANI, Seigo · KOBORI, Yasuhiro · TACHIKAWA, Takashi
- 2P025 Halide exchange reactions for constructing core-shell structured perovskite nanoparticles (Kobe Univ.) ○KARIMATA, Izuru · KOBORI, Yasuhiro · TACHIKAWA, Takashi
- 2P026 Fluorescence enhancement by an optical interference mirror slide for an immunoassay (¹Kwansei Gakuin Univ. · ²Tokyo Univ. of Tech.) ○YASUDA, Mitsuru¹ · FUJITA, Suzuka¹ · AKIMOTO, Takuo² · SHIGETO, Shinsuke¹
- 2P027 The relation between the fluorescence colors and aggregation states of dibenzoylmethane boron fluoride complex during evaporative crystallization (Shinshu Univ.) ○SAIGUSA, Mai · ITO, Fuyuki
- 2P028 Absolute luminescence quantum yield measurement in the near-infrared region using integrating sphere (¹Gunma Univ. · ²Hamamatsu Photonics K.K.) ○HOSHI, Ryosuke¹ · SUZUKI, Kengo² · YOSHIHARA, Toshitada¹ · TOBITA, Seiji¹

- 2P029 Development of cationic iridium(III) complexes for multicolor oxygen imaging (Gunma Univ.) ○ NAKANO, Koki · YOSHIHARA, Toshitada · MIZUKAMI, Kiichi · TOBITA, Seiji
- 2P030 Effect of counterion on charge transfer transition of Black Dye (Fukushima Univ.) ○ TAKASE, Tsugiko · NAKAMURA, Shunsuke · OYAMA, Dai
- 2P031 Study on reduced-glutathione activatable silylporphyrin for tumor specific photosensitization (Gunma Univ.) ○ MUTO, Shingo · HORIUCHI, Hiroaki · KUBOTA, Ryo · OKUTSU, Tetsuo
- 2P032 A laser T-jump study on the phase separation dynamics of Poly (*N*-isopropylacrylamide) : acceleration of phase separation by copolymerization with a hydrophilic comonomer (¹Osaka City Univ. · ²Osaka Univ.) ○ KITABA, Moe¹ · SHOJI, Tatsuya¹ · FUJIWARA, Kayo¹ · MATSUMOTO, Mitsuhiro¹ · ASOH, Takaki² · NISHIYAMA, Takashi¹ · HORIBE, Hideo³ · TSUBOI, Yasuyuki¹
- 2P033 Investigation on the potential of photogenerated electrons in CoO_x/TiO₂ using various ruthenium(II) tris-diimine complexes (¹Tokyo Tech. · ²Seikei Univ.) ○ OKAZAKI, Megumi¹ · YAMAZAKI, Yasuomi² · ISHITANI, Osamu¹ · MAEDA, Kazuhiko¹
- 2P034 Development of pH-activatable photosensitizer by introducing aminoindoles as quencher units (Gunma Univ.) ○ TAJIMA, Kazuya · HORIUCHI, Hiroaki · OKUTSU, Tetsuo
- 2P035 Origin of spectral shift by electrode current in organic electronic materials (Col. Eng., Nihon Univ.) ○ SHIMADA, Kouhei · KATOH, Ryuzi
- 2P036 Fabrication and evaluation of etched two-color phase plates for super resolution microscopy (¹NTT-AT · ²Kitasato Univ. · ³Budapest Univ. · ⁴Olympus) ○ NAGAI, Koumei¹ · OKU, Satoshi¹ · MARUYAMA, Takashi¹ · KODAIRA, Akira¹ · KUMAGAI, Hiroshi² · NANDOR, Bokor³ · IKETAKI, Yoshinori^{2,4}
- 2P037 Two-photon ionization of diarylethene derivative in the presence of cyclodextrin by using two-color two-laser irradiation (¹Fukui Univ. of Tech. · ²WORLD INTEC CO., LTD.) ○ MINOSAKI, Chika¹ · UEMATU, Takanori¹ · TAKESHITA, Tatsuya² · HARA, Michihiro¹
- 2P038 Preparation of fluorescent carbon dots from sucrose and the solvent dependence of fluorescence (Muroran Inst. Tech.) ○ ODA, Keisuke · IIMORI, Toshifumi
- 2P039 Preparation of fluorescent carbon dots from starch using microwave irradiation (Muroran Inst. Tech.) ○ SHIBATA, Hisahiko · IIMORI, Toshifumi
- 2P040 Photoluminescence of malachite green derivatives for photoresponsive probe (Natl. Inst. of Tech., Nara Col.) NISHIMOTO, Noriko · TAN, Shao Ying · HAYASHI, Keita · ○ UDA, Ryoko
- 2P041 Fluorescence study on Eu(III)-based composites containing tungstate ion in aqueous solution (Yamaguchi Univ.) ○ TAKAYANAGI, Yoshiyuki · YAMAZAKI, Suzuko
- 2P042 Effect of electric field on emission enhancement in the organic polymer composite including emissive ionic liquid (Univ. of Miyazaki) ○ SHIRAGAMI, Tsutomu · SHIMOBÉ, Yusuke · NABETANI, Yu
- 2P043 H₂O sensing by use of anthracene-linked ESIPT fluorophores (¹CIST · ²Tohoku Univ.) ○ SAKAI, Kenichi¹ · Ueda, Manae¹ · SUZUKI, Chihiro¹ · AKUTAGAWA, Tomoyuki²
- 2P044 The evaluation of porous and optical properties of a novel sulfide-cluster metal-organic framework (¹Kwansei Gakuin Univ. · ²Osaka Univ. · ³JST- PRESTO) ○ KAMAKURA, Yoshinobu¹ · SAEKI, Akinori^{2,3} · TANAKA, Daisuke^{1,3}

- 2P045 Synthesis of novel donor-acceptor linked molecules bearing triphenylamine and benzothiadiazole moieties, and photocarrier generation in thin films (Osaka Univ.) ○OKUDA, Yuki • SUENOBU, Tomoyoshi • NAKAYAMA, Ken-ichi
- 2P046 Optical properties and applications of visible-sensitized lophine derivatives (¹Ritsumeikan Univ. • ²Kwansei Gakuin Univ.) ○USUI, Ryosuke¹ • YAMAUCHI, Mitsuaki² • MASUO, Sadahiro² • TAMAI, Naoto² • KOBAYASHI, Yoichi¹
- 2P047 Development of UV photon upconverters composed solely of salts and their photophysical properties (¹Tokyo Tech. • ²Nippon Kayaku) ○MOTOOKA, Ayumu¹ • NIIMI, Kazuki² • KAIHO, Atsushi² • KIYOYANAGI, Noriko² • MURAKAMI, Yoichi¹
- 2P048 Effects of Silver Nanoplates and Magnetic Field on Photon Upconversion in Polymer Films (¹Sojo Univ. • ²Univ. Teknologi PETRONAS • ³ISIT) ○YONEMURA, Hiroaki¹ • FUKUDA, Shunta¹ • SHAW YONG, Gary Lee^{1,2} • SHIBATA, Fumiya¹ • NODA, Yuki¹ • YAMADA, Sunao³
- 2P049 Preparation of C₆₀-ethylenediamine adduct thin-films and their hole-blocking properties (Univ. Shiga Pref.) ○AKIYAMA, Tsuyoshi • YAMADA, Atsutaka • HOSOI, Ippei • SUZUKI, Atsushi • OKU, Takeo
- 2P050 Dynamic screening in lead-halide perovskites upon photo-induced carrier generation (¹Kyushu Univ. • ²Columbia Univ.) ○MIYATA, Kiyoshi¹ • TRINH, M. Tuan² • JOSHI, P. Prakriti² • ZHU, Xiaoyang²
- 2P051 Evaluation of polymeric material with microscopic phase-separation by means of long-time single-molecule tracking based on one-color fluorescence switching (¹Osaka Univ. • ²Toyama Pref. Univ. • ³Rikkyo Univ.) ○FUNAOKA, Misato¹ • ITO, Shoji¹ • TAKEI, Satoshi² • MORIMOTO, Masakazu³ • IRIE, Masahiro³ • MIYASAKA, Hiroshi¹
- 2P052 Synthesis and Photoreaction of Cyclic Tetra-arylenes (Nara Inst. Sci. Tech.) ○MATSUOKA, Shiori • NAKASHIMA, Takuya • HASHIMOTO, Yuiochiro • YAMADA, Miku • KAWAI, Tsuyoshi
- 2P053 Nanostructures and photo-mechanical function of layered hybrid film (Univ. of Miyazaki) ○MATSUDA, Kentaro • MATSUMOTO, Jin • SHIRAGAMI, Tsutomu • NABETANI, Yu
- 2P054 Synthesis and characterization of a near-infrared absorbing sensitizer for a *p*-type dye-sensitized solar cell (¹Tokyo Metropolitan Univ. • ²Ege Univ.) ○HIGASHINO, Yuta¹ • ERTENELA, Sule² • KUBO, Yuji¹
- 2P055 Laser Fabrication of Chloroaluminium Phthalocyanine Nanoparticle Colloids in Pluronic[®] F127 Aqueous Solution (Ehime Univ.) ○HIMEDA, Taisei • KIHARA, Ryo • ASAHI, Tsuyoshi
- 2P056 Syntheses and properties of narrow-bandgap polymers (20) Synthesis of a narrow bandgap polymer applicable to organic thin film solar cell (Kansai Univ.) ○KARASUDA, Taisuke • GUO, Haoxuan • AOTA, Hiroyuki
- 2P057 Syntheses and properties of narrow-bandgap polymers (21) Syntheses of narrow bandgap polymers having reactive groups for crosslinking (Kansai Univ.) ○Imai, Yusuke • GUO, Haoxuan • Aota, Hiroyuki
- 2P058 Exfoliation of copper porphyrin containing covalent organic frameworks with 4-ethylpyridine and its photocatalytic activity (Osaka Univ.) ○LI, Xinxi • OSAKADA, Yasuko
- 2P059 2D Cobalt-coordinated porphyrin covalent organic frameworks for photocatalytic hydrogen evolution (Osaka Univ.) ○FAN, Zeyu • OSAKADA, Yasuko
- 2P060 Singlet oxygen production with cationic phthalocyanine on clay nanosheet surface utilized as reaction field (Shimane Univ.) ○FUJIMURA, Takuya • FUJISHIRO, Rei • ARITA, Kazuki • YAMANO, Daichi • IKEUE, Taskahisa • SASAI, Ryo

- 2P061 Analyses of heat transfer from photothermally heated phthalocyanine thin films to inorganic magnetic substrates (The Univ. Tokyo) ○KARASAWA, Masanobu · ISHII, Kazuyuki
- 2P062 Development of Metal Oxide Mesocrystals for Highly Efficient and Selective Photocatalysis (Kobe Univ.) ○MURAKAMI, Yuta · KOBORI, Yasuhiro · TACHIKAWA, Takashi
- 2P063 Tremendous fluorescence enhancement of palladium porphyrin derivative based on the controlled radiative decay process by localized surface plasmon resonance (Nihon.Univ.) ○TAKESHIMA, Naoto · SUGAWA, Kosuke · OTSUKI, Joe
- 2P064 Synthesis of carbon-coated Au nanorods supported Pd catalysts for surface plasmon-enhanced reaction (¹Osaka Univ. · ²Kyoto Univ. · ³JST-PRESTO) ○YOSHII, Takeharu¹ · KUWAHARA, Yasutaka^{1,2} · MORI, Kohsuke^{1,2,3} · YAMASHITA, Hiromi^{1,2}
- 2P065 Photoelectrochemical reduction of aromatic compounds using plasmon-induced charge separation (¹Hokkaido Univ. · ²National Chiao Tung Univ.) ○JO, Haruki¹ · OSHIKIRI, Tomoya¹ · UENO, Kosei¹ · MISAWA, Hiroaki^{1,2}
- 2P066 Optical and SERS properties of Au double nanorings (¹Tokyo Univ. of Sci. · ²RIKEN) ○TAKATSUKI, Takumi¹ · YOKOTA, Yukie^{1,2} · WATANABE, Kazuo¹
- 2P067 Layer by layer surface coating of silver nanoparticles for active SERS detection inside live cells (¹Hokkaido Univ. · ²Tohoku Univ. · ³KU Leuven) ○INOSE, Tomoko¹ · ISHIDA, Takuto¹ · WATANABE, Kiri¹ · FARSAI, Taemaitree² · FORTUNI, Beatrice³ · KOSEKI, Yoshitaka² · KASAI, Hitoshi² · UJI-I, Hiroshi^{1,3}
- 2P068 Plasmonic-heating-induced highly local phase separation of thermoresponsive polymers in aqueous solution (¹Tokushima Univ. · ²Fukuoka Univ.) ○KUROKAWA, Yoshitaka¹ · KATSUMOTO, Yukiteru² · HASHIMOTO, Shuichi¹ · FURUBE, Akihiro¹
- 2P069 Plasmonic-heating-induced phase separation of binary liquids (¹Tokushima Univ. · ²Natl. Inst. of Tech., Nara Col.) ○KATO, Tatsuki¹ · HASHIMOTO, Chihiro² · HASHIMOTO, Shuichi¹ · FURUBE, Akihiro¹
- 2P070 Photoinduced electron transfer from metal-driven chiral assembly of acridine derivatives (Tokyo Univ. of Sci.) ○KOIDE, Shota · YUASA, Junpei
- 2P071 Fabrication and photovoltaic properties of an invert-type organic thin-film solar cells incorporation of phosphorescent material into electron transport layer (Univ. Shiga Pref.) ○MATSUMIYA, Yusuke · AKIYAMA, Tsuyoshi · OKU, Takeo
- 2P072 Effect of isomer separation of [70]PCBM on performance of polymer solar cells (Kyoto Univ.) ○IGARASI, Kensho · UMEYAMA, Tomokazu · IMAHORI, Hiroshi
- 2P073 Development of new inden-based photolabile protecting group with two-photon absorption character in near-infrared region (Hiroshima Univ.) ○SASAKI, Miyu · ABE, Manabu
- 2P074 Generation of germylene by triplet sensitization reaction and its reactivity (Saitama Univ.) ○WAKAMATSU, Fumika · YAGO, Tomoaki · WAKASA, Masanobu
- 2P075 Metal ions recognition by using non-cyclic polyether compounds with aromatic amide termini (Tokyo Denki Univ.) ○MAEDA, Kazuya · ADACHI, Naoya
- 2P076 Photo-properties of the Norbornadiene derivative with quinoid structures (Hiroshima Univ.) ○TANABE, Chika · HATANNO, Sayaka · ABE, Manabu

- 2P077 Single molecule level observation of structural switching dynamics of nucleic acids by controlling fluorescence blinking (¹Osaka Univ. • ²Tokyo Tech.) ○KAWAI, Kiyohiko¹ • MIYATA, Takafumi² • SHIMADA, Naohiko² • ITO, Syoji¹ • MIYASAKA, Hiroshi¹ • MARUYAMA, Atsushi²
- 2P078 Synthesis of labeling reagents with a firefly-type fluorophore structure (¹The Univ. of Electro-Commun. • ²Gunma Univ.) ○MISAWA, Rena¹ • YAMAJI, Minoru² • MAKI, Shojiro¹ • HIRANO, Takashi¹
- 2P079 Luminescence properties of imidazopyridine derivatives with intramolecular hydrogen-bonding 7-membered ring in the solid state (The Univ. Tokyo) ○MUTAI, Toshiki • MURAMATSU, Tatsuya • YOSHIKAWA, Isao • HOUJOU, Hirohiko • OGURA, Masaru
- 2P080 Development of emissive dyes synthesized from anthracene derivatives (Tokyo Univ. of Sci.) ○ISEKI, Shuta • YUASA, Junpei
- 2P081 Design of circular polarized luminescence using helicene derivatives based on symmetry of frontier orbitals (Kyoto Univ.) ○HIROSE, Takashi • KUBO, Hiromu • MATSUDA, Kenji
- 2P082 Emission enhancement of dyes immobilized in DNA ultrathin films by localized surface plasmon resonance of metal nanoparticles (¹NIT, Kitakyushu Col. • ²Shizuoka Univ. • ³AIST) ○YAMAGUCHI, Kohei¹ • MORITA, Hiroya¹ • NAGAMURA, Toshihiko^{1,3} • KAWAI, Hideki² • MATSUDA, Naoki³ • OKAWARA, Toru¹ • TAKEHARA, Kenji¹
- 2P083 Synthesis and AIE properties of dialkylaminonaphthalene-based dyes (The Univ. Tokyo) ○KIKUCHI, Takashi • SASAKI, Shunsuke • KONISHI, Gen-ichi
- 2P084 Study on the wavelength modulation mechanism of firefly bioluminescence: a structure-fluorescence property relationship of oxyluciferins (The Univ. of Electro-Commun.) ○HIRAGA, Shiori • KAKIUCHI, Michio • MAKI, Shojiro • HIRANO, Takashi
- 2P085 Study on the oxygenation mechanism in firefly bioluminescence (The Univ. of Electro-Commun.) ○ITO, Shinichi • MAKI, Shojiro • HIRANO, Takashi
- 2P086 Synthesis and photophysical properties of polycarbonates with aggregation-induced emission monomer in the main chain (Tokyo Inst. Tech.) ○SAIRI Amir, Sharidan • KONISHI, Gen-ichi • KUWAHARA, Kouhei
- 2P087 Synthesis and chemiluminescence (CL) property of 1,2-dioxetanes with an arylmethyl side-chain for a soft crystal chemiluminescence system (¹The Univ. of Electro-Commun. • ²Gunma Univ. • ³Tokyo Inst. Tech.) ○ISHITANI, Kaoru¹ • MATSUHASHI, Chihiro¹ • YAMAJI, Minoru² • UEKUSA, Hidehiro³ • MAKI, Shyouzirou¹ • HIRANO, Takashi¹
- 2P088 Synthesis and AIE Properties of Dialkylaminopyrene-based Dyes (Tokyo Inst. Tech.) ○IWAI, Riki • SASAKI, Shunsuke • KONISHI, Gen-ichi
- 2P089 AIE-active Polyoxazolines prepared by bis(dialkylamino)anthracene dye as a initiator (Sch. Mater. and Chem Tech., Tokyo Tech.) ○Nishiwaki, Rihito • Konishi, Gen-ichi
- 2P090 Synthesis of covalently linked diarylethene–permethylated γ -cyclodextrin complex and investigation of its molecular conformation (Kyoto Univ.) ○SHIRAKAMI, Kento • HIROSE, Takashi • MATSUDA, Kenji
- 2P091 Investigation of homogeneously π -extended helicene derivatives: effect of benzo-annulation on absorption properties (Kyoto Univ.) ○ABE, Shinya • HIROSE, Takashi • MATSUDA, Kenji

- 2P092 Synthesis of star shaped compounds and changes of AIE property due to steric hindrance (Tokyo Denki Univ.) ○NAGAHORI, Tomomi • ADACHI, Naoya
- 2P093 Synthesis and fluorescence properties of (2,7)pyrenophanes tethered by methylene chains (Kanazawa Univ.) ○FUTAESAKU, Ryota • FURUYAMA, Taniyuki • SEGI, Masahito • MAEDA, Hajime
- 2P094 Conformational alternation of aromatic stacking geometry regulated by coordination-driven zinc assembly (Tokyo Univ. of Sci.) ○NONOMURA, Kohei • YUASA, Junpei
- 2P095 Development of photooxidative keto-trifluoromethylation of styrenes with anthraquinones (Gifu Pharm. Univ.) YAMAGUCHI, Eiji • KAMITO, Yuji • MATSUO, Kazuki • ISHIHARA, Jun • ○ITOH, Akichika
- 2P096 Photo-induced formal [3+3] cycloaddition Reactions of Nitrones with Diaminomethanes (¹Kitasato Univ. • ²Shinshu Univ.) ○TAKASHINO, Atsushi¹ • ITOH, Kennosuke¹ • OHTSUKA, Atsushi¹ • KATO, Ryo² • MIZUGUCHI, Takaaki¹ • KARAKI, Fumika¹ • HIRAYAMA, Shigeto¹ • SUGA, Hiroyuki² • ISHIDA, Hitoshi¹ • FUJII, Hideaki¹
- 2P097 Development of sequential conjugate addition/cyclization reaction of carbon-centered radicals induced from tertiary amines in the presence of visible-light photoredox catalyst (¹Kitasato Univ. • ²Josai Univ.) ○NAGAO, Shunichi¹ • ITOH, Kennosuke¹ • MIZUGUCHI, Takaaki¹ • KARAKI, Fumika¹ • HIRAYAMA, Shigeto¹ • HASHIMOTO, Masashi² • FUJII, Hideaki¹
- 2P098 Photocycloaddition of cyanonaphthalenes with aromatic cyanoalkynes (Kanazawa Univ.) ○YAMASAKI, Kenta • KUNIMATSU, Yuki • FURUYAMA, Taniyuki • SEGI, Masahito • MAEDA, Hajime
- 2P099 Development of betaine molecules as visible light photoredox catalysts cooperating with hydride reducing agents (Niigata Univ.) ○TANAKA, Tsukasa • HASEGAWA, Eietsu
- 2P100 Photoinduced hydrogen evolution from water driven by [Ni-Fe] hydrogenase coupled with carbon nanotube photocatalyst (¹Okayama Univ. • ²Yamaguchi Univ.) ○WATANABE, Ken¹ • TAJIMA, Tomoyuki¹ • MIYAKE, Hideaki² • TODA, Takahiro¹ • TAMURA, Takashi¹ • TAKAGUCHI, Yutaka¹
- 2P101 C-C bond formation reaction using C₆₀ as a photoredox catalyst (Nihon Univ.) ○Yuta, Yamazaki • Mamiko, Hayakawa • Tadashi, Aoyama • Akihiko, Ouchi
- 2P102 Diastereodifferentiating Intramolecular [2+2]Photocycloaddition Reaction of Naphthoquinone-Alkene Systems (Osaka Univ.) ○ISHIKAWA, Hiroki • SHIGEMITSU, Hajime • KIDA, Toshiyuki • MORI, Tadashi

Poster Presentation: September 7 (Fri) 14:50-16:30

Odd number (14:50 – 15:40) Even number (15:40 – 16:30)

- 3P001 Suppression process of the generation of triplet bacteriochlorophyll *a* in LH1 antenna pigment-protein complexes from purple photosynthetic bacteria (¹Kwansei Gakuin Univ. • ²Osaka City Univ. • ³Univ. of Glasgow) ○SATO, Hiroki¹ • YUKIHIRA, Nao¹ • URAGAMI, Chiasa¹ • FUJIWARA, Masazumi² • GARDINER, Alastair T.³ • COGDELL, Richard J.³ • HASHIMOTO, Hideki¹
- 3P002 Photoisomerization of all-*trans*-β-Apo-8'-carotenal and transient absorption spectral measurement (Kwansei Gakuin Univ.) ○HORIUCHI, Kota • URAGAMI, Chiasa • INOUE, Taiki • YUKIHIRA, Nao • HASHIMOTO, Hideki
- 3P003 Generation and isolation of geometric isomers of β-Apo-8'-carotenal and their Stark absorption spectroscopic studies (¹Kwansei Gakuin Univ. • ²Fuji Chemical Co. Ltd.) ○INOUE, Taiki¹ • SETO, Shota² • HORIBE, Tomoko² • HORIUCHI, Kota¹ • URAGAMI, Chiasa¹ • HASHIMOTO, Hideki¹
- 3P004 Excited state dynamics of molecular assembly in ionic nanospheres observed by picosecond time-resolved fluorescence spectroscopy (¹Kumamoto Univ. • ²Kochi Univ. of Tech.) ○FURUKAWA, Hiroki¹ • UCHIMURA, Yuki¹ • NISHIMOTO, Toru¹ • TAOMOTO, Mayuka² • ITO, Akitaka² • KOSUMI, Daisuke¹
- 3P005 Elucidation of light-harvesting and energy dissipation functions of phycobilisome-photosystem II percomplex (¹Kumamoto Univ. • ²Osaka City Univ.) ○HIROTA, Yuma¹ • FUJIMOTO, Shogo¹ • KAWAKAMI, Keisuke² • KAMIYA, Nobuo² • KOSUMI, Daisuke¹
- 3P006 Regulatory mechanisms of light energy in oxygenic photosynthetic organisms probed by fluorescence spectroscopy (¹ Kobe Univ. • ²JIRCAS) ○UENO, Yoshifumi¹ • SHIMAKAWA, Ginga¹ • AIKAWA, Shimpei² • MIYAKE, Chikahiro¹ • AKIMOTO, Seiji¹
- 3P007 Selective observation of charge separation reaction dynamics of photosystem II core complex (¹Osaka Univ. • ²Ritsumeikan Univ. • ³Okayama Univ.) ○YONEDA, Yusuke¹ • NAGASAWA, Yutaka² • UMENA, Yasufumi³ • MIYASAKA, Hiroshi¹
- 3P008 Dynamics of photo-controlled orientation change of guest molecules in azobenzene polymer liquid crystal thin film (¹Osaka Univ. • ²Kumamoto Univ.) ○Nishiyama, Yumi¹ • HIRATSUKA, Kengo¹ • HASHIMOTO, Takuma² • KURIHARA, Seiji² • FUKAMINATO, Tsuyoshi² • ITO, Syoji¹ • MIYASAKA, Hiroshi¹
- 3P009 Dynamics of the intermediate state in the stepwise two-photon cycloreversion reaction of a diarylethene derivative as revealed by transient absorption and dichroism measurements (¹Osaka Univ. • ²Osaka City Univ.) ○TACHII, Yuka¹ • SOTOME, Hikaru¹ • KOBATAKE, Seiya² • MIYASAKA, Hiroshi¹
- 3P010 Nonlinear effects on formation of helical lanthanide assemblies (Tokyo Univ. of Sci.,) ○SUKO, Natsumi • YUASA, Junpei
- 3P011 Visualization of triplet exciton diffusion in aromatic crystals via persistent room temperature phosphorescence (¹Tokyo Inst. Tech. • ²Univ. Electro-commun.) ○NARUSHIMA, Kaishi¹ • HIRATA, Shuzo² • VACHA, Martin¹

- 3P012 Photochromic reaction of spironaphthooxazine nanoparticles induced by nanosecond pulse laser excitation: dense excitation effects (Ehime Univ.) ○ NISHIMOTO, Atsushi • OGURA, Yumi • ISHIBASHI, Yukihide • ASAH, Tsuyoshi
- 3P013 Fiber laser excitation multi-photon imaging by utilizing Ru(II) complexes as probes (Yamaguchi Univ.) ○ ONISHI, Shozo • SUZUKI, Yasutaka • KAWAMATA, Jun
- 3P014 Reduction of Eu^{3+} by multiphoton excitation in alcohol solutions (¹JAEA • ²Osaka City Univ. • ³Institute for Laser Technology) ○ MATSUDA, Shohei¹ • NAKASHIMA, Nobuaki^{2,3} • YOKOYAMA, Keiichi¹ • YATSUHASHI, Tomoyuki² • CHOSROWJAN, Haik³ • TANIGUCHI, Seiji³ • SOMEKAWA, Tomohiro³
- 3P015 Fluorescence microscopy based detection scheme of spin effects on single radical pairs (¹Univ. of Tokyo • ²International Tomography Center • ³Saitama Univ.) ○ IKEYA, Noboru¹ • NASIBULOV, A. Egor² • IVANOV, L. Konstantin² • MAEDA, Kiminori³ • WOODWARD, R. Jonathan¹
- 3P016 Impacts of synthetic and measurement conditions on single-particle photoluminescence behaviors of CsPbBr₃ nanocrystals (Rikkyo Univ.) ○ HONDA, Shugo • NIIHORI, Yoshiki • MITSUI, Masaaki
- 3P017 Correlation between fabrication condition and photoluminescence behavior of CH₃NH₃PbI₃ films revealed by laser scanning microscopy (Rikkyo Univ.) ○ TAKAHASHI, Ryo • NIIHORI, Yoshiki • MITSUI, Masaaki
- 3P018 Transient absorption study of Tin porphyrin on SnO₂ (Tokyo Metropolitan Univ.) ○ MATHEW, Siby • KUTTASSERY, Fazalurahman • TACHIBANA, Hiroshi • INOUE, Haruo
- 3P019 Label-Free pump-probe imaging of nano particles below the diffraction limit (¹National Chiao Tung Univ. • ²National Synchrotron Radiation Research Center) ○ FATHI, Amir¹ • CHUNG, Chao-Yu¹ • LEE, Yin-Yu² • DIAU, Eric wei-Guang¹ • LEE, Yuan-Pern¹
- 3P020 Ultrafast vibrational dynamics in oxy-hemoglobin observed by sub-10fs laser pulse (¹National Chiao Tung Univ. • ²Kanagawa Univ. • ³The Univ. of Electro-Commun.) ○ YABUSHITA, Atsushi^{1,2} • KO, Ying-Kuan¹ • KOBAYASHI, Takayoshi^{1,3}
- 3P021 Femtosecond transient absorption study on photo-thermal conversion dynamics in quinacridone nanoparticle (Ehime Univ.) ○ OMODA, Hiroki • ISHIBASHI, Yukihide • ASAH, Tsuyoshi
- 3P022 Size dependence on hot electron transfer in CdTe quantum dots - fullerene hybrid systems (Kwansei Gakuin Univ.) ○ KORI, Shota • OKUHATA, Tomoki • KATAYAMA, Tetsuro • TAMAI, Naoto
- 3P023 Fabrication of CT nanocrystals by laser ablation and their transient absorption measurements (Kyoto Inst. Tech.) ARAKI, Syuta • SATAKE, Toshihiko • YAMASHITA, Ayato • MACHIDA, Shinjiro • ○ IKEDA, Noriaki
- 3P024 Fluorescence dynamics of TCNQ using time-resolved spectroscopy (¹Muroran Inst. Tech. • ²Kwansei Gakuin Univ.) ○ IIMORI, Toshifumi¹ • TORII, Yuto¹ • NAKANO, Hideyuki¹ • TAMAI, Naoto²
- 3P025 Excitation relaxation dynamics of long-chain keto-carotenoids (¹Kobe Univ. • ²Kobe Pharm. Univ. • ³Tokyo Univ.) ○ KAGATANI, Kohei¹ • YAMANO, Yumiko² • TAKAICHI, Shinichi³ • AKIMOTO, Seiji¹
- 3P026 Charge carrier dynamics in bulk heterojunction organic semiconductor thin films by optical-pump terahertz-probe spectroscopy (¹Kobe Univ. • ²Nara Inst. Sci. Tech.) ○ HIRAMATSU, Yuichi¹ • OHTA, Kaoru¹ • TAKAHASHI, Kohtaro² • SUZUKI, Mitsuharu² • YAMADA, Hiroko² • TOMINAGA, Keisuke¹

- 3P027 Conformation of photocharge separation state generated in cryptochrome from *Xenopus laevis* (¹Kobe Univ. • ²Nagoya Inst. of Tech. • ³Toho Univ.) ○HAMADA, Misato • KOBORI, Yasuhiro¹ • TATIKAWA, Takashi¹ • NAGASHIMA, Hiroki¹ • KANDORI, Hideki² • IWATA, Tatsuya³
- 3P028 Fluorescence lifetime measurement of single optically trapped particles by means of the stimulated emission depletion (Osaka Univ.) ○OKAMOTO, Shunsuke • MURAMATSU, Masayasu • SOTOME, Hikaru • ITO, Syoji • MIYASAKA, Hiroshi
- 3P029 Mechanism of 6π electrocyclic reaction of a dithiazolylarylene derivative as revealed by time-resolved absorption and fluorescence measurements (¹Osaka Univ. • ²Nara Inst. Sci. Tech.) ○SEI, Ryosuke¹ • FUJIMOTO, Shingo¹ • NAGASAKA, Tatsuhiro¹ • SOTOME, Hikaru¹ • FUJIMOTO, Shingo¹ • KAWAI, Tsuyoshi² • MIYASAKA, Hiroshi¹
- 3P030 Energy transfer simulation of Yb³⁺-doped compounds (Tokyo Tech.) ○OMAGARI, Shun • VACHA, Martin
- 3P031 Relaxation and trapping dynamics of charge carrier in TiO₂ photocatalysts studied by time-resolved luminescence spectroscopy (Nihon Univ.) ○CHO, Yo-ka • KATOH, Ryuzi
- 3P032 Charge delocalization in aromatic liquids studied by RIPT method (¹Nihon Univ. • ²Osaka Univ. • ³UNISOKU) ○NIKAIDO, Shinsuke¹ • SUENOBU, Tomoyoshi² • NAKAGAWA, Tatsuo³ • KATOH, Ryuzi¹
- 3P033 Solvation dynamics of betaine dye in a highly viscous protic solvent (¹Ritsumeikan Univ. • ²Osaka Univ.) ○IWAMOTO, Akira¹ • YONEDA, Yusuke² • MIYASAKA, Hiroshi² • NAGASAWA, Yutaka¹
- 3P034 Influence of hydrogen bonding on structural relaxation dynamics of triphenylmethane dye (Ritsumeikan Univ.) ○NAKAGAWA, Hirofumi • DAICHO, Ayako • MATSUMOTO, Akifumi • OTA, Chikashi • NAGASAWA, Yutaka
- 3P035 Cyclophosphorbidel-*a* enol, nonfluorescent detoxified metabolite of chlorophyll-*a*; observation of an intermediate species in the nonradiative decay process (¹Ritsumeikan Univ. • ²Fukui Univ. of Tech.) ○SUGIHARA, Keita¹ • OTA, Chikashi¹ • NAGASAWA, Yutaka¹ • KINOSHITA, Yusuke¹ • KASHIYAMA, Yuichiro² • TAMIYAKI, Hitoshi¹
- 3P036 Excited state dynamics of fullerene in electron donating solvent (Ritsumeikan Univ.) ○TAKAHASHI, Yosuke • NAGASAWA, Yutaka
- 3P037 Development of signal sampling circuit for RIPT transient absorption spectroscopy (UNISOKU) ○HANADA, Hiroaki • OKAMOTO, Kido • SUZUKI, Toshiaki • NAKAGAWA, Tatsuo
- 3P038 Step- π -conjugated polymers (40) Synthesis and evaluation of electron transfer of amphiphilic A, B-block type macromolecular wire with energy level difference (Kansai Univ.) ○HIRATA, Sora • GUO, Haoxuan • AOTA, Hiroyuki
- 3P039 Sep- π -conjugated polymers (41) Synthesis of benzene type amphiphilic macromolecular wire for long-lived charge separation state and photochemical behavior (Kansai Univ.) ○NISHIMURA, Misa • GUO, Haoxuan • AOTA, Hiroyuki
- 3P040 Step- π -conjugated polymers (42) Synthesis and photochemical behavior of A, B-block type amphiphilic polymers by using pseudo-living addition-condensation polymerization (Kansai Univ.) ○KITAYAMA, Daisuke • GUO, Haoxuan • AOTA, Hiroyuki

- 3P041 Step- π -conjugated polymers (43) Synthesis and evaluate of A, B-block type amphiphilic macromolecular wire with second donor (Kansai Univ.) ○TANAKA, Kota • GUO, Haoxuan • AOTA, Hiroyuki
- 3P042 Step- π -conjugated polymers (44) Synthesis and performance evaluation of macromolecular wire with a donor and acceptor at the terminal (Kansai Univ.) ○IWAMURA, Koki • GUO, Haoxuan • AOTA, Hiroyuki
- 3P043 Step- π -conjugated polymers (45) Synthesis of A,B-block type of polymer which is able to combine with Pt (Kansai Univ.) ○MATSUMURA, Kaho • GUO, Haoxuan • AOTA, Hiroyuki
- 3P044 Step- π -conjugated polymers (46) Synthesis and photochemical evaluation of polymer with photosensitizer for multi-step electron transfer (Kansai Univ.) ○KASUGAI, Takayuki • GUO, Haoxuan • AOTA, Hiroyuki
- 3P045 Step- π -conjugated polymers (47) Attempt to synthesize high density charge storage polymer for bonding to gold (Kansai Univ.) ○ASAI, Shingo • MARUYAMA, Kota • GUO, Haoxuan • AOTA, Hiroyuki
- 3P046 Step- π -conjugated polymers (48) Synthesis and electron transfer evaluation of macromolecular wire with porphyrin unit (Kansai Univ.,) ○OYAMA, Arata • GUO, Haoxuan • AOTA, Hiroyuki
- 3P047 Step- π -conjugated polymers (49) Relationship between the donor-acceptor distance and rate constant of electron transfer in macromolecular wire (Kansai Univ.) ○GUO, Haoxuan • YOSHIDA, Keisuke • AOTA, Hiroyuki
- 3P048 Crystallization-induced emission of diarylethene induced by mechanical scratching and heating (¹Osaka City Univ. • ²Osaka Univ.) ○NAKAHAMA, Tatsumoto¹ • KITAGAWA, Daichi¹ • SOTOME, Hikaru² • ITO, Syoji² • MIYASAKA, Hiroshi² • KOBATAKE, Seiya¹
- 3P049 Thermal bleaching reaction analysis of diarylethene closed-ring isomers in the presence of acid (Osaka City Univ.) ○SAKURAI, Momoka • KITAGAWA, Daichi • KOBATAKE, Seiya
- 3P050 Multiphoton-gated cycloreversion reaction dynamics of a diarylethene derivative with a methoxy group as substituent (¹Osaka Univ. • ²Osaka City Univ.) ○FUJIMOTO, Shingo¹ • NAGASAKA, Tatsuhiko¹ • SOUTOME, Hikaru¹ • KOBATAKE, Seiya² • MIYASAKA, Hiroshi¹
- 3P051 Photon-quantitative photocyclization reaction of spiro-functionalized diarylethenes (Yokohama National Univ.) MIYASAKA, Yosuke • KATO, Nagara • OTOMO, Yutaro • YOKOYAMA, Yasushi • ○ NAKAGAWA, Tetsuya
- 3P052 Fabrication and Fluorescence Switching of Polymer Particles Encapsulated Diarylethene and Fluorene Derivatives (Osaka City Univ.) ○KIRIYAMA, Takashi • KITAGAWA, Daichi • KOBATAKE, Seiya
- 3P053 Multichromophoric photochromic nanoparticles for the application of multi-color fluorescent modulation (Kumamoto Univ.) ○ISHIDA, Sanae • KIM, Sunnam • OGATA, Tomonari • KURIHARA, Seiji • FUKAMINATO, Tsuyoshi
- 3P054 Fluorescence photoswitching of diarylethene nanoparticles having perylenebisimide fluorophores (Kumamoto Univ.) ○DEGUCHI, Sei • ISHIDA, Sanae • KIM, Sunnam • OGATA, Tomonari • KURIHARA, Seiji • FUKAMINATO, Tsuyoshi
- 3P055 Oxidative cycloreversion reaction of photochromic terarylenes on quantum dot surface (Nara Inst. Sci. Tech.) ○YAMAMOTO, Hajime • ASATO, Ryosuke • MIZUTSU, Ryo • JAN PATRICK, Calupitan • NAKASHIMA, Takuya • KAWAI, Tsuyoshi

- 3P056 Photochromism of Diphenyl Sulfide-Bridged Phenoxy-Imidazolyl Radical Complex (Aoyama Gakuin Univ.) ○NISHIJIMA, Moe • MUTOH, Katsuya • ABE, Jiro
- 3P057 Control of the molecular orientation with external stimuli in azobenzene liquid crystalline polymer nanoparticles (Kumamoto Univ.) ○MATSUMOTO, Yuka • KIM, Sunnam • OGATA, Tomonari • KURIHARA, Seiji • FUKAMINATO, Tsuyoshi
- 3P058 Photoinduced shape changes of mixed molecular glass particles containing azobenzene-based photochromic amorphous molecular materials fixed in agar gel (Muroran Inst. Tech.) ○UKAI, Hiroyasu • ICHIKAWA, Ryota • KITANO, Ayame • NAKANO, Hideyuki
- 3P059 Influence of carrier localization at the core/shell interface on photoluminescence properties of CdTe/CdS type-II quantum dots (Osaka City Univ.) ○LEE, Yong-Shin • WATANABE, Taichi • KIM, DaeGwi
- 3P060 Optical properties of CdTe quantum-dot superlattices fabricated by self-assembly via electrostatic interactions (Osaka City Univ.) ○YAMAMOTO, Kosuke • WATANABE, Taichi • KIM, DaeGwi
- 3P061 Hydrothermal synthesis of ZnSe-ZnS alloy quantum dots and their optical properties (Osaka City Univ.) ○KUNIMASA, Yuki • NISHIMURA, Hisaaki • KIM, DaeGwi
- 3P062 Preparation and optical properties of type-I and type-II CdTe quantum dots (Osaka City Univ.) ○TAKAOKA, Shunsuke • ITOH, Tatsuya • KIM, DaeGwi
- 3P063 Photochemical Properties of AgInS₂ Nanoparticles Prepared in Periodic Mesoporous Organosilica (¹Nagoya Univ. • ²Osaka Univ.) ○HIRANE, Tatsuya¹ • KAMEYAMA, Tatsuya¹ • KUWABATA, Susumu² • TORIMOTO, Tsukasa¹
- 3P064 Elucidation of luminescence mechanism by time resolved spectroscopic measurement of CsPbBr₃ perovskite nanoparticles (¹Tokushima Univ. • ²NTUST) ○MORI, Koki¹ • FURUBE, Akihiro¹ • CHEN, Shih-Hsuan² • CHEN, Liang-Yih²
- 3P065 Measurement and simulation of two-photon absorption spectrum of pyrrole-extended boron diketone complexes (¹AIST • ²Kwansei Gakuin Univ. • ³Yamagata Univ. • ⁴Ritsumeikan Univ.) ○KITA, Hanayo^{1,2} • YAMAKADO, Ryohei³ • HAKETA, Yohei⁴ • MAEDA, Hiromitsu⁴ • KAMADA, Kenji^{1,2}
- 3P066 Coordination nanosheets based on terpyridine-zinc(II) complexes: as photoactive host materials (¹The Univ. Tokyo • ²Seikei Univ.) ○TSUKAMOTO, Takamasa¹ • TAKADA, Kenji¹ • SAKAMOTO, Ryota¹ • MATSUOKA, Ryota¹ • TOYODA, Ryojun¹ • MAEDA, Hiroaki¹ • YAGI, Toshiki¹ • NISHIKAWA, Michihiro² • TSUBOMURA, Taro² • NISHIHARA, Hiroshi¹
- 3P067 Synthesis and properties of deep-blue phosphorescent iridium complexes (¹Josai University • ²AIST) ○WAKATSUKI, Daisuke¹ • MUROGA, Masaki¹ • TAKEI, Miku¹ • HASHIMOTO, Masashi¹ • KONNO, Hideo² • KOIKE, Kazuhide²
- 3P068 Evaluation of carrier lifetime and photocatalytic properties of laser-ablated silver phosphate (¹Tokushima Univ. • ²C-MET) ○OHARA, Tomoya¹ • KOINKAR, Pankaj¹ • FURUBE, Akihiro¹ • KALE, Bharat² • PATIL, R. Deepak²
- 3P069 (non)
- 3P070 Chlorin-indoline dyad for photocatalytic hydrogen evolution (¹Nagahama Inst. Bio-Sci. Tech. • ²Jilin Univ. • ³Ritsumeikan Univ.) ○SAKAI, Kotowa¹ • SUN, Yuan² • WANG, Xiao-Feng² • TAMIYAKI, Hitoshi³ • IKEUCHI, Toshitaka¹ • SASAKI, Shin-ichi^{1,3}
- 3P071 (non)

- 3P072 Photo-induced reactions of isoquinolines and isoquinoline oxides with tetra-coordinate organoboron reagents (Shimane Univ.) ○NISHIGAICHI, Yutaka · OHTANI, Takuya · YAMAGUCHI, Naoto
- 3P073 Photo-triggered phase transition of salicylidenenaphthylethylamine crystal (¹Waseda Univ. · ²Rigaku Corp.) ○TANIGUCHI, Takuya¹ · SATO, Hiroyasu² · ASAHI, Toru¹ · KOSHIMA, Hideko¹
- 3P074 Chirality control in crystal growth using chiral optical vortex (Chiba Univ.) ○SAITO, Rei · UEMURA, Naohiro · ISHIKAWA, Hiroki · YOSHIDA, Yasushi · MINO Takashi · OMATSU, Takashige · SAKAMOTO, Masami
- 3P075 Complexation behaviors and crystal structures of PET fluoroionophores (Hokkai-Gakuen Univ.) ○KUBO, Kanji
- 3P076 Photochemical properties and electron injection of water-soluble porphyrin on titania nanosheets (¹Tokyo Metropolitan Univ.) ○HARA, Junpei · SHIMADA, Tetsuya · ISHIDA, Tamao · TAKAGI, Shinsuke¹3P077 Intramolecular singlet fission realized with novel tetracene dyad (¹Osaka Pref. Univ. · ²Kobe Univ. · ³Unisoku) ○KAWAOKA, Shuhei¹ · MATSUI, Yasunori¹ · NAGASHIMA, Hiroki² · NAKAGAWA, Tatsuo³ · OKAMURA, Naoki¹ · OHTA, Eisuke¹ · YAGI, Shigeyuki¹ · KOBORI, Yasuhiro² · IKEDA, Hiroshi¹
- 3P078 Fluorescence properties and the pH response of phosphorous porphyrin complexes containing axial amino groups (Univ. of Miyazaki) ○UEZONO, Hidekazu · MATSUMOTO, Jin · SHIRAGAMI, Tsutomu
- 3P079 Effects on TiO₂ crystal forms upon enantioselective photohydrogenation of aromatic ketones (¹Hyogo Univ. · ²Hokkaido Univ.) ○KOHTANI, Shigeru¹ · SUMI, Momono¹ · OGURA, Maharu¹ · KAWASHIMA, Akira¹ · YOSHIOKA, Eito¹ · KITAGAWA, Yuichi² · HASEGAWA, Yasuchika² · MIYABE, Hideto¹
- 3P080 Interaction of Lysozyme with Diacidic Dithienylethenes (¹Kitasato Univ. · ²Tokyo Inst. Tech.) ○KIRIHATA, Takahiro¹ · KAZUMI, Toshiki¹ · INADA, Taeko¹ · FUJII, Masaaki²
- 3P081 Metal-ion effect on fluorescence of pyrene aggregates constructed on DNA duplexes (Univ. of Hyogo) ○NAKAMURA, Mitsunobu · TAKADA, Tadao · YAMANA, Kazushige
- 3P082 Solvent effects on fluorescence properties of 3-(2-benzothiazolyl)coumarin derivatives having a nitro group (The Univ. of Tokyo) ○IKUTA, Naoya · TAKIZAWA, Shin-ya · MURATA, Shigeru
- 3P083 Photodegradation of environmental mutagens and DNA-photocleavage by xanthene dyes through LED-light irradiation (Okayama Univ. Sci.) URA, Nobumitsu · MIYAGI, Hideki · INOBUCHI, Masahiko · ODO, Junichi
- 3P084 Substituent effects of amide groups on ESIPT fluorescence properties of 3-amido-substituted phthalimides (¹Okayama Univ. · ²Gunma Univ.) ○ITANI, Kazumasa¹ · YAMAJI, Minoru² · OKAMOTO, Hideki¹
- 3P085 Application of water soluble *N*-Heteroarene to fluorescent bioimaging and DNA photo-cleavage (Tokushima Univ.) ○TANIGAWA, Jun-ichi · YAGISHITA, Fumitoshi · NII, Chiho · TABATA, Atsushi · NAGAMUNE, Hideaki · IMADA, Yasushi · KAWAMURA, Yasuhiko
- 3P086 Change of chirality in photochromism based on 6π-electrocyclization of binaphthyl derivative (Yokohama Nat. Univ.) ○IIYOSHI, Yuichi · KATO, Ryuji · FURUYA, Masaki · UBUKATA, Takashi
- 3P087 Photochromism of C2 and C3 connected bisthienylethenes in human serum albumin (Yokohama National Univ.) ○NITTA, Aki · NAKAGAWA, Tetsuya · YOKOYAMA, Yasushi

- 3P088 Mechanochromic luminescence of hetero-atom containing tetraaryl compounds without aggregation-induced emission properties (Yokohama National Univ.) ○NAGAI, Sayaka • UBUKATA, Takashi • ASAMI, Masatoshi • ITO, Suguru
- 3P089 Mechanistic study on the solid-state emission enhancement of a rigid π -conjugated molecule without any rotatable substituents (Osaka Univ.) ○TANI, Yosuke • OGAWA Takuji
- 3P090 Synthesis and photochromism of diarylethenes possessing an electron-withdrawing group and an electron-donating group on each ring-closing carbon atom (Yokohama National Univ.) ○YAMASHITA, Sho • NAKAGAWA, Tetsuya • YOKOYAMA, Yasushi
- 3P091 Synthesis and photochromism of a diarylethene with an aza-crown ether on the side chain (II) (Yokohama National Univ.) ○TAKEGUCHI, Ayaka • NAKAGAWA, Tetsuya • KIKUCHI, Azusa • YOKOYAMA, Yasushi
- 3P092 Synthesis and chemiluminescence properties of dioxetanes with the acridine moieties (Univ. of Electro-Commun.) ○AZUMA, Shun • KOURA, Fumiya • MAKI, Shojiro • HIRANO, Takashi
- 3P093 Multicolor mechanochromic luminescence of donor-acceptor fluorescent dyes bearing formyl groups (¹Nat. Inst. Tech., Kurume Col. • ²Kyushu Univ.) ○TANAKA, Honoka¹ • DAFIN, Christopor¹ • MATSUMOTO, Taisuke² • ISHI-I, Tsutomu¹
- 3P094 Synthesis of 1,8-bis(pyren-1-ylethynyl)biphenylene and its intramolecular excimer emission (Kanazawa Univ.) ○NAKADA, Rikako • MATSUNO, Yu • HAMAZUKA, Akinobu • FURUYAMA, Taniyuki • SEGI, Masahito • MAEDA, Hajime
- 3P095 Syntheses and photophysical properties of near-infrared emitting organic xanthene dyes with expanded π -conjugation (Okayama Univ.) ○KUTSUNA, Misa • KAMINO, Shinichiro • TANIOKA, Masaru • SAWADA, Daisuke
- 3P096 Photochemical synthesis of extremely π -extended phenacenes and their electronic spectral features (¹Okayama Univ. • ²NARD Institute • ³Gunma Univ.) ○OKAMOTO, Hideki¹ • KUBOZONO, Yoshihiro¹ • HAMAOKA, Shino¹ • GOHDA, Shin² • SUGINO, Hisako² • YAMAJI, Minoru³
- 3P097 Preparation of Amino-substituted 1,8-Naphthalimide Derivatives and Their Fluorescence Properties (¹Okayama Univ. • ²Gunma Univ.) ○WANG, Lei¹ • YAMAJI, Minoru² • OKAMOTO, Hideki¹
- 3P098 Synthesis of photo-sensitized diketone ligands from anthracene derivatives (Tokyo Univ. of Sci.) ○KASHIWAGI, Sota • YUASA, Junpei
- 3P099 Synthesis and the photosensitizing effects of the phlorin and chlorin complexes by hydrogenation of phosphorous porphyrin complexes (Univ. of Miyazaki) ○SATO, Kana • MATSUMOTO, Jin • SHIRAGAMI, Tsutomu
- 3P100 Synthesis and Fluorescence Properties of Macrocycles Containing Highly Twisted Bis(*N,N*-dialkylamino)arenes (Tokyo Tech.) ○IKEDA, Keisuke • OIZUMI, Tomohisa • KONISHI, Gen-ichi
- 3P101 Synthesis of chiral face-to-face polycyclic aromatic dimer and study of photo-excited state properties/dynamics using the time resolved spectroscopy (Tohoku Univ.) ○MIURA, Yuta • ARAKI, Yasuyuki • KURONUMA, Makoto • NISHIJIMA, Masaki • WADA, Takehiko