

Day 3 (September 12 Thursday 15:20-)
Poster Presentation

- 3P001** Circularly polarized luminescence (CPL) from chiral peptide-Eu (III) hybridised luminophore (¹Kindai Univ. · ²ORIST) ○YOSHIKAWA, Hiroki¹ · MIMURA, Yuki¹ · MOTOMURA, Yuki¹ · SHIZUMA, Motohiro² · KITAMATSU, Mizuki¹ · IMAI, Yoshitane¹
- 3P002** Synthetic Studies on Flapping Mechanophores for Single-Molecule Fluorescence Spectroscopy (¹Kyoto Univ.) ○YAMAKADO, Takuya¹ · OSUKA, Atsuhiko¹ · SAITO, Shohei¹
- 3P003** Synthesis of photoresponsive polymer using modified cucurbit [6] uril (¹Shibaura Institute of Tech) ○MINO, Masatomo³⁴
- 3P004** Synthesis of D- π -A type imidazo[1,2-a]pyridinium salts for the selective visualization of mitochondria (¹Department of Applied Chemistry, Graduate School of Technology, Industrial and Social Sciences, Tokushima Univ. · ²Department of Bioscience and Bioindustry, Graduate School of Technology, Industrial and Social Sciences, Tokushima Univ. · ³Institution of Post-LED Photonics, Tokushima Univ.) YAGISHITA, Fumitoshi¹ · ○UMEBAYASHI, Ryuta¹ · OKAMOTO, Masaki¹ · TABATA, Atsushi² · NAGAMUNE, Hideaki² · TAKANARI, Hiroki³ · IMADA, Yasushi¹ · KAWAMURA, Yasuhiko¹
- 3P005** Aggregation induced emission from tetraphenylethene aggregates on DNA duplexes (¹Univ. of Hyogo) MATSUI, Yuki¹ · ○NAKAMURA, Mitsunobu¹ · TAKADA, Tadao¹ · YAMANA, Kazushige¹
- 3P006** Design and synthesis of an environmentally sensitive fluorescent 3-deaza-2'-deoxyguanosine derivative: Detection of cytosine by monitoring the DNA minor groove (¹Nihon Univ. Graduate School of Engineering) ○KOBOKU, Shoutoku¹ · YANAGI, Masaki · SUZUKI, Azusa · SAITO, Yoshio
- 3P007** Effective conjugate of pi-extended porphyrin/drug delivery carrier for near-infrared cancer phototherapy (¹RIES, Hokkaido Univ. · ²Dept. Pharmaceutical Sci., Hokkaido Univ.) ○Takano, Yuta¹ · Satrialdi,² · Munechika, Reina² · Harashima, Hideyoshi² · Yamada, Yuma² · Biju, Vasudevanpillai¹
- 3P008** Hydrogen production in a flow microreactor consisting of Pt/TiO₂ photocatalyst using maltose as a sacrificial reagent (¹Nat.Inst. of Tech., Miyakonojo Coll.) ○YAMAGUCHI, Aoi¹ · YAMASHITA, Toshiaki¹
- 3P009** Divergence in Photoredox Reaction: Radical Addition of α -Bromo Nitroalkanes to Styrene Derivatives (¹Graduate School of Engineering, Nagoya Univ. · ²WPI-ITbM, Nagoya Univ.) ○TSUCHIYA, Yuto¹ · ONAI, Ryota¹ · URAGUCHI, Daisuke¹ · OOI, Takashi^{1,2}
- 3P010** 欠番
- 3P011** Design and synthesis of novel a fluorescent diarylethene molecule (¹Ryukoku Univ. · ²JASRI · ³Tokyo Univ. · ⁴TUPLS · ⁵RIKEN) ○KONO, Luna¹ · NAKAGAWA, Yuma¹ · FUJIMOTO, Ayako¹ · YASUDA, Nobuhiro² · HATTORI, Youhei¹ · MUTAI, Tosiki³ · YOKOJIMA, Satoshi⁴ · NAKAMURA, Shinichiro⁵ · UCHIDA, Kingo¹
- 3P012** Dual Wettability on Diarylethene Microcrystalline Surface Mimicking a Termite Wing (¹Ryukoku Univ. · ²Asahikawa Medical Univ. · ³Tokyo Univ. of Pharmacy and Life Sciences · ⁴RIKEN) ○NISHIMURA, Ryo¹ · MAYAMA, Hiroyuki² · YOKOJIMA, Satoshi³ · NAKAMURA, Shinichiro⁴ · UCHIDA, Kingo¹
- 3P013** Stepwise Two-Photon-Induced Photochromism of Rhodamine Derivatives (¹Coll. Life Sci., Ritsumaikan Univ. · ²Sch. Sci. Eng., Aoyama Gakuin Univ.) ○TSUJI, Kanna¹ · MUTOH, Katsuya² · ABE, Jiro² · KOBAYASHI, Yoichi¹
- 3P014** Photochromic metal complexation of spiropyran: chelation by thermal reaction (¹Graduated School of Life Sciences Ritsumeikan Univ.) ○KASAI, Yusuke¹ · TANI, Shuntaro¹ · NAGASAWA, Yutaka¹

- 3P015** Study of measurement protocol in round robin test for perovskite solar cells (¹Kanagawa Inst. of Ind. Sci. and Tec.) ○AOKI, Daisuke¹ · ANDO, Keita¹ · SAITO, Hidenori¹ · MAGAINO, Shinichi¹
- 3P016** Ultralong lifetime organic phosphorescence in host materials for OLEDs (¹Chiba Univ. Grad. Sch. Sci. Eng.) ○SASAKI, Yuka¹ · NODA, Seigi¹ · YAMADA, Masaru¹ · TANIGUCHI, Tatsu¹ · KARATSU, Takashi¹
- 3P017** Crystalline-state chemiluminescence property of 1,2-dioxetane derivatives with an acridine moiety (¹The Univ. of Electro-Communications · ²Tokyo Tech) ○KOURA, Fumiya¹ · MATSUHASHI, chihiro¹ · UEKUSA, Hidediro² · MAKI, Shojiro¹ · HIRANO, Takashi¹
- 3P018** Crystallization-Induced Emission of Azobenzene Derivatives (¹Kwansei Gakuin Univ. Department of Applied Chemistry for Environment) ○YOKOYAMA, Kosuke¹ · YAMAUCHI, Mitsuaki¹ · MASUO, Sadahiro¹
- 3P019** Crystalline-state chemiluminescence property of 1,2-dioxetanes with a phenacene side-chain accompanied with energy transfer (¹The Univ. of Electro-Communications · ²Gunma Univ. · ³Tokyo Tech) ○ISHITANI, Kaoru¹ · MATSUHASHI, Chihiro¹ · YAMAJI, Minoru² · UEKUSA, Hidehiro³ · HIRANO, Takashi¹
- 3P020** Crystal structure and ESIPT luminescence properties of fused imidazoles having intramolecular hydrogen-bonding 7-membered ring (¹Institute of Industrial Science, the Univ. of Tokyo) ○MUTAI, Toshiki¹ · SUZUKI, Rikuto¹ · YOSHIKAWA, Isao¹ · HOUJOU, Hirohiko¹ · KUDO, Kazuaki¹
- 3P021** The concentration effect of dihexyl-heterocoerdianthrone on the formation of single-walled carbon nanotube supramolecular complexes and photo-aggregation behavior. (¹Grad. Sch. Sci. Eng., Chiba Univ.) ○KAKUGAWA, Keiju¹ · TAKAHARA, Shigeru¹
- 3P022** 欠番
- 3P023** Study on the reaction mechanism of firefly bioluminescence with structurally modified luciferins (¹Univ. of Electro-Comm.) ○ITO, Shinichi¹ · MAKI, Shojiro¹ · HIRANO, Takashi¹
- 3P024** Photoelectrochemical Properties of Antimonene Single Component Films and Antimonene-Fullerene Composite Films (¹Graduate School of Engineering, Kyoto Univ. · ²iCeMS, Kyoto Univ.) ○OHARA, Tomoya¹ · UMEYAMA, Tomokazu¹ · IMAHORI, Hiroshi^{1,2}
- 3P025** Synthesis of DA-type perylene dyad and its application for organic thin-film solar cell (¹Shizuoka Univ. · ²Inst. for Mol. Sci.) FUJIMOTO, Keisuke¹ · ○ARIKAI, Yusaku¹ · IZAWA, Seiichiro² · HIRAMOTO, Masahiro² · TAKAHASHI, Masaki¹
- 3P026** Evaluation of the power generation performance for photovoltaic under the indoor lighting equipment (¹Kanagawa Inst. of Ind. Sci. and Tec. · ²Res. Association Tec. Innovation of Organic Photovoltaics) ○SAITO, Hidenori¹ · AOKI, Daisuke¹ · MAGAINO, Shinichi¹ · TAKAGI, Katsuhiko²
- 3P027** Porphyrin Sensitizer with a Thiazolocatechol Anchoring Group for Dye-Sensitized Solar Cells (¹Graduate School of Engineering, Kyoto Univ. · ²WPI-iCeMS, Kyoto Univ.) ○IIYAMA, Hitomi¹ · HIGASHINO, Tomohiro¹ · IMAHORI, Hiroshi^{1,2}
- 3P028** Development of Non-fullerene Acceptor Containing Thienoazacoronene Unit and Its Application to Polymer Solar Cells (¹Graduate School of Engineering, Kyoto Univ. · ²WPI-iCeMS, Kyoto Univ.) SASADA, Daiki¹ · IGARASHI, Kensho¹ · UMEYAMA, Tomokazu¹ · TAMAI, Yasunari¹ · OHKITA, Hideo¹ · ○IMAHORI, Hiroshi^{1,2}
- 3P029** A solvent effect of emissive tautomer of a pyrenyl urea derivative involved in the excited state intermolecular proton transfer reaction (¹Graduate School of Pure and Applied Sciences, Univ. of Tsukuba · ²Faculty of Pure and Applied Sciences, Univ. of Tsukuba) ○YOSHIDA, Mayu¹ · NISHIMURA, Yoshinobu²
- 3P030** Substitution Effect on Emissive Tautomer Formation of Fluoranthene-Urea Compounds (¹Graduate School of Pure and Applied Sciences, Univ. of Tsukuba · ²Faculty of Pure and Applied Sciences, Univ. of Tsukuba) ○OKADA, Mahiro¹ · NISHIMURA, Yoshinobu²
- 3P031** Synthesis of highly water-soluble thiochromone-type photolabile protecting groups and evaluation of their photodeprotection ability in aqueous media (¹Nara Institute of Science and Technology (NAIST)) ○YANAGITA, Hayato¹ · MORIMOTO, Tsumoru¹ · KAKIUCHI, Kiyomi¹
- 3P032** Fluorescence and Photoreactions of Compounds That Connect Pyrene and Alkenes by Oligoethylene Glycol Tethers (¹Graduate School of Natural Science and Technology, Kanazawa Univ.) ○MATSUBARA, Ryotaro¹ · FURUYAMA, Taniyuki¹ · SEGI, Masahito¹ · MAEDA, Hajime¹
- 3P033** Intramolecular Photocycloaddition Reactions of 2-Cyano-3-oxaalkenylnaphthalenes (¹Graduate School of

Natural Science and Technology, Kanazawa Univ.) OYANAGIMOTO, Masaya¹ · FURUYAMA, Taniyuki¹ · SEGI, Masahito¹ · MAEDA, Hajime¹

- 3P034** Optimization and Longer Wavelength Shift of Intramolecular Excimer Emission by Controlling the Parallel Structure of Two Pyrenes (¹Graduate School of Natural Science and Technology, Kanazawa Univ.) ONAKADA, Rikako¹ · MATSUNO, Yu¹ · HAMAZUKA, Akinobu¹ · FURUYAMA, Taniyuki¹ · SEGI, Masahito¹ · MAEDA, Hajime¹
- 3P035** Synthesis of C2-Symmetric Pentacycle and Its Chiroptical property (¹Graduate School of Technology, Industrial and Social Sciences, Tokushima Univ. · ²Institute of Post-LED Photonics, Tokushima Univ.) YAGISHITA, Fumitoshi^{1,2} · OHOSHI, Keita¹ · HASHIZUME, Hirokazu¹ · KAWAMURA, Yasuhiko¹
- 3P036** Photochemical Indole Ring Formation from Sulfonamide Derivatives (¹Okayama Univ. of Science) OWAKAMATSU, Kan¹ · SAKAGUCHI, Minato¹ · MAEDA, Naoya¹ · NAKAMOTO, Taiki¹ · YAMADA, Haruo¹
- 3P037** FRET-Based Oligosaccharide Sensing in Aqueous Media Using Donor and Acceptor Reporters-Curdlan Conjugates (¹Dept. Chem., Tokyo Tech · ²JST-PRESTO) ORYOSON, Yuma¹ · FUKUHARA, Gaku²
- 3P038** Ethynylpyrene-Benzocrown Ether Linked Molecules as Fluorescence Sensors for Recognition of Metal Ions (¹Graduate School of Natural Science and Technology, Kanazawa Univ.) OHASHIMOTO, Haruna¹ · TANAKA, Kazuhiro¹ · ARATANI, Mona¹ · FURUYAMA, Taniyuki¹ · SEGI, Masahito¹ · MAEDA, Hajime¹
- 3P039** Synthesis and Fluorescence Property of Diethenylpyrrole Possessing Carbazole Tethers (¹Kochi Univ. of Technology) OBONKOHARA, Atsushi¹ · YOKOYAMA, Soichi¹ · NISHIWAKI, Nagatoshi¹
- 3P040** Study on the wavelength modulation mechanism of firefly bioluminescence: fluorescence property of the enol-form of oxyluciferin (¹The Univ. of Electro-Communications · ²Gunma Univ.) OHIRAGA, Shiori¹ · YAMAJI, Minoru² · MAKI, Shojiro¹ · HIRANO, Takashi¹
- 3P041** Ultrafast Electron Transfer Reaction of a Pyrene-Biphenyl System Driven by Multiphoton Absorption (¹Osaka Univ.) OKAWAKAMI, Tomomi¹ · KOGA, Masafumi¹ · SOTOME, Hikaru¹ · MIYASAKA, Hiroshi¹
- 3P042** Synthesis and properties of poly(2-oxazoline)s with AIE-active Bis(N,N-dialkylamino)anthracenes (¹Tokyo Tech) OMIYATA, Yuto¹ · NISHIWAKI, Rihito¹ · KONISHI, Gen-ichi¹
- 3P043** Radical addition of carboxylic acids to dehydroamino acids via photoinduced decarboxylation (¹Univ. of Fukui · ²Univ. of Fukui) OASANO, Akiko¹ · YOSHIMI, Yasuharu² · YAMAWAKI, Mugen²
- 3P044** Addition to alkenes through generation of α -carbon radicals via radical cations of amide by photoinduced electron transfer (¹Univ. of Fukui) OMIYAGAWA, Hibiki¹ · YOSHIMI, Yasuharu¹
- 3P045** Controlled chiral photodimerization of anthracene derivative mediated by chaperonin (¹Tohoku Univ., IMRAM · ²Kanagawa Inst. of Tec.) ONISHIJIMA, Masaki¹ · KOBAYASHI, Kota² · ARAKI, Yasuyuki¹ · KOIKE, Ayumi² · WADA, Takehiko¹
- 3P046** Self-Aggregation of Amphiphilic Zinc Chlorin Dyads Possessing a Cross-Linked PEG Chain (¹Ryukoku Univ. · ²ritsumeikan Univ.) OARAKAWA, Yuji¹ · SASAKI, Fumika · TAMIYAKI, Hitoshi² · MIYATAKE, Tomohiro¹
- 3P047** Excited-State Dynamics and Chiroptical Properties of BODIPY Dimers Bridged by a Chiral Binaphthyl Linker (¹Keio Univ.) OTSUDA, Kento¹ · SAKAI, Hayato¹ · HASOBE, Taku¹
- 3P048** Synthesis of Bridged-Stilbene-based Dyes with AIE Properties (¹Grad. Sch. Mater. & Chem. Tech., Tokyo Tech) OIWAI, Riki¹ · KONISHI, Gen-ichi¹
- 3P049** Inherent Single-Electron Transfer to Lewis Acid and Its Catalytic Application to Carbon-Carbon Bond Formation (¹Graduate School of Engineering, Nagoya Univ. · ²WPI-ITbM, Nagoya Univ.) OARAMAKI, Yoshitaka¹ · IMAIZUMI, Naoki¹ · HOTTA, Mao¹ · OOI, Takashi^{1,2}
- 3P050** Preparation and Spectral Behavior of a Series of 2,3-Naphthalimide Derivatives Incorporated with Sulfonamido Functionality and Their Application to Probe for Metal Cations (¹Okayama Univ. · ²Gunma Univ.) OWANG, Lei¹ · FUJII, Mayu¹ · NAMBA, Misa¹ · YAMAJI, Minoru² · OKAMOTO, Hideki¹
- 3P051** DESIGN AND SYNTHESIS OF NEW TWO-PHOTON RESPONSIVE PHOTOLABILE PROTECTING GROUPs USING TRIPHENYLAMINE AND COUMARIN UNITS (¹Grad. Sch. Sci., Hiroshima Univ.) ONGUYEN, Ngoc Thanh Luan¹ · Abe, Manabu¹
- 3P052** Design, Synthesis and Photoproperties of Novel Caged Dopamine (¹Hiroshima Univ.) ONGUYEN, Hai Dang¹ · ABE, Manabu¹

- 3P053** Dye-sensitized hydrogen production reaction using dye / Rh-doped titania nanosheet complex (¹Tokyo Metropolitan Univ. · ²Research Center for Hydrogen-based Society · ³Research Center for Gold Chemistry) ○ONISHI, Ryota¹ · SANO, Keito¹ · SHIMADA, Tetsuya^{1,2} · ISHIDA, Tamao^{1,3} · TAKAGI, Shinsuke^{1,2}
- 3P054** Phosphorus-concentration dependence on the properties of phosphorus-doped titanium(IV) oxide (¹Fukuoka Univ. · ²Saga Univ.) ○YAMADA, Keiji^{1,2} · MIYAMOTO, Kohei¹ · WAKITA, Hisanobu^{1,2} · YAMAGUCHI, Toshio¹ · KURISAKI, Tsutomu¹
- 3P055** Light absorption properties and photocatalytic activities of lead titanium oxyfluorides (¹Tokyo Tech · ²JAIST · ³KINDAI Univ.) ○WAKAYAMA, Haruki¹ · KURIKI, Ryo¹ · ICHIBA, Tomohiro² · UCHIMURA, Keishu² · HONGO, Kenta² · MAEZONO, Ryo² · OKA, Kengo³ · MAEDA, Kazuhiko¹
- 3P056** Oxyhalide Bi₄NbO₈Cl Photoanodes for Efficient Water Splitting under Visible Light Irradiation (¹Department of Energy and Hydrocarbon Chemistry, Graduate School of Engineering, Kyoto Univ. · ²Division of Molecular Materials Science, Grad. Sch. Sci., Osaka City Univ. · ³Department of Applied Chemistry, Faculty of Science and Engineering, Chuo Univ.) ○KIMURA, Takuma¹ · HIGASHI, Masanobu² · NAKADA, Akinobu³ · TOMITA, Osamu¹ · ABE, Ryu¹
- 3P057** Charge carrier dynamics on strontium titanate (¹Grad. Sch. Eng., Toyota Technological Institute · ²Graduate School of Sciences and Technology for Innovation, Yamaguchi Univ.) ○KATO, Kosaku¹ · JIANG, Junzhe² · SAKATA, Yoshihisa² · YAMAKATA, Akira¹
- 3P058** Photochemical reaction acceleration in photonic crystal of semiconducting oxides (¹Graduate School of Engineering, Hiroshima Univ.) ○MATSUO, Shuhei¹ · MANDA, Takahiro¹ · KOMAGUCHI, Kenji¹ · OYAMA, Yousuke¹ · IMAE, Ichiro¹ · SADAKANE, Masahiro¹ · HAYAKAWA, Shinjiro¹
- 3P059** Photocatalyst design for selective oxidation of benzyl alcohol (¹Kyoto Institute of Tech) ○MATSUNAGA, Koji¹ · OHONO, Teruhisa¹
- 3P060** Dye-sensitized H₂ evolution over hybrids photocatalyst of Ru complexes and a layered niobate (¹Kyoto Univ. · ²Chuo Univ.) ○KONDO, Tomoki¹ · NAKADA, Akinobu² · TOMITA, Osamu¹ · ABE, Ryu¹
- 3P061** Synthesis, Photoluminescence and Photocatalytic Properties of Lanthanide Fluoride Nanoparticles in Various Charge States (¹Hyogo Univ. of Health Sciences) ○KAWASHIMA, Akira¹ · IWAMOTO, Maho¹ · KIHARA, Aya¹ · MIYABE, Hideto¹ · KOHTANI, Shigeru¹
- 3P062** Fluence dependence of multiphoton reduction of Eu(III) via f-f transition (¹Japan Atomic Energy Agency · ²Osaka City Univ. · ³Institute for Laser Technology) ○MATSUDA, Shohei¹ · NAKASHIMA, Nobuaki^{2,3} · YOKOYAMA, Keiichi¹ · YATSUHASHI, Tomoyuki² · CHOSROWJAN, Haik³ · TANIGUCHI, Seiji³ · SOMEKAWA, Toshihiro³
- 3P063** Precise Synthesis and Characterization of Photophysical Properties of Perylene Diimide Ligand Modified Metal Cluster (¹Grad. Sch. Sci., Rikkyo Univ. · ²Grad. Sch. Sci., Shizuoka Univ.) ○KOBAYASHI, Yuki¹ · YOSHINAMI, Takumi² · NIIHORI, Yoshiki¹ · KOBAYASHI, Kenji² · MITSUI, Masaaki¹
- 3P064** Fluorescence Imaging of Stimulus Induced-Structural Changes of Mechanochromic Dyes (¹Kobe Univ. Grad. Sch. Sci. · ²Yokohama National Univ. Graduate School of Engineering · ³Mol. PhotoSci. Res. Center) ○YAMASHITA, Maho¹ · NAGAI, Sayaka · ITO, Suguru² · TACHIKAWA, Takashi^{1,3}
- 3P065** Observation of the fluorescence microscopy image by super resolution microscopy with etched two-color phase plates. (¹NTT Advanced Technology Corp. · ²Kitasato Univ. · ³Budapest Univ. of Tech. Economics · ⁴Olympus Corp.) ○NAGAI, Koumei¹ · MARUYAMA, Takashi¹ · KODAIRA, Akira¹ · KUMAGAI, Hiroshi² · NANDOR, Bokor³ · IKETAKI, Yoshinori^{2,4}
- 3P066** Magnetic field effect fluorescence microscopy for in vivo and anisotropic field measurements on flavin based radical pairs (¹Grad. Sch. Arts and Sci., The Univ. of Tokyo) ○IKEYA, Noboru¹ · WOODWARD, Jonathan¹
- 3P067** Single-molecule Fluorescence Spectroscopy of Fluorene-benzothiadiazole Conjugated Polymer (¹Kyoto Institute of Tech) ○KURIBAYASHI, Maki¹ · INUI, Moe¹ · MACHIDA, Sinjiro¹ · IKEDA, Noriaki¹
- 3P068** Microviscosity measurements of living cells and tissues using a fluorescent molecular rotor and a fluorescence lifetime imaging microscope (¹Gunma Univ.) ○SUZUKI, Yuika¹ · MARUYAMA, Ryo¹ · KATANO, Ayaka¹ · TOBITA, Seiji¹ · YOSHIHARA, Toshitada¹
- 3P069** The reaction center of green sulfur bacteria; Elucidation of primary dynamics of photosynthesis by femtosecond transient absorption spectroscopy (¹Graduate School of Life Sciences, Ritsumeikan Univ. · ²College of Life Sciences, Ritsumeikan Univ.) ○SUGIHARA, Keita¹ · HOASHI, Masataka² · AZAI, Chihiro² · NAGASAWA, Yutaka²

- 3P070** Energy transfer of LH2 introducing bacteriochlorophyll b (¹Ritsumeikan Univ. Lifesciences · ²Kindai Univ. Science-engineering) ○MASAOKA, Yuto¹ · HIDAOKA, Tsubasa¹ · YAMASHITA, Madoka² · SAGA, Yoshitaka² · NAGASAWA, Yutaka¹
- 3P071** Ultrafast dynamics of heme protein with DMSO (¹National Chiao-Tung Univ. · ²Kanagawa Univ. · ³Tokyo Univ. of Science · ⁴Univ. of Electro-Communications) ○YABUSHITA, Atsushi^{1,2} · KO, Ying-Kuan¹ · KOBAYASHI, Takayoshi^{1,2,3,4}
- 3P072** Temperature effect on geometries and charge recombination process of the primary photoinduced charge-separated state in PSII of spinach (¹Grad. Sch. Sci., Kobe Univ. · ²Mol. PhotoSci. Res. Center, Kobe Univ. · ³Grad. Sch. Sci., Nagoya Univ.) ○OZAKI, Kyosuke¹ · NAGASHIMA, Hiroki² · OYAMA, Shinya¹ · MINO, Hiroyuki³ · TACHIKAWA, Takashi^{1,2} · KOBORI, Yasuhiro^{1,2}
- 3P073** Observation of flavin based photochemical reactions in living cells under magnetic influence. (¹Grad. Sch. Arts and Sci., The Univ. of Tokyo) ○White, Martin¹ · Antil, Lewis² · Woodward, Jonathan³
- 3P074** Absorption spectra of bromide ion in adsorbed water layer on KBr crystal surface (¹College of Engineering, Nihon Univ.) ○MIZOI, Yuto¹ · KATOH, Ryuzi¹
- 3P075** Diffusion of Radical Ions in Ionic Liquids having Long Alkyl Chains (¹Saitama Univ.) TSUCHIDA, Hikaru¹ · ISHII, Yuya¹ · TAKEDA, Tomoya¹ · ○YAGO, Tomoaki¹ · WAKASA, Masanobu¹
- 3P076** The effects of the laser irradiations to various photocatalysis on the radical formation and decomposition (¹NIT, Nagaoka Coll. · ²Nagaoka Univ. of Technology) ○MURAKAMI, Yoshinori¹ · SAITO, Nobuo² · MURAYAMA, Rin¹ · LEE Kar, Mun¹
- 3P077** Site selective photoelectrochemical deposition of Pt on TiO₂-WO₃ hybrid and photocatalytic reactivity (¹Fac. Textile Sci. Tec., Shinshu Univ.) ○MORI, Masashi¹ · USAMI, Hisanao¹
- 3P078** Substituent effect of photochromic photoisomerization reaction of indigo derivatives (¹Graduate school of life sciences, Ritsumeikan Univ.) ○TANI, Shuntaro¹ · MASAOKA, Yuto¹ · HIDAOKA, Tsubasa¹ · SUGIHARA, Keita¹ · NAKAGAWA, Hirofumi¹ · NAGASAWA, Yutaka¹
- 3P079** Energy Transfer and Reaction Efficiency of Several CdSe Nanorods — Diarylethene Derivatives (¹Sch. of Sci. and Tec., Kwansei Gakuin Univ. · ²Department of Chemistry and Research Center for Smart Molecules, Rikkyo Univ.) ○SHIBAYAMA, Daiki¹ · KATAYAMA, Tetsuro · MORIMOTO, Masakazu² · IRIE, Masahiro² · TAMAI, Naoto¹
- 3P080** Enhancement of signal intensity of inverse photoelectron spectroscopy by grating-coupled surface plasmon resonance (¹Grad. Sch. Sci. Eng., Chiba Univ. · ²School of Science and Technology, Kwansei Gakuin Univ. · ³ Molecular Chirality Research Center, Chiba Univ.) ○SHIBATA, Koki¹ · TAWA, Keiko² · YOSHIDA, Hiroyuki^{1,3}
- 3P081** Investigation of light source for photoinduced crystallization of protein (¹Gunma Univ.) ○SATO, Tomohiko¹ · HORIUCHI, Hiroaki¹ · OKUTSU, Tetsuo¹
- 3P082** Fabrication and application for spectroscopic analysis of silver-gold mixed nanoparticles thin-film using liquid/liquid interfacial precipitation (¹Graduate school of engineering, The Univ. of Shiga Prefecture · ²School of engineering, The Univ. of Shiga Prefecture) ○KOYAMA, Natsuki¹ · AKIYAMA, Tsuyoshi² · OKU, Takeo²
- 3P083** Optical manipulation of thermoresponsive polymer assisted by optical heating of gold nanoparticles (¹Tokushima Univ. · ²Taiwan National Chao Tung Univ.) ○AIBARA, Issei¹ · FURUBE, Akihiro¹ · HASHIMOTO, Shuichi¹ · MASUHARA, Hiroshi²
- 3P084** Plasmon enhanced nonlinear optical responses of silver nanowire; Applications as point light source toward super-resolution spectroscopy (¹KU Leuven · ²Hokkaido Univ., RIES · ³Toray Research Center) ○TOYOUCHI, Shuichi¹ · WOLF, Mathias¹ · WALKE, Peter¹ · FRON, Edurad¹ · INOSE, Tomoko² · FUJITA, Yasuhiko³ · UJI-I, Hiroshi^{1,2}
- 3P085** Influence of particle density on modal strong coupling photonics properties between localized surface plasmon and Fabry-Pérot nanocavity modes (¹RIES, Hokkaido Univ. · ²Sch. Sci., Hokkaido Univ. · ³National Chiao Tung Univ.) ○LIU, Yen-En¹ · SHI, Xu¹ · SUN, Quan¹ · OSHIKIRI, Tomoya¹ · UENO, Kosei² · MISAWA, Hiroaki^{1,3}
- 3P086** Selective optical trapping of polystyrene nanospheres using Nano-structured Semiconductor-Assisted (NASSCA) Optical Tweezers (¹Osaka City Univ.) ○HASHIMOTO, Sayaka¹ · SHOJI, Tatsuya¹ · TSUBOI, Yasuyuki¹
- 3P087** Optical trapping of polystyrene beads at a liquid/liquid interface with optical tweezers (¹Osaka City Univ.) ○YAMANISHI, Daiki¹ · SHOJI, Tatsuya¹ · TSUBOI, Yasuyuki¹

- 3P088** The Role of Non-Radiative Relaxation on the Suppression of Superoxide Generation by Methylammonium Lead Iodide Perovskite (¹Grad. Sch. Environ. Sci., Hokkaido Univ. · ²RIES, Hokkaido Univ.) ○Chouhan, Lata^{1,2} · Ghimire, Sushant^{1,2} · Takano, Yuta^{1,2} · Yuyama, Ken-ichi^{1,2} · Biju, Vasudevanpillai^{1,2}
- 3P089** The effect of local environment on photoluminescence of single perovskite nanocrystals (¹Tokyo Tech · ²Maulana Azad National Inst. of Tec.) ○TOTSUKA, Masahiro¹ · SHARMA, Dharmendar Kumar² · VACHA, Martin¹
- 3P090** Impacts of molecular oxygen on exciton relaxation dynamics of CsPbBr₃ nanocrystals revealed by single-particle photoluminescent spectroscopy (¹Grad. Sch. Sci., Rikkyo Univ.) ○HONDA, Shugo¹ · NIIHORI, Yoshiki¹ · MITSUI, Masaaki¹
- 3P091** Photo-induced phase segregation in mixed halide organic-inorganic perovskites (¹Grad. Sch. Sci., Kobe Univ. · ²Mol. PhotoSci. Res. Center, Kobe Univ.) ○SAKAMOTO, Moeri¹ · KARIMATA, Izuru¹ · KOBORI, Yasuhiro^{1,2} · TACHIKAWA, Takashi^{1,2}
- 3P092** Direct observation of light-induced degradation process of single CsPbBr₃ perovskite quantum dots using AFM and single molecule spectroscopy (¹Department of Applied Chemistry for Environment, Grad. Sch. Sci. and Tech., Kwansai Univ.) ○DARMAWAN, Yoshua Albert¹ · YAMAUCHI, Mitsuaki¹ · MASUO, Sadahiro¹
- 3P093** Size-dependent Emission Behavior of MAPbBr₃ Perovskite Crystals (¹Department of Applied Chemistry for Environment Kwansai Gakuin Univ.) ○KUROSE, Toma¹ · YAMAUCHI, Mitsuaki¹ · MASUO, Sadahiro¹
- 3P094** Introduction of reduced-glutathione activatable function to a water-soluble silylporphyrin for tumor specific photosensitization. (¹Gunma Univ.) ○MUTO, Shingo¹ · HORIUCHI, Hiroaki¹ · OKUTSU, Tetsuo¹
- 3P095** Direct observation of charge-separation dynamics of dumbbell-shaped ZnS-AgInS₂ nanoparticle (¹Osaka Univ. · ²Nagoya Univ.) ○KOGA, Masafumi¹ · MASUOKA, Ko² · KOYAMA, Seiya² · ITO, Shoji¹ · TORIMOTO, Tsukasa² · MIYASAKA, Hiroshi¹
- 3P096** Construction of a pulsed-laser-based infrared reflection absorption spectroscopic (IRRAS) system and its comparison with a cw-light-based IRRAS system (¹Grad. Sch. Sci. Eng., Aoyama Gakuin Univ.) ○SUGIURA, Ryosuke¹ · OKAJIMA, Hajime¹ · SAKAMOTO, Akira¹
- 3P097** Femtosecond transient absorption study on methylacridone moieties in the framework of periodic mesoporous organosilica film (¹Toyota Central R&D Labs., Inc.) ○YAMANAKA, Ken-ichi¹ · GOTO, Yasutomu¹ · MAEGAWA, Yoshifumi¹ · INAGAKI, Shinji¹
- 3P098** Crystallization following evaporation by irradiation of 5-fs visible pulse laser (¹Kanagawa Univ.) ○IWAKURA, Izumi¹ · AKAI, Shoji¹ · ORISAKU, Keiko¹ · HASHIMOTO, Sena¹ · YABUSHITA, Atsushi¹
- 3P099** Development of a Stimulated Raman Spectrometer and Its Application to In Situ Structural Tracking of Molecular Assembly Processes in Solution (¹Osaka Univ.) ○SOTOME, Hikaru¹ · MORITA, Yusuke¹ · MIYASAKA, Hiroshi¹
- 3P100** Simultaneous fluorescence lifetime and transient absorption measurements on single instrument (¹Unisoku Co.,Ltd · ²Osaka Univ. · ³Nihon Univ.) ○YABUMOTO, Sohshi¹ · HANADA, Hiroaki¹ · OKAMOTO, Kido¹ · SUZUKI, Toshiaki¹ · SUENOBU, Tomoyoshi² · KATOH, Ryuzi³ · NAKAGAWA, Tatsuo¹
- 3P101** Photophysical properties of platinum(II) complexes and their application to biological oxygen probes. (¹Gunma Univ.) ○YOSHIKAWA, Takumi¹ · SAITO, Masaki¹ · YOSHIHARA, Toshitada¹ · TOBITA, Seiji¹
- 3P102** Development of highly bright and water soluble oxygen probes based on iridium complexes with coumarin ligands. (¹Gunma Univ.) ○TAKAHASHI, Yuuki¹ · YOSHIHARA, Toshitada¹ · SHIOZAKI, Shuichi¹ · MATSUMURA, Nao¹ · TOBITA, Seiji¹
- 3P103** Development of Ir(III) complexes based on coumarin derivatives as ligands and their application to in vivo oxygen imaging (¹Gunma Univ.) ○HIROSE, Tatsuya¹ · YOSHIHARA, Toshitada¹ · MIZUKAMI, Kiiti¹ · KATANO, Ayaka¹ · SHIOZAKI, Syuiti¹ · TOBITA, Seizi¹
- 3P104** Ultrafast excited state dynamics of copper(II) halide complexes (¹Graduate School of Life Sciences Ritsumeikan Univ.) ○HIDAKA, Tsubasa¹ · SUGIHARA, Keita¹ · MATSUMOTO, Akifumi¹ · NAGASAWA, Yutaka¹
- 3P105** Study of emission states of fac-Ir(ppy)₃ in vapor deposited films using high sensitivity transient absorption spectroscopy (¹Gra. Sch. Sci. Eng., Univ. of Toyama) ○NAKASHIMA, Takeshi¹ · IWAMURA, Munetaka¹ · NOZAKI, Koichi¹

- 3P106** Real-time monitoring of beta phase formation in single chains of polyfluorene (¹Tokyo Tech) ○TSENG, Tzu-wei¹ · NAKAMURA, Tomonori¹ · VACHA, Martin¹
- 3P107** Solvent Effect on Delayed Emission of BN Analogue of Cyclobutadiene (¹Grad. Sch. Sci. Tec., Niigata Univ. · ²Lab. for Chem. and Life Sci., Tokyo Tech) ○RYZHII, Ivan¹ · SHOJI, Yoshiaki² · MIURA, Tomoaki¹ · FUKUSHIMA, Takanori² · IKOMA, Tadaaki¹
- 3P108** Control of the emission photon statistics of a single CdSe/CdS quantum dot using Ag-coated AFM tip (¹Kwansei Gakuin Univ. Department of Applied Chemistry for Environment) ○NAKAGAWA, Takaki¹ · YAMAUCHI, Mitsuaki¹ · MASUO, Sadahiro¹
- 3P109** Verification of polarization-entangled photons in the emission from a single giant CdSe/CdS quantum dot (¹Department of Applied Chemistry for Environment, Kwansei Gakuin Univ.) ○HANASE, Yuki¹ · YAMAUCHI, Mitsuaki¹ · MASUO, Sadahiro¹
- 3P110** Improving Luminescence Quantum Yields and Unraveling Ultrafast Exciton Processes in ZnSe QDs (¹Sch. of Sci. and Tec., Kwansei Gakuin) ○TANABE, Yoko¹ · KATAYAMA, Tetsuro · EGUCHI, Daichi¹ · TAMAI, Naoto¹
- 3P111** Light-induced photomechanical response in liquid-crystalline polymers with photoswitchable glass transition temperatures (¹AIST)○Yue, Youfeng¹ · Azumi, Reiko¹ · Norikane, Yasuo¹
- 3P112** Luminescence color change of pyrene derivative by swelling effect of network polymer (¹Graduate School of Engineering, Chiba Univ.) ○MIURA, Haruka¹ · KOBAYASHI, Norihisa¹ · NAKAMURA, Kazuki¹
- 3P113** Photoalignment Control of Lamellar Structure Formed by Random Copolymers with Liquid Crystalline Azobenzene and Amorphous Graft Side Chains (¹Grad. Sch. of Eng., Nagoya Univ. · ²Nagoya Univ. Venture Business Laboratory) ○HIGASHI, Ryota¹ · HARA, Mitsuo¹ · NAGANO, Shusaku² · SEKI, Takahiro¹
- 3P114** Step- π -conjugated polymers (81) Photon harvesting by branched macromolecular wire (¹Kansai Univ. Fac. of Chem.) ○NOMURA, Eri¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹
- 3P115** Step- π -conjugated polymers (79) Distance dependence of the electron transfer rate in the system with a donor and an acceptor at the polymer chain terminal (¹Kansai Univ. Fac. of Chem.) ○IWAMURA, Koki¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹
- 3P116** Mg atom diffusion on the colored surface of a diarylethene film in selective metal-vapor deposition (¹Osaka Kyoiku Univ.) ISHIDA, Shoko¹ · ○TSUJIOKA, Tsuyoshi¹
- 3P117** Photomechanical behavior for diarylethene crystals with different size or morphology and diarylethene-nanoporous template composite (¹Osaka City Univ.) ○ISOBE, Mami¹ · KITAGAWA, Daichi¹ · KOBATAKE, Seiya¹
- 3P118** Substituent effect on photoswitching performance of turn-on mode fluorescent diarylethenes (¹Rikkyo Univ.) ○IWAI, Ryota¹ · MORIMOTO, Masakazu¹ · IRIE, Masahiro¹
- 3P119** Synthesis and photoresponsive performance of asymmetric fluorescent diarylethenes (¹Rikkyo Univ.) ○ISHIZEKI, Ayaka¹ · MORIMOTO, Masakazu¹ · IRIE, Masahiro¹
- 3P120** Synthesis of a fluorescent mechanophore based on photochromic dioxazolyethene (¹Rikkyo Univ.) ○ISHIKAWA, Keita¹ · MORIMOTO, Masakazu¹ · IRIE, Masahiro¹
- 3P121** Aromatic Effect on the Biradical Character of the Open-ring Isomer of Fast Photochromic Pentaarylimidazole (¹Aoyama Gakuin Univ.) ○NISHIJIMA, Moe¹ · MUTOH, Katsuya¹ · ABE, Jiro¹
- 3P122** Red-Light Induced Photoswitch of Phenoxy-Imidazolyl Radical Complex Showing Non-Linear Photoresponse Depending on Excitation Light Intensity (¹Aoyama Gakuin Univ.) ○MATSUURA, Keiki¹ · MUTOH, Katsuya¹ · ABE, Jiro¹
- 3P123** Enthalpy change of photochromic terarylenes upon photoisomerization. (¹Nara Institute of Science and Technology) ○SEKIGUCHI, Yuki¹ · ASATO, Ryosuke¹ · YAMADA, Mihoko¹ · NAKASHIMA, Takuya¹ · KAWAI, Tsuyoshi¹
- 3P124** Photo-induced bending motion of azobenzene/niobate layered hybrids (¹Univ. of Miyazaki) ○NABETANI, Yu¹ · MORITA, Akiyo¹ · SHIRAGAMI, Tsutomu¹
- 3P125** High isomerization sensitivity of amorphous azobenzene surface molecules (¹Osaka Kyoiku Univ. · ²Muroran Inst. Tech.) ○TAKEMOTO, Ikumi¹ · NAKANO, Hideyuki² · TSUJIOKA, Tsuyoshi¹
- 3P126** Investigation for photothermal phenomenon along with Mie resonance excitation in Cu₂O nanocrystals (core)/Pt (shell) hybrids (¹Grad. Sch. Sci. and Tech., Nihon Univ.) ○KANAKUBO, Kotomi¹ · DANNO,

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- 3P127** Photophysical property of optically-coupled porphyrin derivative-silver nanoprism hybrids (¹Nihon Univ.) OTAKESHIMA, Naoto¹ · SUGAWA, Kosuke¹ · OTSUKI, Joe¹
- 3P128** New color materials by light scattering from Mie resonances (¹Grad. sch. of eng., Nagoya Univ.) ONAOI, Yui¹ · TAKEOKA, Yukikazu¹ · SEKI, Takahiro¹
- 3P129** Synthesis and photoluminescence of gold nanoclusters directed by various proteins (¹ISIR, Osaka Univ. · ²Institute for Advanced Co-creation Studies, Osaka Univ.) OLIU, Zuoyue¹ · OSAKADA, Yasuko²
- 3P130** Enhancement of upconversion emission and change of threshold excitation intensity by electric field effect of plasmon (¹Nihon Univ.) OJIN, Shota¹ · TAKESHIMA, Naoto¹ · SUGAWA, Kosuke¹ · OTSUKI, Joe¹
- 3P131** Measurement of photoacoustic signals for writing inks excited by nanosecond pulsed laser (¹Forensic Sci. Lab., Metropolitan Police Dept. · ²Department of Chemistry and Biological Science, Aoyama Gakuin Univ.) OSUZUKI, Mototsugu^{1,2} · KASHIHARA, Wataru² · SUZUKI, Tadashi²
- 3P132** Remarkable enhancement of luminescent properties of chiral Eu(III) complex by interaction with alkylammonium ion. (¹Graduate School, Chiba Univ.) OMIYAZATO, Mayu¹ · NAKAMURA, Kazuki¹ · KOBAYASHI, Norihisa¹
- 3P133** Immobilization of phosphonic-acid-functionalized Pt(II) complexes on the surface of metal-oxide nanoparticles (¹Hokkaido Univ. · ²Hokkaido Univ.) OYAMAMOTO, Naotaka¹ · YOSHIDA, Masaki² · KOBAYASHI, Atsushi² · KATO, Masako²
- 3P134** Mechanochromism of Luminescent Gold(I) Isocyanide Complexes: Periodic-QM/MM Approach to Excited State in Crystal (¹Research Organization for Information Science and Technology (RIST) · ²Elements Strategy Initiative for Catalysts and Batteries (ESICB), Kyoto Univ. · ³Division of Applied Chemistry, Graduate School of Engineering, Hokkaido Univ.) OAONO, Shinji^{1,2} · SEKI, Tomohiro³ · ITO, Hajime³ · SAKAKI, Shigeyoshi^{1,2}
- 3P135** A highly efficient electroluminescence mechanism of phenoxazine-triphenyltriazine derivative in OLED: Fluorescence via higher triplets (¹Kyoto Univ. · ²FIFC, Kyoto Univ. · ³ESICB, Kyoto Univ.) OITO, Shunsuke¹ · UEJIMA, Motoyuki² · SATO, Tohru^{1,2,3}
- 3P136** Liquid crystal order and photo-alignment of hetero smectic lamellar structures introducing smectic E phase (¹Graduate School of Engineering, Nagoya Univ. · ²Nagoya Univ. Venture Business Laboratory) OSETA, Aoi¹ · HARA, Mitsuo¹ · NAGANO, Shusaku² · SEKI, Takahiro¹
- 3P137** Exciton Coupling in Bis(binaphthyl)-bridged imidazole dimer) (¹Aoyama Gakuin Univ.) OKUROIWA, Hayato¹ · INAGAKI, Yuki¹ · MUTOH, Katsuya¹ · ABE, Jiro¹
- 3P138** Step- π -conjugated polymers (78) Photoinduced energy transfer having donor and acceptor at termination (¹Kansai Univ. Fac. of Chem., Mater. and BioEng.) OAKAGI, Jun¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹
- 3P139** Synthesis and evaluation of reactive narrow-band-gap polymers for post-crosslinking (¹Kansai Univ. Faculty of Chemistry, Materials and Bioengineering) OGUO, Haoxuan¹ · AOTA, Hiroyuki¹
- 3P140** Step- π -conjugated polymers (80) Synthesis and photochemical behavior of structurally controlled A,B-Block type amphiphilic polymers by using pseudo-living addition-condensation polymerization (¹Kansai Univ. Fac. of Chem.) OKITAYAMA, Daisuke¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹
- 3P141** Effects of the Substituents and Central Metals on the Photosensitized Reactions of 5,15-Diazaporphyrin-Metal Complexes (¹Faculty of Science, Niigata Univ. · ²Grad. Sch. Sci. Tec., Niigata Univ.) OMATANO, Yoshihiro¹ · WATANABE, Takumi² · MIURA, Tomoaki¹ · IKOMA, Tadaaki¹
- 3P142** Step- π -conjugated polymers (82) Synthesis and properties of porphyrin-introduced macromolecular wire for the realization of artificial photosynthesis (¹Kansai Univ. Fac. of Chem., Mater. and BioEng.) OYAMA, Arata¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹
- 3P143** Step- π -conjugated polymers (83) Synthesis of hydrophilic A,B-Block macromolecular wire with different energy level to form a long-lived charge separation state and elucidation of photochemical behavior. (¹Kansai Univ. Faculty of Chemistry, Materials and Bioengineering) ONISHIMURA, Misa¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹
- 3P144** Step- π -conjugated polymers (84) Photoinduced electron transfer by amphiphilic macromolecular wire with different energy levels (¹Kansai Univ. Fac. of Chem.) OARAKAWA, Mae¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹
- 3P145** Step- π -conjugated polymers (85) Synthesis and photochemical behavior of macromolecular wires with

different energy levels and interaction with platinum (¹Kansai Univ. Fac. of Chem.) ○NAKAJIMA, Kenshiro¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹

3P146 Step- π -conjugated polymers (86) Synthesis and evaluation of macromolecular wire for application to storage device. (¹Kansai Univ. Fac. of Chem., Mater. and BioEng.) ○ASAI, Shingo¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹

3P147 Step- π -conjugated polymers (87) Synthesis of macromolecular wire with photosensitizer for multi-step electron transfer (¹Kansai Univ. Fac. of Chem.) ○FUKUSHIMA, Tomoki¹ · GUO, Haoxuan¹ · AOTA, Hiroyuki¹