

Day 1 (September 10 Tuesday 18:00–)  
Poster Presentation

- 1P001** Improvement of CPL properties of [5]helicenes Based on Expansion of Chiral Space (<sup>1</sup>Grad. Sch. Eng., Kyoto Univ. · <sup>2</sup>Inst. Chem. Res., Kyoto Univ.) OKUBO, Hiromu<sup>1</sup> · HIROSE, Takashi<sup>2</sup> · MATSUDA, Kenji<sup>1</sup>
- 1P002** Construction of supramolecular assemblies of propeller chiral molecules exhibiting circularly polarized luminescence (<sup>1</sup>Osaka Univ.) OKAWAKAMI, Kosei<sup>1</sup> · SHIGEMITSU, Hajime<sup>1</sup> · KAJIWARA, Rikuo<sup>1</sup> · MORI, Tadashi<sup>1</sup> · KIDA, Toshiyuki<sup>1</sup>
- 1P003** Synthesis and CPL evaluation of Face-to-Face chiral anthracene dimers (<sup>1</sup>Tohoku Univ. IMRAM · <sup>2</sup>Bordeaux Univ.) OKAKIZAKI, Tomonori<sup>1</sup> · YOSPANYA, Wijak<sup>1,2</sup> · KURONUMA, Makoto<sup>1</sup> · NISHIJIMA, Masaki<sup>1</sup> · ARAKI, Yasuyuki<sup>1</sup> · ODA, Reiko<sup>2</sup> · WADA, Takehiko<sup>1</sup>
- 1P004** Development of circularly polarized luminophore (CPL) based on paracyclophane. (<sup>1</sup>Graduate School of science and Engineering, Kindai Univ. · <sup>2</sup>ORIST · <sup>3</sup>NIMS · <sup>4</sup>TDU) OHARA, Nobuyuki<sup>1</sup> · TANIGUCHI, Ayano<sup>1</sup> · SHIZUMA, Motohiro<sup>2</sup> · TAJIMA, Nobuo<sup>3</sup> · MIYASAKA, Makoto<sup>4</sup> · IMAI, Yoshitane<sup>1</sup>
- 1P005** Solvatochromic property of binaphthyl circularly polarized luminophore (<sup>1</sup>Kindai Univ. · <sup>2</sup>Kindai Univ.) OTAKAMURA, Kenya<sup>1</sup> · SAITO, Ryuki<sup>2</sup> · HARA, Nobuyuki<sup>1</sup> · SEKI, Yamana<sup>2</sup> · IMAI, Yoshitane<sup>1,2</sup>
- 1P006** Circularly polarized luminescence (CPL) tuning of cyclodextrin-pyrene supramolecular fluorophore (<sup>1</sup>Kindai Univ. · <sup>2</sup>Nara Women's Univ. · <sup>3</sup>ORIST) OMIMURA, Yuki<sup>1</sup> · TAKAKUWA, Sakae<sup>1</sup> · SAWAI, Mika<sup>2</sup> · MOTOMURA, Yuki<sup>1</sup> · SHIZUMA, Motohiro<sup>3</sup> · KITAMATSU, Mizuki<sup>1</sup> · TAKASHIMA, Hiroshi<sup>2</sup> · IMAI, Yoshitane<sup>1</sup>
- 1P007** Circularly polarized luminescence (CPL) property of diimide fluorophore for CP-OLED (<sup>1</sup>Kindai Univ. · <sup>2</sup>Kindai Univ. · <sup>3</sup>Ibaraki Univ.) ONAKAJIMA, Gaku<sup>1</sup> · KIMOTO, Takahiro<sup>2</sup> · MISHIMA, Kohei<sup>2</sup> · HARA, Nobuyuki<sup>1</sup> · NISHIKAWA, Hiroyuki<sup>3</sup> · IMAI, Yoshitane<sup>1</sup>
- 1P008** Development of binaphthyl-bipyrene fluorophore having circularly polarized luminescence (CPL) (<sup>1</sup>Kindai Univ. · <sup>2</sup>Tokyo Denki Univ. · <sup>3</sup>Kindai Univ. · <sup>4</sup>ORIST) OKAJI, Daiki<sup>1</sup> · IKEDA, Shintaro<sup>2</sup> · TAKAMURA, Kenya<sup>1</sup> · OKADA, Hana<sup>3</sup> · SHIZUMA, Motohiro<sup>4</sup> · MIYASAKA, Makoto<sup>2</sup> · IMAI, Yoshitane<sup>1,3</sup>
- 1P009** Preparation of axially chiral tetranaphthyl/Eu(III) hybride luminophores having circularly polarized luminescence (CPL) properties (<sup>1</sup>Kindai Univ. · <sup>2</sup>Kyoto Prefectural Univ. · <sup>3</sup>ORIST) KAJI, Daiki<sup>1</sup> · KITAYAMA, masumi<sup>2</sup> · HARA, Nobuyuki<sup>1</sup> · SHIZUMA, Motohiro<sup>3</sup> · TSUBAKI, Kazunori<sup>2</sup> · OIMAI, Yoshitane<sup>1</sup>
- 1P010** Development of light harvesting antenna using DNA integrated multiple fluorophore (<sup>1</sup>Nagoya Univ.) OAZUMA, Hidenori<sup>1</sup> · KASHIDA, Hiromu<sup>1</sup> · MARUYAMA, Ryoko<sup>1</sup> · ASANUMA, Hiroyuki<sup>1</sup>
- 1P011** Design of nucleic acid nanostructure generating chiroptical properties in response to chiral molecule (<sup>1</sup>Nagoya Univ.) ONISHIKAWA, Keiji<sup>1</sup> · KASHIDA, Hiromu<sup>1</sup> · ASANUMA, Hiroyuki<sup>1</sup>
- 1P012** Development of A Solvatochromic Fluorescent Fatty Acid and Its Application to Intracellular Imaging (<sup>1</sup>Grad. Sch. Sci., Nagoya Univ. · <sup>2</sup>Westfälische-Wilhelms Universität Münster · <sup>3</sup>Institute of Transformative Bio-Molecules (WPI-ITbM), Nagoya Univ. · <sup>4</sup>JST-PRESTO) OKAJIWARA, Keiji<sup>1</sup> · OSAKI, Hiroshi<sup>1</sup> · KIM, Ju Hyun<sup>2</sup> · GENSCHE, Tobias<sup>2</sup> · GRESSIES, Steffen<sup>2</sup> · SATO, Yoshikatsu<sup>3</sup> · KUWATA, Keiko<sup>3</sup> · GLORIUS, Frank<sup>2</sup> · TAKI, Masayasu<sup>3,4</sup> · YAMAGUCHI, Shigehiro<sup>1,3</sup>
- 1P013** Changes in the Qy bands of chlorophyll pigments by reconstitution into LH2 proteins of purple photosynthetic bacteria (<sup>1</sup>Faculty of Science and Engineering, Kindai Univ.) OYAMASHITA, Madoka<sup>1</sup> · SAGA, Yoshitaka<sup>1</sup>
- 1P014** Substitution and modification of energy-accepting membrane proteins in light-harvesting complexes of green photosynthetic bacteria (<sup>1</sup>Kindai Univ.) OSAGA, Yoshitaka<sup>1</sup> · YAMASHITA, Hayato<sup>1</sup> · KOBAYASHI, Takumi<sup>1</sup>
- 1P015** Two-Component Mechanochromic Luminescence of 2-Alkyl-4-(pyren-1-yl)thiophene Derivatives (<sup>1</sup>Yokohama Natl. Univ.) OIKEYA, MINAKO<sup>1</sup> · KATADA, Genki<sup>1</sup> · ITO, Suguru<sup>1</sup>
- 1P016** Synthesis and Chromic Behaviors of Tetrathia[8]circulene Octaoxides Having Peripheral Aryl Groups (<sup>1</sup>Graduate School of Engineering, Nagoya Univ. · <sup>2</sup>Research Institute for Electronic Science, Hokkaido Univ.) OMURASE, Hiroyasu<sup>1</sup> · NAGATA, Yuya<sup>1</sup> · HISAKI, Ichiro<sup>2</sup> · SHINOKUBO, Hiroshi<sup>1</sup> · MIYAKE, Yoshihiro<sup>1</sup>
- 1P017** Synthesis and photochromism of novel spiropyran derivatives containing a heterocyclic ring. (<sup>1</sup>Univ. of Yamanashi) OAMOU, Chisaki<sup>1</sup> · FURUYA, Shizuka<sup>1</sup> · KUWABARA, Tetsuo<sup>1</sup>

- 1P018** Synthesis of porphycene derivatives bearing reactive sites for conjugation with polymers (<sup>1</sup>Grad. Sch. Eng., Kyushu Univ. · <sup>2</sup>Center for Molecular Systems (CMS), Kyushu Univ) OSHINJO, Hyuga<sup>1</sup> · ONO, Toshikazu<sup>1,2</sup> · HISAEDA, Yoshio<sup>1,2</sup>
- 1P019** Structure and optical properties of zinc chlorin aggregates in lipid bilayers (<sup>1</sup>Ryukoku Univ. · <sup>2</sup>Ryukoku Univ.) OSUGIYAMA, Kazuo<sup>1</sup> · MIYATAKE, Tomohiro<sup>1</sup>
- 1P020** Synthesis and Photophysical Properties of Porphyrin-ITIC Linked Molecule (<sup>1</sup>Graduate School of Engineering, Kyoto Univ. · <sup>2</sup>WPI-iCeMS, Kyoto Univ.) FUJIMARU, Yui<sup>1</sup> · UMEYAMA, Tomokazu<sup>1</sup> · OIMAHORI, Hiroshi<sup>1,2</sup>
- 1P021** Oxidative Cleavage of Nonfluorescent Norcorrole Ni(II) Complex into Fluorescent Dialkoxybis(dipyrin)s (<sup>1</sup>Grad. Sch. Eng., Nagoya Univ.) OSHAFIE, Siham Asyiqin<sup>1</sup> · KAWASHIMA, Hiroyuki<sup>1</sup> · MIYAKE, Yoshihiro<sup>1</sup> · SHINOKUBO, Hiroshi<sup>1</sup>
- 1P022** Hydrogen peroxide generation by two-electron oxidation of water with visible light using Sn-porphyrin / SnO<sub>2</sub> film (<sup>1</sup>Tokyo Metropolitan Univ. · <sup>2</sup>Tokyo Metropolitan Univ., artificial photosynthesis research center) OOHSAKI, Yutaka<sup>1</sup> · THOMAS, Arun<sup>2</sup> · KUTTASSERY, Fazalurahaman<sup>2</sup> · MATHEW, Siby<sup>2</sup> · SHIMADA, Tetsuya<sup>1,2</sup> · TAKAGI, Shinsuke<sup>1,2</sup> · TACHIBANA, Hiroshi<sup>1,2</sup> · INOUE, Haruo<sup>1,2</sup>
- 1P023** Pressure Response of Fluorescence of the Organoboron Complex Having a Cyclophane (<sup>1</sup>Grad. Sch. Eng., Osaka Pref. Univ. · <sup>2</sup>Grad. Sch. Mat. Sci., Univ. of Hyogo · <sup>3</sup>RIMED, Osaka Pref. Univ.) OARI, Takumu<sup>1</sup> · YAMAMOTO, Shun<sup>1</sup> · IIDA, Hiroki<sup>2</sup> · OZAWA, Yoshiki<sup>2</sup> · ABE, Masaaki<sup>2</sup> · MATSUI, Yasunori<sup>1,3</sup> · OHTA, Eisuke<sup>1,3</sup> · IKEDA, Hiroshi<sup>1,3</sup>
- 1P024** Photon upconversion sensitized by amphiphilic ruthenium complexes (<sup>1</sup>Shizuoka Univ.) FUJIMOTO, Keisuke<sup>1</sup> · OMASUDA, Shota<sup>1</sup> · KAWAI, Kyosuke<sup>1</sup> · TAKAHASHI, Masaki<sup>1</sup>
- 1P025** Synthesis and Photophysical Properties of *N*-Methyl-5,15-diazaporphyrin Metal Complexes (<sup>1</sup>Grad. Sch. Eng., Nagoya Univ.) ONISHIJO, Mayu<sup>1</sup> · NISHIMURA, Tsubasa<sup>1</sup> · CHIA, WenXi<sup>1</sup> · MIYAKE, Yoshihiro<sup>1</sup> · SHINOKUBO, Hiroshi<sup>1</sup>
- 1P026** Substituent effects on the fluorescent color changes during the evaporative crystallization of dibenzoylmethane boron difluoride complexes (<sup>1</sup>Shinshu Univ. · <sup>2</sup>Shinshu Univ.) OMOCHIZUKI, Yoshifumi<sup>1</sup> · ITO, Fuyuki<sup>2</sup>
- 1P027** Development of near infrared-to-blue photon upconversion materials based on silyl-substituted anthracene derivatives (<sup>1</sup>Grad. Sch. Eng., Kyushu Univ. · <sup>2</sup>CMS, Kyushu Univ. · <sup>3</sup>JST-PRESTO) OHARUKI, Rena<sup>1</sup> · SASAKI, Yoichi<sup>1</sup> · YANAI, Nobuhiro<sup>1,2,3</sup> · KIMIZUKA, Nobuo<sup>1,2</sup>
- 1P028** Synthesis and Photophysical Properties of Covalently Linked Tetracene Oligomers (<sup>1</sup>Keio Univ. · <sup>2</sup>Tampere Univ.) ONAKAMURA, Shunta<sup>1</sup> · SAKAI, Hayato<sup>1</sup> · TKACHENKO, Nikolai<sup>2</sup> · HASOBE, Taku<sup>1</sup>
- 1P029** Novel Thermally-activated Delayed Fluorescent Material Having Arylsulfonyl Groups and Its iOLED (<sup>1</sup>Grad. Sch. Eng., Osaka Pref. Univ. · <sup>2</sup>RIMED, Osaka Pref. Univ.) OYOKOYAMA, Yudai<sup>1</sup> · ISHIHARAGUCHI, Kenta<sup>1</sup> · MATSUI, Yasunori<sup>1,2</sup> · OHTA, Eisuke<sup>1,2</sup> · NAITO, Hiroyoshi<sup>1,2</sup> · IKEDA, Hiroshi<sup>1,2</sup>
- 1P030** Photon Upconversion of Dyads Connected by Dimethylmethylene Linker (<sup>1</sup>Grad. Sch. Eng., Osaka Pref. Univ. · <sup>2</sup>RIMED, Osaka Pref. Univ.) HONDA, Kiyomasa<sup>1</sup> · KANO, Masaya<sup>1</sup> · OMAISUI, Yasunori<sup>1,2</sup> · OHTA, Eisuke<sup>1,2</sup> · IKEDA, Hiroshi<sup>1,2</sup>
- 1P031** Addition to alkene and borylation of benzoic acids via photoinduced decarboxylation (<sup>1</sup>Univ. of Fukui) OKUBOSAKI, Suzuka<sup>1</sup> · TAKEUCHI, Haruka<sup>1</sup> · YOSHIMI, Yasuharu<sup>1</sup>
- 1P032** Photoinduced decarboxylative reactions using anthracene derivatives as a visible light redox photocatalyst (<sup>1</sup>Univ. of Fukui) OTAJIMI, Yuka<sup>1</sup> · YOSHIMI, Yasuharu<sup>1</sup>
- 1P033** Visible light promoted reductive transformations of organic substances by using betaine photoredox catalysts and a nitroxyl radical (<sup>1</sup>Grad. Sch. Sci. Tec., Niigata Univ. · <sup>2</sup>Faculty of Science, Niigata Univ.) TANAKA, Tsukasa<sup>1</sup> · OHASEGAWA, Eietsu<sup>2</sup>
- 1P034** Stepwise structure conversion in rhodamine analogues based on photo and acid stimulation (<sup>1</sup>Aichi Gakuin University · <sup>2</sup>Okayama University) OTANIOKA, Masaru<sup>1</sup> · KAMINO, Shinichiro<sup>1</sup> · KOGA, Natsumi<sup>2</sup> · SAWADA, Daisuke<sup>2</sup>
- 1P035** Development of lactonization reaction via regioselective bifunctionalization of conjugated dienes with visible light (<sup>1</sup>Gifu Pharmaceutical Univ.) OTAKEDA, Mitsumi<sup>1</sup> · MAEJIMA, Saki<sup>1</sup> · YAMAGUCHI, Eiji<sup>1</sup> · TADA, Norihiro<sup>1</sup> · ITOH, Akichika<sup>1</sup>
- 1P036** Synthesis and Photophysical Properties of a Novel Triarylborane Derivative Having an Aza-15-crown-5

Group (<sup>1</sup>Kochi Univ. of Technology) ○ARITA, Mao<sup>1</sup> · Yokoyama, Soichi<sup>1</sup> · AKITAKA, Ito<sup>1</sup> · NISHIWAKI, Nagatoshi<sup>1</sup>

- 1P037** Effect of desymmetrization on the room-temperature phosphorescence of 1,2-diketone derivatives (<sup>1</sup>Grad. Sch. Sci., Osaka Univ.) ○KOMURA, Mao<sup>1</sup> · TANI, Yosuke<sup>1</sup> · OGAWA, Takuji<sup>1</sup>
- 1P038** Photochemical Direct Carboxylation of Substituted Anilines by CO<sub>2</sub> (<sup>1</sup>Chuo Univ. · <sup>2</sup>JST-PRESTO) ○ABE, Kanae<sup>1</sup> · MATSUMOTO, Takeshi<sup>2</sup> · NAKADA, Akinobu<sup>1</sup> · CHANG, Ho-Chol<sup>1</sup>
- 1P039** Synthesis and Chiroptical Properties of Chiral Ligand-Substituted Boron Dipyrromethene Derivatives (<sup>1</sup>Keio Univ.) ○SUZUKI, Yudai<sup>1</sup> · SAKAI, Hayato<sup>1</sup> · HASOBE, Taku<sup>1</sup>
- 1P040** Structural changes and emission properties of tetraphenylethene derivatives in the excited state (<sup>1</sup>Graduate School of Chemical Sciences and Engineering, Hokkaido Univ. · <sup>2</sup>Faculty of Science, Hokkaido Univ.) ○TANAKA, Yuma<sup>1</sup> · NOUMI, Toshiaki · MACHIDA, Takashi<sup>1</sup> · KOKADO, Kenta<sup>1,2</sup> · SADA, Kazuki<sup>1,2</sup>
- 1P041** Retention of chirality in radical addition to alkenes by photoinduced decarboxylation of cyclic amino acids (<sup>1</sup>Univ. of Fukui) ○MIZUNO, Taisei<sup>1</sup> · YOSHIMI, Yasuharu<sup>1</sup>
- 1P042** Flapping fluorophore bearing dppz ligands (<sup>1</sup>Grad. Sch. Sci., Kyoto Univ. · <sup>2</sup>JST-PRESTO) ○HONDA, Tsubasa<sup>1</sup> · YAMAKADO, Takuya<sup>1</sup> · KUSHIDA, Aki<sup>1</sup> · OSUKA, Atsuhiko<sup>1</sup> · SAITO, Shohei<sup>1,2</sup>
- 1P043** Performance Evaluation of Flow Photoreactors Using Intramolecular Photocycloaddition of Naphthalene Derivative (<sup>1</sup>Grad. Sch. Eng., Osaka Pref. Univ. · <sup>2</sup>RIMED, Osaka Pref. Univ.) ○INOUE, Taichi<sup>1</sup> · MATSUI, Yasunori<sup>1,2</sup> · OHTA, Eisuke<sup>1,2</sup> · IKEDA, Hiroshi<sup>1,2</sup>
- 1P044** Visible light promoted *Se*-arylation of diaryl diselenides with 2-phenylimidazopyridines in the presence of ammonium iodide (<sup>1</sup>School of Pharmaceutical Science, Aichi Gakuin Univ.) ○MURATA, Yuki<sup>1</sup> · KANASAKI, keiko<sup>1</sup> · KONDO, Kaito<sup>1</sup> · KITAMURA, Yuki<sup>1</sup> · MATSUMURA, Mio<sup>1</sup> · YASUIKE, Shuji<sup>1</sup>
- 1P045** Optical properties of N,N'-dimethyl-2,7-diazapyrenes (<sup>1</sup>Nagoya Univ. Graduate School of Engineering) ○TAKEKOSHI, Haruka<sup>1</sup> · NAKAZATO, Takumi<sup>1</sup> · SHINOKUBO, Hiroshi<sup>1</sup> · MIYAKE, Yoshihiro<sup>1</sup>
- 1P046** Photochemically induced bond homolysis of cyclopropanes (<sup>1</sup>Grad. Sch. Sci. · <sup>2</sup>Grad. Sch. Sci.) ○MADEA, Dominik<sup>1</sup> · ABE, Manabu<sup>2</sup>
- 1P047** Design and synthesis of two-photon responsive photolabile protecting group with a terphenyl unit for near IR calcium ion uncaging reaction. (<sup>1</sup>Hiroshima Univ. · <sup>2</sup>Niigata Univ. · <sup>3</sup>CNRS, Rennes Univ.) ○PHAM, Thi Thu Thuy<sup>1</sup> · SATISH, Jakkampudi<sup>1</sup> · ABE, Manabu<sup>1</sup> · FURUKAWA, Ko<sup>2</sup> · KANTAN, Claudine<sup>3</sup>
- 1P048** Synthesis of Diimide derivatives of Picene as New n-type OFET Materials Through Photocyclization (<sup>1</sup>Okayama Univ.) ○GUO, Yuxin<sup>1</sup> · YOSHIOKA, Kaito<sup>1</sup> · HAMAOKA, Shino<sup>1</sup> · KUBOZONO, Yashihiko<sup>1</sup> · OKAMOTO, Hideki<sup>1</sup>
- 1P049** Fabrication and evaluation of phosphorescent materials modified with gold nanoparticles (<sup>1</sup>Graduate School of Engineering, Shiga Prefecture Univ. · <sup>2</sup>School of Engineering, Shiga Prefecture Univ.) ○MATSUMIYA, Yusuke<sup>1</sup> · AKIYAMA, Tsuyoshi<sup>2</sup> · OKU, Takeo<sup>2</sup>
- 1P050** Particle Size Effects of Near-Infrared Responsive Photocatalysts on Their Activities (<sup>1</sup>Fac. Eng., Shinshu Univ. · <sup>2</sup>RISM, Shinshu Univ.) ○TAKAGI, Fumiaki<sup>1</sup> · KAGESHIMA, Yosuke<sup>1,2</sup> · TESHIMA, Katsuya<sup>1,2</sup> · DOMEN, Kazunari<sup>2</sup> · NISHIKIORI, Hiromasa<sup>1,2</sup>
- 1P051** Development of hydrogen evolving nanoparticle photocatalyst with Ir(III)-coumarin photosensitizers (<sup>1</sup>Graduate School of Chemical Sciences and Engineering, Hokkaido Univ. · <sup>2</sup>Faculty of Science, Hokkaido Univ.) ○MURAMATSU, Eiichiro<sup>1</sup> · KOBAYASHI, Atsushi<sup>2</sup> · YOSHIDA, Masaki<sup>2</sup> · KATO, Masako<sup>2</sup>
- 1P052** Optimization of photocatalytic performance of Cu / WO<sub>3</sub> and Cu / N-TiO<sub>2</sub> composite photocatalysts under visible light irradiation (<sup>1</sup>Meijo Univ.) ○SEKI, Junichi<sup>1</sup> · IIHOSHI, Tomoya<sup>1</sup> · OHWAKI, Takeshi<sup>1</sup>
- 1P053** Product composition control of CO<sub>2</sub> reduction by AgNi/TiO<sub>2</sub> (<sup>1</sup>Kyoto Institute of Tech) ○KASEDO, Yu<sup>1</sup> · OHNO, Teruhisa<sup>1</sup>
- 1P054** Hydrogen Peroxide Generation from Oxygen on Bismuth Oxyhalide Photocathode (<sup>1</sup>Grad school of Eng., Kyoto Univ.) ○Endo, Noriaki<sup>1</sup> · Tomita, Osamu<sup>1</sup> · Abe, Ryu<sup>1</sup>
- 1P055** Synthesis and Photophysical Properties of Novel Polypyridyl Ruthenium(II) Complexes toward Photoinduced Proton-Transfer Reaction (<sup>1</sup>Kochi Univ. of Technology) ○OHASHI, Takuma<sup>1</sup> · ITO, Akitaka<sup>1</sup>
- 1P056** Development of Particulate Zn<sub>x</sub>Cd<sub>1-x</sub>Se Photoanodes and Application to Non-Aqueous Photoelectrochemical-Photovoltaic Cells (<sup>1</sup>Fac. Eng., Shinshu Univ. · <sup>2</sup>RISM, Shinshu Univ.)

OKAGESHIMA, Yosuke<sup>1,2</sup> · SOMENO, Akihiko<sup>1</sup> · TESHIMA, Katsuya<sup>1,2</sup> · DOMEN, Kazunari<sup>2</sup> · NISHIKIORI, Hiromasa<sup>1,2</sup>

- 1P057** Evaluation of plasmon induced charge separation (PICS) with p-type semiconductor for all-solid-state photoelectric cells (<sup>1</sup>Grad. Sch. Eng., Kyushu Univ. · <sup>2</sup>Dept. Appl. Chem., Kyushu Univ. · <sup>3</sup>I<sup>2</sup>CNER, Kyushu Univ.) ○MURAYAMA, Taro<sup>1</sup> · SHINGO, Syouta<sup>1</sup> · YAMADA, Sunao<sup>2</sup> · TAKAHASHI, Yukina<sup>3</sup>
- 1P058** Investigation of quantum yields for photo-induced electron transfer processes of metal-complex photosensitizers (<sup>1</sup>Tokyo Tech · <sup>2</sup>AIST) ○OZAWA, Kyohei<sup>1</sup> · TAMAKI, Yusuke<sup>1</sup> · KOIKE, Kazuhide<sup>2</sup> · ISHITANI, Osamu<sup>1</sup>
- 1P059** Luminescence property changes of lanthanide complex on chemical reaction triggered by external stimulus (<sup>1</sup>Grad. Sch. Chem. Sci. Eng., Hokkaido Univ. · <sup>2</sup>Fac. Eng., Hokkaido Univ. · <sup>3</sup>WPI-ICReDD, Hokkaido Univ.) ○NAITO, Ayu<sup>1</sup> · KITAGAWA, Yuichi<sup>2,3</sup> · FUSHIMI, Koji<sup>2</sup> · HASEGAWA, Yasuchika<sup>2,3</sup>
- 1P060** Controlling Photophysical Properties of Cyclometalated Iridium(III) Complexes by Utilizing An Intraligand Hydrogen Bond (<sup>1</sup>Kochi Univ. Technol.) ○YUKAWA, Tomoki<sup>1</sup> · ITO, Akitaka<sup>1</sup>
- 1P061** Phosphorescence by External Heavy-Atom Effect in Zinc(II) Clusters (<sup>1</sup>Kumamoto Univ.) ○KOBAYASHI, Fumiya<sup>1</sup> · NAKAMURA, Masaaki<sup>1</sup> · HAYAMI, Shinya<sup>1</sup>
- 1P062** Correlation of vapochromism and structure for luminescent platinum phenanthroline complexes (<sup>1</sup>Nagoya Institute of Tech) ○MIURA, Shohei<sup>1</sup> · KOKETSU, Takako<sup>1</sup> · GOTO, Arisa<sup>1</sup> · SHIOTSUKA, Michito<sup>1</sup>
- 1P063** Photooxygenation of Thioguanosine by UVA Irradiation and Property of Photooxidation Product (<sup>1</sup>Aoyamagakuin Univ.) ○TANABE, Shunsuke<sup>1</sup> · KASHIHARA, Wataru<sup>1</sup> · SUZUKI, Tadashi<sup>1</sup>
- 1P064** Single-Particle Emission Observation of Ruthenium Dye-Adsorbed Mesoporous Silica (<sup>1</sup>Grad. Sch. Sci., Kobe Univ. · <sup>2</sup>Fac. Sci. Tech., Seikei Univ. · <sup>3</sup>Mol. PhotoSci. Res. Center, Kobe Univ.) ○Watase, Tatsuya<sup>1</sup> · Sohmiya, Minoru<sup>2</sup> · Kobori, Yasuhiro<sup>1,3</sup> · Tachikawa, Takashi<sup>1,3</sup>
- 1P065** Development of Triple pH-Activatable Photosensitizer for Photodynamic Therapy (<sup>1</sup>Gunma Univ.) ○TAJIMA, Kazuya<sup>1</sup> · HORIUCHI, Hiroaki<sup>1</sup> · OKUTSU, Tetsuo<sup>1</sup>
- 1P066** Molecular motion suppression effect of sugar glass as bioprotective substance: Evaluation by two-dimensional fluorescence excitation spectrum (<sup>1</sup>Graduate School of Life Sciences, Ritsumeikan Univ. · <sup>2</sup>College of Life Sciences, Ritsumeikan Univ.) ○TOYO, Atsushi<sup>1</sup> · MATSUOKA, Tetsuro<sup>2</sup> · MATSUMOTO, Akifumi<sup>1</sup> · NAGASAWA, Yutaka<sup>1</sup>
- 1P067** Gold nanostructures formation in nanopores of protein crystals (<sup>1</sup>Josai Univ.) ○UWADA, Takayuki<sup>1</sup> · KOUNO, Kohei<sup>1</sup> · ISHIKAWA, Mitsuru<sup>1</sup>
- 1P068** Estimation of adsorption distribution of cationic dyes on anionic clay nanosheets : Particle size dependence of clay nanosheets (<sup>1</sup>Tokyo Metropolitan Univ. · <sup>2</sup>Tokyo Metropolitan Univ., Research Center for Hydrogen Energy-based Society · <sup>3</sup>Tokyo Metropolitan Univ., Research Center for Gold Chemistry) ○NAGAOKA, Shunsuke<sup>1</sup> · OHSAKI, Yutaka<sup>1</sup> · ISHIDA, Tamao<sup>1,3</sup> · TACHIBANA, Hiroshi<sup>1</sup> · SHIMADA, Tetsuya<sup>1,2</sup> · TAKAGI, Shinsuke<sup>1,2</sup>
- 1P069** Effect of crystal structure on electron injection processes in Ru-complex dye-sensitized TiO<sub>2</sub> films (<sup>1</sup>College of Engineering, Nihon Univ.) ○WAKUI, Hiroki<sup>1</sup> · KATOH, Ryuzi<sup>1</sup>
- 1P070** Fluorescence imaging of magnetic field effects on organic long persistent luminescence (<sup>1</sup>Grad. Sch. Sci., Kobe Univ. · <sup>2</sup>OIST · <sup>3</sup>OPERA, Kyushu Univ. · <sup>4</sup>Mol. PhotoSci. Res. Center, Kobe Univ. · <sup>5</sup>JST-ERATO) ○SAKURAI, Manabu<sup>1</sup> · KABE, Ryota<sup>2,3</sup> · KOBORI, Yasuhiro<sup>1,4</sup> · ADACHI, Chihaya<sup>3,5,6</sup> · TACHIKAWA, Takashi<sup>1,4</sup>
- 1P071** Elucidation of Specific 6π-Electrocyclic Reaction Mechanism of a Dithiazolylarylene Derivative as revealed by time-resolved absorption and fluorescence spectroscopies (<sup>1</sup>Grad. Sch. Eng. Sci., Osaka Univ. · <sup>2</sup>Université de Lille · <sup>3</sup>Grad. Sch. Sci. and Tech., NAIST) ○NAGASAKA, Tatsuhiro<sup>1</sup> · SOTOME, Hikaru<sup>1</sup> · URIARTE, Lucas<sup>2</sup> · SLIWA, Michel<sup>2</sup> · KAWAI, Tsuyoshi<sup>3</sup> · MIYASAKA, Hiroshi<sup>1</sup>
- 1P072** Photon Ionization of Diarylethene Derivative in the presence of cyclodextrin by Using Two-color Two-Laser Irradiation (<sup>1</sup>Fukui Univ. of Technology) ○MINOSAKI, Chika<sup>1</sup> · ASADA, Rina<sup>1</sup> · OKA, Nanae<sup>1</sup> · HARA, Michihiro<sup>1</sup>
- 1P073** Thermochromism of fluorescent diarylethene derivatives through the molecular aggregation (<sup>1</sup>Osaka Univ. · <sup>2</sup>Rikkyo Univ.) ○SHINMEN, Haruka<sup>1</sup> · NAGASAKA, Tatsuhiro<sup>1</sup> · SOTOME, Hikaru<sup>1</sup> · MORIMOTO, Masakazu<sup>2</sup> · IRIE, Masahiro<sup>2</sup> · MIYASAKA, Hiroshi<sup>1</sup>
- 1P074** Protein crystallization by surface plasmon resonance of gold colloid film (<sup>1</sup>Gunma Univ.) ○ITO, Asuka<sup>1</sup> · HORIUCHI, Hiroaki<sup>1</sup> · OKUTSU, Tetsuo<sup>1</sup>

- 1P075** Investigation of Photooxidation Reaction Mechanisms for Plasmon-Induced Charge Separation by the Use of Au Nanocubes (<sup>1</sup>Institute of Industrial Science, The Univ. of Tokyo) OOGATA, Rui<sup>1</sup> · NISHI, Hiroyasu<sup>1</sup> · TATSUMA, Tetsu<sup>1</sup>
- 1P076** Reversible electrochemical control of strong coupling state between organic dye molecules and lattice plasmon modes (<sup>1</sup>Grad. Sch. Chem. Sci. and Eng., Hokkaido Univ. · <sup>2</sup>Fac. Sci., Hokkaido Univ.) OHAYASHI, Takahiro<sup>1</sup> · OIKAWA, Shunpei<sup>1</sup> · MINAMIMOTO, Hiro<sup>2</sup> · MURAKOSHI, Kei<sup>2</sup>
- 1P077** Establishment of Two-Dimensional Plasmonic Materials for High Efficient Light Energy Propagation (<sup>1</sup>Grad. Sch. Chem. Sci. and Eng., Hokkaido Univ. · <sup>2</sup>Fac. Sci., Hokkaido Univ.) OIKAWA, Shunpei<sup>1</sup> · MINAMIMOTO, Hiro<sup>2</sup> · MURAKOSHI, Kei<sup>2</sup>
- 1P078** Photoinduced crystallization of small molecule using gold nanostructures (<sup>1</sup>Gunma Univ.) OOKUTSU, Tetsuo<sup>1</sup> · YAMAKOSHI, miki<sup>1</sup> · HORIUCHI, Hiroaki<sup>1</sup>
- 1P079** Towards the detection of plasmon-enhanced photocurrent in single Photosystem I complexes (<sup>1</sup>Tokyo Tech · <sup>2</sup>Charles Univ.) OFURUYA, Ryotaro<sup>1</sup> · LOKSTEIN, Heiko<sup>2</sup> · VACHA, Martin<sup>1</sup>
- 1P080** Modal strong coupling using Au/Ag nanocomposite particles and its application for photochemical reaction (<sup>1</sup>Research Institute for Electronic Science, Hokkaido Univ. Research Institute for Electronic Science, Hokkaido Univ. · <sup>2</sup>Center for Emergent Functional Matter Science National Chiao Tung Univ. · <sup>3</sup>Faculty of Science, Hokkaido Univ.) OSUGANAMI, Yoshiki<sup>1</sup> · Oshikiri, Tomoya<sup>1</sup> · SHI, Xu<sup>1</sup> · SUN, Quan<sup>1</sup> · UENO, Kosei<sup>3</sup> · MISAWA, Hiroaki<sup>1,2</sup>
- 1P081** Optical trapping of DNA using NASSCA optical tweezers (<sup>1</sup>Osaka City Univ.) OTAKAO, Ryota<sup>1</sup> · SHOJI, Tatsuya<sup>1</sup> · TSUBOI, Yasuyuki<sup>1</sup>
- 1P082** NASSCA Optical Trapping of Hydrophilic Polymer Chains labelled with Pyrene (<sup>1</sup>Grad. Sch. Sci., Osaka City Univ.) OUSHIRO, Kenta<sup>1</sup> · SHOJI, Tatsuya<sup>1</sup> · TSUBOI, Yasuyuki<sup>1</sup>
- 1P083** Non-Plasmonic Optical Tweezers using Broadband Light Sources: Assembly Formation of Nanoparticles (<sup>1</sup>Osaka City Univ.) OKOMOTO, Sawa<sup>1</sup> · SHOJI, Tatsuya<sup>1</sup> · TSUBOI, Yasuyuki<sup>1</sup>
- 1P084** Preparation and Exciton Dynamics of CsPbBr<sub>3</sub> – Pt Heteronanocrystals (<sup>1</sup>Dept. Chem., Kwansai Gakuin Univ.) OSUKEYOSHI, Takuya<sup>1</sup> · KATAYAMA, Tetsuro · EGUCHI, Daichi<sup>1</sup> · TAMAI, Naoto<sup>1</sup>
- 1P085** Photon recycling via efficient non-radiative energy transfer in close-packed lead halide perovskites synthesized by a pressure-induced solid-state method (<sup>1</sup>Grad. Sch. Environ. Sci., Hokkaido Univ. · <sup>2</sup>RIES, Hokkaido Univ.) Ghimire, Sushant<sup>1,2</sup> · Yuta Takano<sup>1,2</sup> · Biju, Vasudevanpillai<sup>1,2</sup>
- 1P086** Adsorption Orientation Control of Cationic Porphyrin on Semiconductor Titania Nanosheet (<sup>1</sup>Tokyo Metropolitan Univ.) TOMINAGA, Shota<sup>1</sup> · SANO, Keito<sup>1</sup> · SHIMADA, Tetuya<sup>1</sup> · ISHIDA, Tamao<sup>1</sup> · TAKAGI, Shinsuke<sup>1</sup>
- 1P087** Photochemical Characterization of Cationic Porphyrins on Anionic nanosheet —The Effect of Host Material— (<sup>1</sup>Graduate School of Urban Environmental Science, Tokyo Metropolitan Univ.) OHIRADE, Yugo<sup>1</sup> · SANO, Keito<sup>1</sup> · SHIMADA, Tetsuya<sup>1</sup> · ISHIDA, Tamao<sup>1</sup> · TAKAGI, Shinsuke<sup>1</sup>
- 1P088** Analysis of the fluorescence colors change of dibenzoyl methane boron fluoride complex during evaporative crystallization from digital image. (<sup>1</sup>Shinshu Univ., Grad. Sch. Sci. Tec. · <sup>2</sup>Shinshu Univ., Institute of Education · <sup>3</sup>Shinshu Univ., Fac. Textile Sci. Tec. · <sup>4</sup>Shinshu Univ., Research Initiative for Supra-Materials · <sup>5</sup>Tohoku Univ., Advanced Institute for Materials Research) OKATSUMI, Shiho<sup>1</sup> · SAIGUSA, Mai<sup>2</sup> · TAKIMOTO, Maori<sup>2</sup> · ITO, Fuyuki<sup>2</sup> · ASAO, Naoki<sup>3,4,5</sup>
- 1P089** Preparation of Lewis-Pair Inclusion Crystals Intended for Phosphorescent Materials and Optical Oxygen Sensors (<sup>1</sup>Grad. Sch. Eng., Kyushu Univ. · <sup>2</sup>Center of Molecular Systems (CMS), Kyushu Univ.) YAMANAKA, Yuri<sup>1</sup> · ONO, Toshikazu<sup>1,2</sup> · HISAEDA, Yoshio<sup>1,2</sup>
- 1P090** Measurement of two-photon absorption of open-shell molecule in single crystal (<sup>1</sup>AIST · <sup>2</sup>Kwansai Gakuin Univ. · <sup>3</sup>Grad. School of Sci., Osaka Univ. · <sup>4</sup>Grad. School of Eng. Sci., Osaka Univ.) OKONISHI, Tatsuki<sup>1,2</sup> · TERADA, Kazuki<sup>3</sup> · KUBO, Takashi<sup>3</sup> · KISHI, Ryohei<sup>4</sup> · NAKANO, Masayoshi<sup>4</sup> · KAMADA, Kenji<sup>1,2</sup>
- 1P091** Estimation of Mean Aggregation Number of 1,1,2,2-Tetraphenylethylene nano-aggregates by FRET Quenching (<sup>1</sup>Grad. Sch., Kyoto Institute of Tech) OHIRAI, Hayato<sup>1</sup> · ICHINOSE, Nobuyuki<sup>1</sup>
- 1P092** Single-molecule characterization of novel fluorescence viscosity probe N-FLAP (<sup>1</sup>Tokyo Tech · <sup>2</sup>Kyoto Univ.) OGOTO, Yuma<sup>1</sup> · ACHIWA, Ryo<sup>2</sup> · OSUKA, Atsuhiko<sup>2</sup> · SAITO, Shohei<sup>2</sup> · VACHA, Martin<sup>1</sup>
- 1P093** Improvement of photosensitization efficiency of photosensitizer by using perfluorocarbon nano-droplet. (<sup>1</sup>Gunma Univ.) OHORIUCHI, Hiroaki<sup>1</sup> · HOSHINO, Ryo<sup>1</sup> · OKUTSU, Tetsuo<sup>1</sup>

- 1P094** The Activated Reaction of Singlet Oxygen Trapped in an Electron Donor-Acceptor Molecular Sensor (<sup>1</sup>Grad. Sch. Environ. Sci., Hokkaido Univ. · <sup>2</sup>RIES, Hokkaido Univ. · <sup>3</sup>Mol. PhotoSci. Res. Center, Kobe Univ.) OSASIKUMAR, Devika<sup>1</sup> · TAKANO, Yuta<sup>1,2</sup> · HAMADA, Morihiko<sup>3</sup> · YUYAMA, Ken-ichi<sup>1,2</sup> · KOBORI, Yasuhiro<sup>3</sup> · BIJU, Vasudevanpillai<sup>1,2</sup>
- 1P095** Synthesis of tetranuclear lanthanide helicates having pendant luminophores (<sup>1</sup>Tokyo Univ. of Science) OITAMOTO, Hiedki<sup>1</sup> · YUASA, Junpei<sup>1</sup>
- 1P096** Lanthanide assemblies from coordination Lanthanide polymer complexes (<sup>1</sup>Tokyo Univ. of Science) OTSUYUKI, Takumi<sup>1</sup> · YUASA, Junpei<sup>1</sup>
- 1P097** Elucidation of photoinduced carrier dynamics in organic thin films by using time-resolved EPR method (<sup>1</sup>Grad. Sch. Sci., Kobe Univ. · <sup>2</sup>Mol. PhotoSci. Res. Center, Kobe Univ. · <sup>3</sup>Grad. Sch. Eng., Kyoto Univ.) OOYAMA, Shinya<sup>1</sup> · NAGASHIMA, Hiroki<sup>2</sup> · HAMADA, Morihiko<sup>2</sup> · UMEYAMA, Tomokazu<sup>3</sup> · TACHIKAWA, Takashi<sup>1,2</sup> · IMAHORI, Hiroshi<sup>3</sup> · KOBORI, Yasuhiro<sup>1,2</sup>
- 1P098** Magnetoimpedance Spectroscopy of Organic Solar Cells using P3HT and PCBM (<sup>1</sup>Grad. Sch. Sci. Tec., Niigata Univ. · <sup>2</sup>Advanced Instrumental Analysis Center, Shizuoka Institute of Sci.) KUDO, Naoki<sup>1</sup> · NAKAJIMA, Shun<sup>1</sup> · SHOJI, Ryota<sup>1</sup> · WAKIKAWA, Yusuke<sup>2</sup> · MIURA, Tomoaki<sup>1</sup> · OIKOMA, Tadaaki<sup>1</sup>
- 1P099** Singlet-qintet conversion in multiexcitons generated by singlet fission in TIPS-pentacene thin films (<sup>1</sup>Grad. Sch. Sci., Kobe Univ. · <sup>2</sup>Fac. Sci., Kobe Univ. · <sup>3</sup>Mol. PhotoSci. Res. Center, Kobe Univ.) O MATSUDA, Saki<sup>1</sup> · NAGATOMO, Takaaki<sup>2</sup> · HAMADA, Morihiko<sup>3</sup> · KOBORI, Yasuhiro<sup>1,3</sup> · TACHIKAWA, Takashi<sup>1,3</sup>
- 1P100** Room temperature delayed fluorescence from tetracene in various matrices: Triplet exciton generation by fission from highly excited state (<sup>1</sup>College of Engineering, Nihon Univ.) OFUKUSHIMA, Misa<sup>1</sup> · KATOH, Ryuzi<sup>1</sup>
- 1P101** Control of the excited state energy level of emitters for efficient photon upconversion (<sup>1</sup>Grad. Sch. of Eng., Kyushu Univ. · <sup>2</sup>CMS, Kyushu Univ. · <sup>3</sup>JST-PRESTO) OHARADA, Naoyuki<sup>1</sup> · SASAKI, Yoichi<sup>1</sup> · YANAI, Nobuhiro<sup>1,2,3</sup> · KIMIZUKA, Nobuo<sup>1,2</sup>
- 1P102** Photoluminescence Imaging Analysis of Triplet-Triplet Annihilation Photon Upconversion in Organic Microcrystals (<sup>1</sup>College of Science, Rikkyo Univ. · <sup>2</sup>Grad. Sch. Sci., Shizuoka Univ.) OKATO, Mone<sup>1</sup> · TOYOSHIMA, Yuto<sup>2</sup> · KOBAYASHI, Kenji<sup>2</sup> · MITSUI, Masaaki<sup>1</sup>
- 1P103** Establishing shaped pulse RYDMR based microscopic method (<sup>1</sup>The Univ. of Tokyo, Graduate School of Arts and Sciences · <sup>2</sup>Saitama Univ., Grad. Sch. Sci. Eng. · <sup>3</sup>Keio Univ., Quantum Computing Center) OSATO, Masaya<sup>1</sup> · MAEDA, Kiminori<sup>2</sup> · SUGAWARA, Michihiko<sup>3</sup> · WOODWARD, Jonathan<sup>1</sup>
- 1P104** New synthesis of thiouridine derivative substituted phenylethynyl unit and its excited state (<sup>1</sup>Aoyamagakuin Univ.) ONONOSHITA, Daiki<sup>1</sup> · TANABE, Shunsuke<sup>1</sup> · TANABE, Kazuhito<sup>1</sup> · KASHIHARA, Wataru<sup>1</sup> · SUZUKI, Tadashi<sup>1</sup>
- 1P105** Isotope effect on fluorescence properties of perylene excimer in solution (<sup>1</sup>College of Engineering, Nihon Univ.) OSHIBASAKI, Yuuya<sup>1</sup> · KATOH, Ryuzi<sup>1</sup>
- 1P106** Synthesis of luminophores based on anthraquinone derivatives (<sup>1</sup>Tokyo Univ. of Science) OKISHIDA, Sakura<sup>1</sup> · YUASA, Junpei<sup>1</sup>
- 1P107** Rapid dynamic Stokes shift accompanying decreasing polarity of betaine dye upon photoexcitation (<sup>1</sup>Ritsumeikan Univ. Graduate School of Life Sciences · <sup>2</sup>Osaka Univ. Graduate School of Engineering Science) OIWAMOTO, Akira<sup>1</sup> · YONEDA, Yusuke<sup>2</sup> · MIYASAKA, Hiroshi<sup>2</sup> · NAGASAWA, Yutaka<sup>1</sup>
- 1P108** Excited state dynamics of fullerene charge transfer complexes in electron donating solvents (<sup>1</sup>Ritsumeikan Univ.) OTAKAHASHI, Yosuke<sup>1</sup> · SUGIHARA, Keita<sup>1</sup> · NAGASAWA, Yutaka<sup>1</sup>
- 1P109** Size-Dependent Hot Electron Transfer Dynamics in CdTe Quantum Dots – Fullerene Systems (<sup>1</sup>Sch. Sci., Kwansai Gakuin Univ.) OKORI, Shota<sup>1</sup> · KATAYAMA, Tetsuro · TAMAI, Naoto<sup>1</sup>
- 1P110** Emission behavior of ternary semiconductor quantum dots evaluated by a single particle spectroscopy (<sup>1</sup>Graduated School of Science and Technology, Kwansai Gakuin Univ. · <sup>2</sup>Department of Applied Chemistry for Environment, Kwansai Gakuin Univ.) OTAKEMURA, Koki<sup>1</sup> · YAMAUCHI, Mitsuaki<sup>2</sup> · MASUO, Sadahiro<sup>2</sup>
- 1P111** Design of single-site Eu-doped C<sub>3</sub>N<sub>4</sub> and its sensing property (<sup>1</sup>Grad. Sch. Eng., Osaka Univ. · <sup>2</sup>ESICB, Kyoto Univ.) OMurakami, Takaaki<sup>1</sup> · Mori, Kohsuke<sup>1,2</sup> · Yamashita, Hiromi<sup>1,2</sup>
- 1P112** Intramolecular Excimer Formation of Covalently Linked Dinuclear Organoplatinum(II) Complexes (<sup>1</sup>Grad. Sch. Eng., Osaka Pref. Univ.) OHOTEI, Junichi<sup>1</sup> · YAMASHITA, Kouhei<sup>1</sup> · MAEDA, Takeshi<sup>1</sup> · YAGI, Shigeyuki<sup>1</sup>

- 1P113** Analysis of Pressure-induced Variations in Luminescence Behaviors of Polyimide Having Fluorescent Terminal Groups Displaying Excited-state Intramolecular Proton Transfer. (<sup>1</sup>Sch. of Mat. and Chem. Tech., Tokyo Tech.) ○MUTO, Koichiro<sup>1</sup> · FUJIWARA, Eisuke<sup>1</sup> · ISHIGE, Ryohei<sup>1</sup> · ANDO, Shinji<sup>1</sup>
- 1P114** Optically Functional Soft Materials Constructed by Supramolecular Polymerization in Liquid Crystalline Media (<sup>1</sup>The Univ. of Tokyo · <sup>2</sup>RIKEN CEMS) ○ZHANG, Xujie · ITOH, Yoshimitsu · AIDA, Takuzo
- 1P115** Elucidation of microscopic phase-separation in a multi-component polymer by means of long-time single-molecule tracking based on the one-color fluorescence switching (<sup>1</sup>Osaka Univ. · <sup>2</sup>Tokyo Univ Agr & Technol. · <sup>3</sup>Toyama Pref. Univ. · <sup>4</sup>Rikkyo Univ.) ○FUNAOKA, Misato<sup>1</sup> · ITO, Syoji<sup>1</sup> · HANASAKI, Itsuo<sup>2</sup> · TAKEI, Satoshi<sup>3</sup> · MORIMOTO, Masakazu<sup>4</sup> · IRIE, Masahiro<sup>4</sup> · MIYASAKA, Hiroshi<sup>1</sup>
- 1P116** Increased Light Harvesting by Artificial Antenna in Photosystem I-based Biophotovoltaic (<sup>1</sup>Tokyo Univ. of Science) ○TAKEKUMA, Yuya<sup>1</sup> · NAGATA, Morio<sup>1</sup>
- 1P117** Triplet-triplet annihilation photon upconversion in crystalline solid with improved compatibility (<sup>1</sup>Kwansei Gakuin Univ. · <sup>2</sup>AIST · <sup>3</sup>Shizuoka Univ.) ○FUKUUCHI, Risa<sup>1,2</sup> · KAMADA, Kenji<sup>1,2</sup> · TOYOSHIMA, Yuto<sup>3</sup> · YOSHINAMI, Takumi<sup>3</sup> · KOBAYASHI, Kenji<sup>3</sup>
- 1P118** Electron mediator dependence of photocatalytic hydrogen production driven by multilayered ruthenium(II) dyes-sensitized nanoparticle photocatalysts (<sup>1</sup>Graduate School of Chemical Sciences and Engineering, Hokkaido Univ. · <sup>2</sup>Grad. Sch. Sci., Hokkaido Univ.) ○YOSHIMURA, Nobutaka<sup>1</sup> · KOBAYASHI, Atsushi<sup>2</sup> · YOSHIDA, Masaki<sup>2</sup> · KATO, Masako<sup>2</sup>
- 1P119** Cooperative doping effect in both bulk and surface in hematite for efficient solar water splitting by the facile method (<sup>1</sup>Chuo Univ.) ○INABA, Mika<sup>1</sup> · SHON, Woon Yong<sup>1</sup> · KATAYAMA, Kenji<sup>1</sup>
- 1P120** Synthesis and photocatalytic activity of ultrathin two-dimensional porphyrin nanodisks via covalent organic framework exfoliation (<sup>1</sup>ISIR, Osaka Univ.) ○FAN, Zeyu<sup>1</sup> · OSAKADA, Yasuko<sup>1</sup>
- 1P121** 欠番
- 1P122** Facile synthesis of thin layered porphyrin comprising covalent organic nanosheets using common solvents and evaluation of their photocatalytic activity (<sup>1</sup>ISIR Osaka Univ. · <sup>2</sup>IACS Osaka Univ.) ○LI, Xinxi<sup>1</sup> · OSAKADA, Yasuko<sup>1,2</sup>
- 1P123** Photoinduced Shape Change of Twin Crystals Composed of a Diarylethene Having a Long Alkyl Chain (<sup>1</sup>Grad. Sch. Eng., Osaka City Univ.) ○HIGASHIGUCHI, Takuya<sup>1</sup> · KITAGAWA, Daichi<sup>1</sup> · KOBATAKE, Seiya<sup>1</sup>
- 1P124** Submillimeter-sized sheet of Diarylethene Supramolecular Architecture under Depletion Force and the Photoinduced Transformation (<sup>1</sup>Graduate School of Engineering, Kyoto Univ.) ○YASUDA, Haruka<sup>1</sup> · HIGASHIGUCHI, Kenji<sup>1</sup> · MATSUDA, Kenji<sup>1</sup>
- 1P125** Photoinduced cytotoxicity of photochromic diarylethene derivatives: The relation of the structure and the cytotoxicity (<sup>1</sup>Ryukoku Univ. · <sup>2</sup>AIST · <sup>3</sup>Kindai Univ. · <sup>4</sup>TUPLS · <sup>5</sup>RIKEN RINC.) ○NAKAGAWA, Yuma<sup>1</sup> · HISHIDA, Tatsuya<sup>1</sup> · KINOSHITA, Kuon<sup>1</sup> · SUMARU, Kimio<sup>2</sup> · KANAMORI, Toshiyuki<sup>2</sup> · MORISHITA, Kana<sup>2</sup> · HYODO, Kengo<sup>3</sup> · YOKOJIMA, Satoshi<sup>4,5</sup> · NAKAMURA, Shinichiro<sup>5</sup> · UCHIDA, Kingo<sup>1,5</sup>
- 1P126** NIR-Light Driven Negative Photochromism of Bipyrenyl-Bridged Imidazole Dimer (<sup>1</sup>Aoyama Gakuin Univ.) ○ARAI, Kaho<sup>1</sup> · MUTOH, Katsuya<sup>1</sup> · ABE, Jiro<sup>1</sup>
- 1P127** Object transportation system mimicking the cilia of Paramecium aurelia by using light-controllable crystal bending behavior of a photochromic diarylethene (<sup>1</sup>Ryukoku Univ. · <sup>2</sup>JASRI · <sup>3</sup>Rikkyo Univ. · <sup>4</sup>Osaka Univ. · <sup>5</sup>Tokyo Univ. of Pharmacy and Life Sciences) ○NISHIMURA, Ryo<sup>1</sup> · FUJIMOTO, Ayako<sup>1</sup> · YASUDA, Nobuhiro<sup>2</sup> · MORIMOTO, Masakazu<sup>3</sup> · NAGASAKA, Tatsuhiko<sup>4</sup> · SOTOME, Hikaru<sup>4</sup> · ITO, Syoji<sup>4</sup> · MIYASAKA, Hiroshi<sup>4</sup> · YOKOJIMA, Satoshi<sup>5</sup> · NAKAMURA, Shinichiro<sup>6</sup>
- 1P128** Photochemical Reactions from Higher Excited States of Photogenerated Biradicals of Phenoxyl-Imidazolyl Radical Complex Derivatives (<sup>1</sup>College of Life Sciences, Ritsumeikan Univ. · <sup>2</sup>Sch. Sci. Eng., Aoyama Gakuin Univ.) ○SAITO, Moe<sup>1</sup> · MUTOH, Katsuya<sup>2</sup> · ABE, Jiro<sup>2</sup> · KOBAYASHI, Yoichi<sup>1</sup>
- 1P129** Size Effect on Amplified Cycloreversion-Reaction Quantum Yield of Diarylethene Nanoparticle Under Intense Nanosecond Laser Excitation. (<sup>1</sup>Ehime Univ. · <sup>2</sup>Osaka City Univ.) ○NAKAI, Shoki<sup>1</sup> · ISHIBASHI, Yukihide<sup>1</sup> · KITAGAWA, Daichi<sup>2</sup> · KOBATAKE, Seiya<sup>2</sup> · ASAH, Tsuyoshi<sup>1</sup>
- 1P130** Modulation of optical and thermal bleaching reaction properties of 1,2-diarylbenzene by introducing polar substituents (<sup>1</sup>Osaka City Univ.) ○NAKAHAMA, Tatsumoto<sup>1</sup> · KITAGAWA, Daichi<sup>1</sup> · KOBATAKE, Seiya<sup>1</sup>
- 1P131** Selective porous structure by rubrene deposition on diarylethene thin films with photoisomerization

pattern (<sup>1</sup>Osaka Kyoiku Univ.) OKOTANI, Kazuma<sup>1</sup> · TSUJIOKA, Tsuyoshi<sup>1</sup>

- 1P132** Fluorescence on/off switching of branched polymers consisting of diarylethene and fluorene derivatives. (<sup>1</sup>Department of Applied Chemistry, Graduate School of Engineering, Osaka City Univ.) OSHIMIZU, Katsuya<sup>1</sup> · KOBATAKE, Seiya<sup>1</sup>
- 1P133** Dependence of Photoluminescence Switching Properties of Quantum Dot Coated with Diarylethene on Coated Number (<sup>1</sup>Grad. Sch. Eng., Osaka City Univ.) OSETO, Yuya<sup>1</sup> · KITAGAWA, Daichi<sup>1</sup> · KIM, DaeGwi<sup>1</sup> · KOBATAKE, Seiya<sup>1</sup>
- 1P134** Preparation and Photochemical Properties of ZnS-AgInS<sub>2</sub> Solid Solution Nanocrystals with a Plate-like Structure (<sup>1</sup>Nagoya Univ. · <sup>2</sup>Osaka Univ.) OMORI, Tatsuya<sup>1</sup> · KAMEYAMA, Tatsuya<sup>1</sup> · KUWABATA, Susumu<sup>2</sup> · TORIMOTO, Tsukasa<sup>1</sup>
- 1P135** Construction of Supramolecular Structures Composed of Semiconductor Quantum Dots by Self-assembly of Azobenzene (<sup>1</sup>Graduated School of Science and Technology, Kwansai Gakuin Univ. · <sup>2</sup>Department of Applied Chemistry for Environment, Kwansai Gakuin Univ.) OYAMAMOTO, Seiya<sup>1</sup> · YAMAUCHI, Mitsuaki<sup>2</sup> · MASUO, Sadahiro<sup>2</sup>
- 1P136** Preparation of ZnS-Ag-In<sub>2</sub> (ZAIS) nano particles for bioapplication and its fluorescence imaging (<sup>1</sup>Kwansai Gakuin Univ. · <sup>2</sup>Nagoya Univ.) OYOSHIDA, Makiko<sup>1</sup> · TAKIYAMA, Takayuki<sup>2</sup> · KAMEYAMA, Tatsuya<sup>2</sup> · TORIMOTO, Tsukasa<sup>2</sup> · TAWA, Keiko<sup>1</sup>
- 1P137** Fabrication of 3D Chiral Gold Nanostructures by Electrodeposition (<sup>1</sup>IIS, Univ. of Tokyo) OGU, Igsoon<sup>1</sup> · ISHIDA, Takuya<sup>1</sup> · TATSUMA, Tetsu<sup>1</sup>
- 1P138** Efficient Generation of Singlet Oxygen using Metal Nanoparticles (<sup>1</sup>Faculty of Engineering, Sojo Univ.) OYONEMURA, Hiroaki<sup>1</sup> · MOTOMURA, Kento<sup>1</sup>
- 1P139** Cross coupling reaction under visible light irradiation using plasmonic photoelectrode (<sup>1</sup>Research Institute for Electronic Science, Hokkaido Univ. · <sup>2</sup>Center for Emergent Functional Matter Science National Chiao Tung Univ.) OJO, Haruki<sup>1</sup> · OSHIKIRI, Tomoya<sup>1</sup> · XU, Shi<sup>1</sup> · MISAWA, Hiroaki<sup>1,2</sup>
- 1P140** Synthesis and Luminescence Properties of Novel Phosphorescent Bismuth(III) Complexes Bearing Cyclometalated Ligands (<sup>1</sup>Grad. Sch. Eng., Osaka Pref. Univ.) OYOSHIMURA, Yasuki<sup>1</sup> · OKAMURA, Naoki<sup>1</sup> · MAEDA, Takeshi<sup>1</sup> · YAGI, Shigeyuki<sup>1</sup>
- 1P141** Synthesis and Properties of Blue-Emitting Iridium Complexes based on substituted phenyl pyridine Groups as Luminescent Ligands. (<sup>1</sup>Graduate School of Material Science, Josai Univ. · <sup>2</sup>Department of chemistry, Faculty Science, Josai Univ. · <sup>3</sup>Advanced Industrial Science and Technology) OWAKATSUKI, Daisuke<sup>1</sup> · OGAWA, Miyuki<sup>2</sup> · SUZUKI, Mitsuaki<sup>1</sup> · HASHIMOTO, Masashi<sup>1</sup> · KONNO, Hideo<sup>3</sup> · KOIKE, Kazuhide<sup>3</sup>
- 1P142** Photokinetic Study on Excimer Phosphorescence from Cyclometalated Platinum(II) Complexes (<sup>1</sup>Grad. Sch. Eng., Osaka Pref. Univ.) OUEDA, Satoshi<sup>1</sup> · OKAMURA, Naoki<sup>1</sup> · MAEDA, Takeshi<sup>1</sup> · YAGI, Shigeyuki<sup>1</sup>
- 1P143** Analysis of Mechanochromic Luminescence Phenomena Using Laser-Induced Shock Waves (<sup>1</sup>Chemical Graduate School of Sciences and Engineering, Hokkaido Univ. · <sup>2</sup>Grad. Sch. Sci., Hokkaido Univ. · <sup>3</sup>Toyota Physical and Chemical Research Institute) OKITAMURA, Yuko<sup>1</sup> · FUJII, Syo<sup>1,2</sup> · MIURA, Atsushi<sup>1,2</sup> · UENO, Kosei<sup>1,2</sup> · KITAMURA, Noboru<sup>3</sup>
- 1P144** Photomechanical Behavior of Polymorphic Salicylideneaniline Crystals (<sup>1</sup>Sch. Advanced. Sci. Eng., Waseda Univ., · <sup>2</sup>Grad. Sch. Sci. Eng., Ehime Univ., · <sup>3</sup>Grad. Sch. Advanced. Sci. Eng., Waseda Univ., · <sup>4</sup>Center for Data Sci., Waseda Univ., · <sup>5</sup>Res. Org. Nano & Life Innovat., Waseda Univ) OHASEBE, Shodai<sup>1</sup> · YAMAOKA, Yohei<sup>2</sup> · HAGIWARA, Yuki<sup>3</sup> · TANIGUCHI, Takuya<sup>4</sup> · ASAHI, Toru<sup>1,3,5</sup> · KOSHIMA, Hideko<sup>5</sup>
- 1P145** Mesomorphic Property and Crystal Structure of Cholesteryl Benzoate with 7-(Diethylamino)coumarin (<sup>1</sup>Hokkai-Gakuen Univ. · <sup>2</sup>Kyushu Univ. · <sup>3</sup>Health Sciences Univ. of Hokkaido) OKUBO, Kanji<sup>1</sup> · MATSUMOTO, Taisuke<sup>2</sup> · TAKECHI, Haruko<sup>3</sup>
- 1P146** Non-linear light-harvesting capability with pressurizaion on chiral nanofibers (<sup>1</sup>NAIST) OYONEZAWA, Shumpei<sup>1</sup> · Sethy, Ramarani<sup>1</sup> · KAWAI, Tsuyoshi<sup>1</sup> · NAKASHIMA, Takuya<sup>1</sup>
- 1P147** Preparation of platinum porphyrin nanoparticle colloid by laser ablation in liquid (<sup>1</sup>Grad. Sch. Sci. Eng., Ehime Univ. · <sup>2</sup>Grad. Sch. Sci. Eng., Ehime Univ. · <sup>3</sup>Grad. Sch. Sci. Eng., Ehime Univ. · <sup>4</sup>Grad. Sch. Sci. Eng., Ehime Univ. · <sup>5</sup>Grad. Sch. Sci. Eng., Ehime Univ.) OYUKIHIRO, Eiji<sup>1</sup> · HIMEDA, Taisei<sup>1</sup> · KIHARA, Ryou<sup>1</sup> · ISHIBASHI, Yukihide<sup>1</sup> · ASAHI, Tsuyoshi<sup>1</sup>
- 1P148** Coumarin-dihydroperimidine dye as a fluorescent receptor for hypochlorite. (<sup>1</sup>Research Center for Solar



Energy Chemistry, Osaka Univ. · <sup>2</sup>Graduate School of Engineering Science, Osaka Univ. · <sup>3</sup>JST-PRESTO)  
○YAMADA, Chiharu<sup>1,2</sup> · SHIRAISHI, Yasuhiro<sup>1,2,3</sup> · HIRAI, Takayuki<sup>1,2</sup>

- 1P149** photo- and oxidation- isomerization of terarylene 7-mer based on  $\beta$ -cyclodextrine. (<sup>1</sup>NAIST · <sup>2</sup>ENS Paris-Saclay) ○NISHI, Daichi<sup>1</sup> · ASATO, Ryosuke<sup>1</sup> · MIZUTSU, Ryo<sup>1</sup> · MAISONNEUVE, Stéphane<sup>2</sup> · XIE, Joanne<sup>2</sup> · YAMADA, MIHOKO<sup>1</sup> · NAKASHIMA, Takuya<sup>1</sup> · KAWAI, Tsuyoshi<sup>1</sup>
- 1P150** Photo-Induced Catalytic Reaction with Photo-Lewis Generator Based on Photochromic Terarylene (<sup>1</sup>NAIST) ○MIZUTSU, Ryo<sup>1</sup> · YAMADA, Mihoko<sup>1</sup> · YAMADA, Miku<sup>1</sup> · NAKASHIMA, Takuya<sup>1</sup> · KAWAI, Tsuyoshi<sup>1</sup>
- 1P151** Influence of singlet oxygen on color-fading of organic dye particles by light irradiation (<sup>1</sup>Material Sci. and Tec., Nagaoka Univ. of Tech. · <sup>2</sup>Material Sci. and Tec., Nagaoka Univ. of Tech.) ○OTSUKA, Naoshi<sup>1</sup> · TAKAHASHI, Yukiko<sup>2</sup>