

15:00-16:40

- 3P001 Photoisomerization of proline isolated in low-temperature matrix (Tokyo Tech) AKAI, Nobuyuki; KAWAI, Akio; SHIBUYA, Kazuhiko
- 3P002 Charge carrier dynamics in nitrogen-doped Ta₂O₅ powder (Toyota Central R&D Labs) YAMANAKA, Ken-ichi; SATO, Shunsuke; KAJINO, Tsutomu; MORIKAWA, Takeshi
- 3P003 Photochemical reaction of a pentacene diketone derivative in crystalline phase (Ehime Univ., NAIST, JST-CREST) ITOH, Hozumi; ASAHI, Tsuyoshi; AOTAKE, Tatsuya; YAMADA, Hiroko
- 3P004 Preparation of flavonoids nanoparticles by laser ablation in water (Ehime Univ.) FUJIMURA, Tatsuya; NGUYEN THI YEN, Minh; ASAHI, Tsuyoshi
- 3P005 Dynamics of excited state of betaine derivative and solvation dynamics (Osaka Univ.) NAGASAWA, Yutaka; KONDO, Shin; MURAMATSU, Masayasu; MIYASAKA, Hiroshi
- 3P006 Ultrafast intramolecular electron transfer dynamics in ionic liquids: effect of symmetry of solute molecules (Osaka Univ.) MORISHIMA, Satoe; MURAMATSU, Masayasu; NAGASAWA, Yutaka; MIYASAKA, Hiroshi
- 3P007 Syntheses of step- π -conjugated polymers and their application for photoenergy conversion system (40) Synthesis and electrochemical properties of polymers containing ferrocene moieties (Kansai Univ.) TANIMOTO, Shintaro; AOTA, Hiroyuki; MATSUMOTO, Akira
- 3P008 Syntheses of step- π -conjugated polymer and their application for photoenergy conversion systems(39)- Introduction of porphyrin for absorbing visible light (Kansai Univ.) YAMAGUCHI, Tomoaki; AOTA, Hiroyuki; MATSUMOTO, Akira
- 3P009 Application of addition-condensation products of pyrrole with aldehyde for photoenergy conversion devices (22)Attempt of solar cell using molecular wire (Kansai Univ.) MIYAMOTO, Hikaru; ISHIKAWA, Takeshi; AOTA, Hiroyuki; MATSUMOTO, Akira
- 3P010 Organic photovoltaic cells using the TiO₂-TCNX surface complexes: coadsorption effects of benzoic acid derivatives (Univ. of Tokyo) NAGATA, Morio; FUJISAWA, Jun-ichi; NAKAZAKI, Jotaro; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi
- 3P011 Fluorescence behavior of single quantum dot- silver nanorod systems II (Kyoto Inst. of Tech., Kwansei Gakuin Univ.) FUKUBA, Mitsunari; MASUO, Sadahiro; MACHIDA, Shinjiro; ITAYA, Akira
- 3P012 A study on photophysical dynamics of Atto dyes for super-resolution fluorescence Microscopy (Tokyo Tech) YABIKU, Yu; HABUCHI, Satoshi; VACHA, Martin
- 3P013 Emission behavior of a single quantum dot interacting with plasmon using a confocal microscope combined with AFM (Kwansei Gakuin Univ.) UEDAO, Toshihisa; MASUO, Sadahiro
- 3P014 Study of single antenna complexes from green sulfur bacteria and its mutant by using light absorption anisotropy (Tokyo Tech, South Bohemia Univ., Penn. State Univ.) FURUMAKI, Shu; VACHA, Frantisek; HABUCHI, Satoshi; TSUKATANI, Yusuke; BRYANT, Donald; VACHA, Martin
- 3P015 Super-resolution imaging of micro domain structure in polymer film using fluorescent microscopy (Kyoto Inst. of Tech., Kwansei Gakuin Univ.) SHIOYAMA, Akane; MASUO, Sadahiro; MACHIDA, Shinjiro; ITAYA, Akira
- 3P016 Properties of exciplex fluorescence revealed by single molecule spectroscopyII (Kyoto Inst. of Tech., Kwansei Gakuin Univ.) SUGIYAMA, Dai; YAMANE, Yasumasa; MASUO, Sadahiro; MACHIDA, Shinjiro; ITAYA, Akira
- 3P017 CW laser-induced transformations of single gold nanoparticles (Univ. of Tokushima) SHIRAISHI,

Ryouwya; SETOURA, Kenji; HASHIMOTO, Shuichi

- 3P018 Preparation and photophysical characterization of conjugated polymer / block copolymer composite (Tokyo Tech) HONMOU, Yoshihiro; OSAWA, Yuta; HABUCHI, Satoshi; HADANO, Shingo; IYODA, Tomokazu; VACHA, Martin
- 3P019 Effect of acid on the phosphorescence of amino-substituted benzophenones (Kyoto Inst. of Tech.) ICHINOSE, Nobuyuki; NAGAHARA, Tetsuhiko; SHIBAHARA, Kei
- 3P020 Development of ratiometric oxygen sensors based on simultaneous observation of fluorescence and phosphorescence (Gunma Univ.) MASHIMA, Kenta; YOSHIHARA, Toshitada; TOBITA, Seiji;
- 3P021 Correction for the inner-filter effect in chemiluminescence by Monte Carlo integration and application to evaluation of food for health progress (Hamamatsu Photonics K.K.) SATOZONO, Hiroshi; KAZUMURA, Kimiko
- 3P022 Emission color change of ethynylquinoline derivative in complex formation with zinc ion (NAIST) YAMADA, Masataka; YUASA, Junpei; KAWAI, Tsuyoshi
- 3P023 Theoretical studies of the absorption/emission properties of dinaphthylhexatrienes (AIST) SONODA, Yoriko; SHIMOI, Yukihiro; TSUZUKI, Seiji; KANESATO, Masatoshi
- 3P024 Theoretical study on Pt complex of o-phenylenediamine ligand (Tokyo Tech, Tokyo Univ. of Pharmacy and Life Sciences, Rikkyo Univ., RIKEN) NAKATA, Hiroya; UCHIDA, Waka; YUKI, Taichi; YOKOJIMA, Satoshi; MATSUSHITA, Nobuyuki; NAKAMURA, Shinnichi
- 3P025 Supramolecular formation of cyclo[8]pyrrole by anion binding and photoinduced charge separation (Osaka Univ., JST-ALCA, Univ. Texas Austin, Univ. Houston) MASE, Kentaro; OHKUBO, Kei; KARNAS, Elizabeth; SESSLER, Jonathan L; KADISH, Karl M; FUKUZUMI, Shunichi
- 3P026 Orientational structure and electronic coupling of photoinduced charge-separated states in Human Serum Albumin - Anthraquinone-1-Sulfonate Complex (Shizuoka Univ., JST-PRESTO) FUKI, Masaaki; MURAI, Hisao; KOBORI, Yasuhiro
- 3P027 Effect of the molecular conformation of the tetrasilane spacer on the electronic coupling of the photoinduced charge-separated states in fullerene-zinc-porphyrin dyads (Shizuoka Univ., Univ. of Tokyo, RIKEN, JST-PRESTO) NAGATA, Hiroto; TSUJI, Hayato; TAMAO, Kohei; MURAI, Hisao; KOBORI, Yasuhiro
- 3P028 Growth and dissolution of mm-sized glycine dense liquid droplet triggered by laser trapping of nm-sized glycine clusters (NCTU, NAIST, ITRC) YUYAMA, Ken-ichi; SUGIYAMA, Teruki; MASUHARA, Hiroshi
- 3P029 Investigation of the light-induced crystallization technique of protein (Gunma Univ., JST-PRESTO) KUROIWA, Takashi; KOBAYASHI, Kenta; HORIUCHI, Hiroaki; HIRATSUKA, Hiroshi; OKUTSU, Tetsuo
- 3P030 Plasmon-based optical trapping of nanoparticles with femtosecond pulsed laser excitation (Hokkaido Univ., Osaka Pref. Univ., JST-PRESTO) SHOJI, Tatsuya; SHIBATA, Michiko; TOSHIMITSU, Mariko; TAKASE, Mai; MURAKOSHI, Kei; ISHIHARA, Hajime; KITAMURA, Noboru; TSUBOI, Yasuyuki
- 3P031 Plasmon-based optical trapping of polymer chains labeled with fluorescent probe (Hokkaido Univ., Tokyo Tech, Osaka Univ., JST-PRESTO) TOSHIMITSU, Mariko; SHOJI, Tatsuya; KITAMURA, Noboru; MATSUMURA, Yuriko; YAMAUCHI, Hiroaki; ITO, Syoji; MIYASAKA, Hiroshi; TAKASE, Mai; MURAKOSHI, Kei; MIZUMOTO, Yoshihiko; ISHIHARA, Hajime; TSUBOI, Yasuyuki
- 3P032 Plasmon-based optical trapping of polymer nanobeads: size and excitation light intensity dependences (Hokkaido Univ., Osaka Univ., JST-PRESTO) SHIBATA, Michiko; SHOJI, Tatsuya; KITAMURA, Noboru; TAKASE, Mai; MURAKOSHI, Kei; YAMAUCHI, Hiroaki; ITO, Syoji; MIYASAKA, Hiroshi; TSUBOI, Yasuyuki

- 3P033 Laser trapping and Raman spectroscopy of single aqueous ammonium sulfate droplets in air (Hokkaido Univ.; JST-PRESTO) YAMAUCHI, Kunihiro; ISHIZAKA, Shoji; KITAMURA, Noboru
- 3P034 Enhanced fluorescence of fluorescent conjugated polymer by localized surface plasmon resonance (Kwansei Gakuin Univ.) KANAYA, Yoshiki; MASUO, Sadahiro
- 3P035 Excitation wavelength dependence of plasmonic enhancement effect of gold nanoparticle on photochromic reaction of diarylethene (Ehime Univ., Osaka City Univ.) MORI, Takuya; NISHI, Hiroyasu; KOBATAKE, Seiya; ASAH, Tsuyoshi
- 3P036 Photofabrication of hybrid nanomaterials by electron transfer reactions on the surface of semiconductor quantum dots (AIST, JST-PRESTO) BIJU, Vasudevanpillai; ISHIKAWA, Mitsuru
- 3P037 Electron transfer and multiexciton dynamics in CdTe quantum dots by femtosecond laser spectroscopy (Kwansei Gakuin Univ.) PRIHASTYANTI, Monika Nur Utami; TAMAI, Naoto
- 3P038 Photoreaction of Me-TMPyP under visible-irradiation in the presence of aminoacids and serum albumin (Okayama Univ.) CHUJO, Yui; SHIBAHARA, Saki; INOUCHI, Masahiko, ODO, Junichi
- 3P039 Size-dependent phase modulation of individually trapped liquid crystal micro-droplets (National Chiao Tung Univ.) CHIANG, Wei-Yi(江威逸); USMAN, Anwar; UWADA, Takayuki(宇和田貴之); MASUHARA, Hiroshi (増原宏)
- 3P040 Laser-induced local reorientation dynamics leading to the formation and expansion of a domain in nematic liquid crystals (National Chiao Tung Univ.) USMAN, Anwar; UWADA, Takayuki(宇和田貴之); MASUHARA, Hiroshi (増原宏)
- 3P041 Synthesis and optical properties of fluorene array linked with butadiyne (Univ. Yamanashi) AMANO, Tatsuya; OGAWA, Kazuya
- 3P042 Synthesis and optical properties of π -conjugated imidazolium compounds obtained via coupling reaction and nucleophilic substitution reaction (Nagoya Inst. of Tech.) ITO, Yohei; SAKAIDA, Masanori; SUZUKI, Masato; MATSUOKA, Shin-ichi; TAKAGI, Koji
- 3P043 Synthesis and photophysical properties of π -extended molecules from 1-aminocarbazole (Osaka Kyoiku Univ.) HORI, Kazushige; ANDO, Maki; KAWAMOTO, Masaya; TANI, Keita
- 3P044 Photoreactivities of 1-(2-methoxynaphthalen-1-ylmethoxy)pyrene and related derivatives and their abilities to initiate photopolymerizations (Kanagawa Univ.) UCHIDA, Naoki; IGARASHI, Tetsutaro; SAKURAI, Tadamitsu
- 3P045 Intramolecular electron transfer for visible light photopolymerization (Universite de Haute Alsac) KAWAMURA, Koichi; ALLONAS, Xavier; LEY, Christian; SALMI, Hanene; SCHMITT, Julien
- 3P046 Conversion of ring-size and ring-type of macrocyclic compounds via photochemical decarboxylation (Univ. of Fukui, Iwate Medical Univ., Ritsumeikan Univ.) NISHIKAWA, Keisuke; YOSHIMI, Yasuharu; HATANAKA, Minoru; ITOU, Tatsuya; OKADA, Yutaka
- 3P047 Photo-Fries rearrangement of 4-*tert*-butylcalix[8]arenes having acyloxyphenyl group and photoinduced refractive index changes of the film (Kanagawa Univ.) ARAI, Taichi; IGARASHI, Tetsutaro; SAKURAI, Tadamitsu
- 3P048 Development of photochemical oxygenation system sensitized by ubiquitous metalloporphyrins (Tokyo Metropolitan Univ.) GOMI, Yuki; KIYOOKA, Ryuuichi; NABETANI, Yu; SHIMADA, Tetsuya; TACHIBANA, Hiroshi; INOUE, Haruo
- 3P049 The synthesis and photochemical properties of 5,14-diketopentacene (Ehime Univ., NAIST, JST-CREST) AOTAKE, Tatsuya; YAMASHITA, Yuko; MORI, Shigeki; OKUJIMA, Tetsuo; UNO, Hidemitsu; YAMADA, Hiroko
- 3P050 Synthesis and photophysical properties of naphthalimide bearing poly ether chain (Gunma National College of Technology) OHKURA, Yusuke; NAKAJIMA, Satoshi
- 3P051 Synthesis and photochromic properties of [2.2]cyclophan-ene-1,2-diols (Saga Univ.)

HIROWATARI, Takuya; YAMAGUCHI, Shouhei; TAKESHITA, Michinori

- 3P052 Polymerization of photochromic thiophenophan-1-ene (Saga Univ.) MATSUOKA, Toshihiro; KAKIZOE, Hitoshi; TAKESHITA, Michinori
- 3P053 Synthesis and photochromic properties of thiophenophanes having phenyl groups at 4,4'-positions (Saga Univ.) HACCHO, Natsumi; TAKAGAKI, Yuji; KINOSHITA, Takeharu; TAKESHITA, Michinori
- 3P054 Synthesis of azothiophenes (Saga Univ.) YAMADA, Go; KITAMURA, Takashi; TAKESHITA, Michinori
- 3P055 Photochromism of novel bisarylindenols derivatives with bulky substituents (Yokohama National Univ.) OGAWA, Hatsune; UBUKATA, Takashi; YOKOYAMA, Yasushi
- 3P056 Enantioselective photochromism of diarylethenes in human serum albumin (Yokohama National Univ.) FUKAGAWA, Mai; UBUKATA, Takashi; YOKOYAMA, Yasushi
- 3P057 Synthesis and photochromism of diarylethene having pyrenyl moiety (Kitasato Univ.) SAITO, Wataru; INADA, Taeko
- 3P058 Circularly polarized luminescence (CPL) properties of axial chiral compounds and their supermolecular complexes with amine derivatives (Kinki Univ., Univ. of Tokyo, NAIST) KINUTA, Takafumi; SHIOTA, Naoki; SATO, Tomohiro; TOKUTOME, Hayato; KURODA, Reiko; FUJIKI, Michiya; MATSUBARA, Yoshio; MIYAZAWA, Mitsuo; IMAI, Yoshitane
- 3P059 Preparation of chiral supramolecular organic fluorophore using phenyl sulfonic acid and chiral amine derivatives (Kinki Univ., NAIST, The Univ. of Tokyo) OKUNO, Takahiro; SHIOTA, Naoki; KINUTA, Takafumi; SATO, Tomohiro; NAKANO, Yoko; TOKUTOME, Hayato; FUJIKI, Michiya; KURODA, Reiko; MATSUBARA, Yoshio; IMAI, Yoshitane
- 3P060 Probing of the molecular chirality by single-molecule fluorescence detection (Hokkaido Univ., JST-PRESTO, Tokyo Univ. of Pharm. and Life Sci., RIKEN, NAIST, Rikkyo Univ.) FUKAMINATO, Tsuyoshi; WAKABAYASHI, Masamitsu; YOKOJIMA, Satoshi; NAKAMURA, Shinichiro; HASEGAWA, Yasuchika; TSUMATORI, Hiroyuki; NAKASHIMA, Takuya; KAWAI, Tsuyoshi; IRIE, Masahiro
- 3P061 Generation and amplification of chirality by photo-racemization and preferential crystallization (Chiba Univ.) SAKAMOTO, Masami; YAGISHITA, Fumitoshi; MINO, Takashi; FUJITA, Tsutomu
- 3P062 Supramolecular enantiodifferentiating photocyclodimerization of 2-anthracene-carboxylate with phage display technique-2 (Tohoku Univ., Univ. of Tokyo, Osaka Univ.) MIYACHI, Ayumi; SUGAWARA, Yui; MINATO, Sakie; SAKAMOTO, Seiji; NAKAKIDO, Makoto; UI, Mihoko; ARAKI, Yasuyuki; TSUMOTO, Kohei; KINBARA, Kazushi; INOUE, Yoshihisa; WADA, Takehiko
- 3P063 Visualization of the binding of drug molecules to Human Serum albumin by fluorescent probe displacement (Shibaura Inst. of Tech.) SAKATANI, Yoshiaki; NAKAMURA, Asao
- 3P064 Solid-state emission of carbazole-quinoline compounds resposible to external stimuli (Kyushu-Univ.) ABE, Yuichiro; KARASAWA, Satoru; KOGA, Noboru
- 3P065 Photochemistry of 2-(2'-Hydroxyphenyl) benzimidazole derivatives (Univ.of Tsukuba) KOBAYASHI, Takuya; ARAI, Tatsuo
- 3P066 Preparation of anthracenedicarbohydrazide modified with dipicolylaminomethyl receptors and its chemiluminescence response to metal cations (Okayama Univ.) OKAMOTO, Hideki; YAMASAKI, Naomi; MATSUI, Ayako; SATAKE, Kyosuke
- 3P067 Novel photo-alignment materials including benzophenone chromophore (Univ. Chiba, JSR Co., Ltd) SAKAMOTO, Masami; SUNAOSHI, Kazushi; YOSHIDA, Wataru; MINO, Takashi; FUJITA, Tsutomu; YASUDA, Hiroyuki; NAGAO, Takashi; NISHIKAWA, Michinori
- 3P068 Photochemical reaction of hexafluoro[3₃](1,3,5)cyclophane: isolation and reaction of caged diene

- (Kyushu Univ., Academia Sinica, Taiwan, Okayama Univ., Kagoshima Univ.) AUNG, Si Si; ZHANG, Yuan; WATANABE, Motonori; GOTO, Kenta; OKAMOTO, Hideki; SHIMO, Tetsuro; SHINMYOZU, Teruo
- 3P069 Intramolecular [2+2] photocycloaddition reaction of chromone derivatives (Chiba Univ.) SAKAMOTO, Masami; YOSHIDA, Wataru; YOSHIWARA, Kazuya; MINO, Takashi; FUJITA, Tsutomu
- 3P070 One-Pot synthesis of macrocyclic compounds using photocycloaddition of di-2-pyrones having various spacers with α, ω -diolefins (Kagoshima Univ.) KAWABATA, Kazuya; SHIMO, Tetsuro
- 3P071 Fluorogenic reagent for amines for the production of an environment-sensitive fluorophore (Univ. of Tokyo, Gunma Univ.) KAWAMOTO, Kyoko; UCHIYAMA, Seiichi; KIMURA, Koki; YOSHIHARA, Toshitada; TOBITA, Seiji
- 3P072 Development of fluorescent dyes based on Cypridina bioluminescence: structure and properties of the excited states of oxyluciferin derivatives (UEC Tokyo) HIRANO, Takashi; TAKAHASHI, Yuto; NAKAGAWA, Tatsuki; KODAKA, Ai; MAKI, Shojiro; NIWA, Haruki
- 3P073 Fluorescence switching of novel photochromic quinolinones possessing fluorescence unit on the ethene moiety (Yokohama National Univ.) SUZUKI, Kazushi; UBUKATA, Takashi; YOKOYAMA, Yasushi
- 3P074 Photoreaction mechanism of fluorescence quenching method of two-photon recording material (FUJIFILM Corporation) TANABE, Mamoru; SIBAMOTO, Tadao; SHIRATUTTI, Setuko; NAKAMURA, Takumi; KITAHARA, Toshiyuki; AKIBA, Masaharu; MIYASHITA, Yousuke
- 3P075 Substituent effect on the efficient solid-state ESIPT luminescence of imidazopyridine derivatives (Univ. of Tokyo) SAWATANI, Hirotaka; SHONO, Hideaki; OHKAWA, Tatsuya; MUTAI, Toshiki; ARAKI, Koji
- 3P076 Photochemical characteristics of poly (glutamate)dendrimers (Univ. of Tsukuba) IKEDA, Megumi; MOMOTAKE, Atsuya; ARAI, Tatsuo
- 3P077 Photoreduction of carbon dioxide using novel rhenium complexes in vesicles (Univ. of Tokyo) IKUTA, Naoya; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 3P078 Synthesis of *N*-acylamino-substituted doxetanes bearing a bulky aromatic substituent and thier base-induced chemiluminescent decomposition (Kanagawa Univ.) WATANABE, Nobuko; MATSUMOTO, Kairi; IJUIN, K. Hisako; MATSUMOTO, Masakatsu
- 3P079 Construction of hydrogen evolving system with simultaneous water oxidation and oxygenation of substrates by metallo-porphyrins (Tokyo Metro Univ.) KURIMOTO, Kazunori; NABETANI, Yu; SHIMADA, Tetsuya; TACHIBANA, Hiroshi; INOUE, Haruo
- 3P080 Computational study of structural and substituent effect on the two-photon absorption ability (Univ. Hiroshima, JST-CREST) ITOH, Shuheji; ABE, Manabu
- 3P081 Photochemical hydrogen generation using a novel Pt molecular catalyst in vesicles (Univ. of Tokyo) SUZUKI, Marina; WATANABE, Kentaro; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 3P082 [2+2]photocycloaddition of 4-aryl-1-pyridylbutadienes using cation- π interactions (Ochanomizu Univ.) AYA, Kanae; YAMADA, Shinji
- 3P083 Study on photoinduced electron transfer reaction to induce highly efficient photolysis for caged glutamates (Univ. of Tsukuba) MORIYAMA, Haruka; MOMOTAKE, Atsuya; NISHIMURA, Yoshinobu; ARAI, Tatsuo
- 3P084 Singlet oxygen photosensitization of water-soluble antimony porphyrin complex adsorbed on phospholipid liposome (Univ. of Miyazaki) BEPPU, Toshinori; MATSUMOTO, Jin; SHIRAGAMI, Tsutomu; YASUDA, Masahide
- 3P085 Singlet oxygen generation photosensitized by porphyrin in the DNA microenvironment (Shizuoka Univ., Hamamatsu Univ. School of Medicine, Univ. of Tsukuba, Nagaoka Univ. of Technology) HIRAKAWA, Kazutaka; HIRANO, Toru; NISHIMURA, Yoshinobu; ARAI, Tatsuo;

NOSAKA, Yoshio

- 3P086 Control of photoreaction of 4-aryl-1,1-dicyanobutenes using charge-transfer interaction (Osaka Univ.) ITO, Jin; AOKI, Yoshiaki; NISHIUCHI, Emi; MORI, Tadashi; FUKUHARA, Gaku; YANG, Cheng; INOUE, Yoshihisa
- 3P087 Charge separation in DNA using fluorescent dyes as photosensitizers (Osaka Univ.) KAWAI, Kiyohiko; MATSUTANI, Eri; MAJIMA, Tetsuro
- 3P088 Synthesis and spectroscopic properties of perfluoroalkyl-substituted ruthenium complexes (Shizuoka Univ.) TAKAHASHI, Masaki; KAWAKOSHI, Tomohito; SENGOKU, Tetsuya; YODA, Hidemi
- 3P089 Emission analyses of the excited triplet trimethylenemethane biradical by using thermoluminescence method and double laser technique (Osaka Pref. Univ.) MATSUI, Yasunori; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 3P090 Enhanced toxic effect of AC magnetic-field induced and photoexcited Fe₃O₄@TiO₂ core-shell nanocomposite against human epithelial carcinoma (HeLa) cells (Kagoshima Univ.) ISLAM, Md. Shariful; KUSUMOTO, Yoshihumi; ABDULLA-AL- MAMUN, Md
- 3P091 Photochemical energy transfer reaction from pyrene to porphyrin on the clay surface (Tokyo Metropolitan Univ., JSPS-DC1, JST-PRESTO) HAGIWARA, Satomi; ISHIDA, Yohei; MASUI, Dai; SHIMADA, Tetsuya; INOUE, Haruo; TAKAGI, Shinsuke
- 3P092 A spectroscopic study on plasmonic strong coupling states between J-aggregates and gold nanostructures (Hokkaido Univ., JST-PRESTO) MUTO, Masamitsu; UENO, Kosei; MISAWA, Hiroaki
- 3P093 Spectroscopic properties of two-photon photoluminescence from gold nanostructures under organic dye molecule existence (Hokkaido Univ., JST-PRESTO) NAKATANI, Mitsuhiro; KOTAKE, Yuki; AOYO, Daisuke; UENO, Kosei; MISAWA, Hiroaki
- 3P094 Optical and photoelectrochemical properties of phthalocyanine dye/gold nanoparticles LBL thin films (Kumamoto Univ.) MURATA, Yumi; KUWAHARA, Yutaka; OGATA, Tomonari; YAMADA, Sunao; KURIHARA, Seiji
- 3P095 Spectral changes of self-assembly of zinc bacteriochlorophyll *d* derivatives possessing ethoxysilyl groups by hydrolysis of the ethoxysilyl moiety (Kinki Univ., Ritsumeikan Univ.) SAGA, Yoshitaka; TAKAHASHI, Naoya; TAMIaki, Hitoshi
- 3P096 Synthesis and self-aggregation of amphiphilic zinc chlorin dyads (Ryukoku Univ., Ritsumeikan Univ.) MIYATAKE, Tomohiro; HIRAI, Ryoji; SASAKI, Fumika; TAMIaki, Hitoshi
- 3P097 Photo- and electrochemical properties of chlorophyll derivatives (Ryukoku Univ.) MIYATAKE, Tomohiro; HIEDA, Masato; KASUNO, Megumi
- 3P098 Control of crystal growth and solid surface properties using a photochromic diarylethene (Osaka City Univ.) KITAGAWA, Daichi; KOBATAKE, Seiya
- 3P099 Photoinduced crystal melting and crystal growth of photochromic diarylethenes (Osaka City Univ.) KITAGAWA, Daichi; KOBATAKE, Seiya
- 3P100 Synthesis of stimuli-responsive polymers with diarylethene as the end group and optical property of gold nanoparticles covered with the polymer (Osaka City Univ.) IMAO, Shotaro; NISHI, Hiroyasu; KOBATAKE, Seiya
- 3P101 Substituent effects in thermal and photochemical reactions of diarylethenes (Osaka City Univ.) SHOJI, Hiroaki; KITAGAWA, Daichi; KOBATAKE, Seiya
- 3P102 Photochromism and fluorescence of dithiazolylethene derivatives having anthracene groups (Hokkaido Univ., Rikkyo Univ.) OHARA, Hiroki; MORIMOTO, Masakazu; FUKAMINATO, Tuyoshi; TAMAOKI, Nobuyuki; IRIE, Masahiro
- 3P103 Synthesis and photochromic properties of bisbenzothienylthiazole derivatives having aminophenyl group (NAIST) KUTSUNUGI, Yuichiro; NAKASHIMA, Takuya; KAWAI, Tsuyoshi

- 3P104 Hydrogen generation from water using Pt-loaded TiO₂ photocatalyst and biomass (Miyakonojo National College of Technology, Univ. of Miyazaki) TOKUDOME, Yukika; YAMASHITA, Toshiaki; MATSUMOTO, Jin; SHIRAGAMI, Tsutome; YASUDA, Masahide
- 3P105 Mobility of guest molecules in mesoporous organosilica evaluated with single molecule tracking techniques (Osaka Univ., Toyota Central R&D Labs., Inc. JST-PRESTO, JST-CREST) YAMADA, Keisuke; ITO, Syoji; MIYASAKA, Hiroshi; MIZOSHITA, Norihiro; MAEGAWA, Yoshifumi; TANI, Takao; INAGAKI, Shinji
- 3P107 Synthesis of zwitterionic porphyrins and the formation behavior of three dimensional structures on the clay surface (Tokyo Metropolitan Univ., JST-PRESTO) EYAMA, Takaaki; YOGO, Yuko; SHIMADA, Tetsuya; MASUI, Dai; TACHIBANA, Hiroshi; INOUE, Haruo; TAKAGI, Shinsuke
- 3P108 Synthesis and photoluminescent properties of a liquid-crystalline 9,9'-bianthryl derivative (Univ. of Tokyo) YAMANE, Shogo; SAGARA, Yoshimitsu; KATO, Takashi
- 3P109 Fe(III)-grafted Fe doped TiO₂: an efficient visible light photocatalyst (Univ. of Tokyo, Tokyo Tech) LIU, Min(劉敏); MIYAUCHI, Masahiro(宮内雅浩); QIU, Xiaoqing(邱曉清); HASHIMOTO, Kazuhito(橋本和仁)
- 3P110 Coordination structure of Eu complexes with 4,4' - bipyridine and their amplified spontaneous emission (Shizuoka Univ. SHIBATA, Yoh; KAWAI, Hideki
- 3P111 Luminescence behavior in the aggregation of benzothiazole derivertive (Chiba Univ.) NISHIZAWA, Keisuke; LIN, Xu; SAMATA, Daisuke; YAGAI, Shiki; KITAMURA, Akihide; KARATSU, Takashi
- 3P112 Preparation and characterization of titanium oxide photocatalytic reactor with porous glass waveguide (Shinshu Univ.) USAMI, Hisanao; INAGAWA, Shinobu
- 3P113 Photocatalytic degradation of 4-chlorophenol on TiO₂ doped with Pt ion under visible light irradiation (Yamaguchi Univ.) FUJIWARA, Yuhei; ADACHI, Kenta; KITA, Hidetoshi; YAMAZAKI, Suzuko
- 3P114 Factors controlling size and coverage of Cu particles deposited on TiO₂ films (Yamaguchi Univ.) IKEDA, Shinya; ADACHI, Kenta; YAMAZAKI, Suzuko
- 3P115 Degradation of trichloroethylene using TiO₂/WO₃ hybrid photocatalyst (Yamaguchi Univ.) SEYAMA, Tomoaki; ICHIKAWA, Keiko; ADACHI, Kenta; YAMAZAKI, Suzuko
- 3P116 Multifunctional Cu_xO/TiO₂ nanocomposite with high photocatalytic visible-light-activity and anti-virus properties (Univ. of Tokyo, Tokyo Tech) QIU, Xiaoqing; LIU, Min; HASHIMOTO, Kazuhito; MIYAUCHI, Masahiro