

18:20-20:00

- 1P001 Ultrafast formation dynamics of triplet exciton in polyfluorene films with different planarity of conjugated chain (Kyoto Univ. JST-PRESTO) TAMAI, Yasunari; OHKITA, Hideo; BENTEN, Hiroaki; ITO, Shinzaburo
- 1P002 Preparation and characterization of gold nanoparticles and gold nanorods using novel thiol derivatives (Kagoshima Univ.) ISHIDA, Takuya; MIYATSU, Chikako; DESHIMARU, Megumi; OKAMURA, Hiroaki; KURAWAKI, Junichi
- 1P004 Preparation and characterization of polypeptide-protected gold nanoparticles via ultrasonic irradiation (Kagoshima Univ.) MISUMI, Takara; TUN, Myint; KURAWAKI, Junichi
- 1P005 Emission color change in multistep assembly between imidazolylanthracene and zinc ion (NAIST) OGAWA, Takuya; YUASA, Junpei; KAWAI, Tsuyoshi
- 1P006 Reaction dynamics of excited ketoprofen with amino acids (Aoyama Gakuin Univ.) SHINODA, Mio; ISOZAKI, Tasuku; SUZUKI, Tadashi
- 1P007 Effect of electrolyte modulated conduction band edge shift on electron injection dynamics in dye-sensitized solar cell (Univ. of Tsukuba, AIST, Shinshu Univ., Univ. of Wollongong) SUNAHARA, Kenji; FURUBE, Akihiro; KATOH, Ryuzi; MORI, Shogo; GRIFFITH, Matthew; WALLACE, Gordon; WAGNER, Pawel; OFFICER, David; MOZER, Attila
- 1P008 Size and shape controls of Ag nanoparticles under optical trapping condition (Osaka Univ.) YAMAUCHI, Hiroaki; ITO, Syoji; MIYASAKA, Hiroshi
- 1P009 Pulsed laser processing of nano-porous polymer films by superheating of Au nanoparticles based on resonant excitation of localized surface Plasmon (Hokkaido Univ., Kyoto Inst. of Tech., JST-PRESTO) MURAOKA, Keita; KITAMURA, Noboru; YAMADA, Kazushi; TSUBOI, Yasuyuki
- 1P010 Photochemical behavior of viologen derivatives on the inorganic layered material surface (Tokyo Metropolitan Univ., JST-PRESTO) FUJIMURA, Takuya; MISAKI, Yoshinari; MASUI, Dai; TACHIBANA, Hiroshi; INOUE, Haruo; SHIMADA, Tetsuya; TAKAGI, Shinsuke
- 1P011 Laser induced reshaping of surface plasmon band of single silver nanocubes (Ehime Univ., Nagoya Univ.) MIZUMOTO, Yosei; ASAH, Tsuyoshi; OKAZAKI, Ken-ichi; TORIMOTO, Tsukasa
- 1P012 Investigation of protein crystallization mechanism induced by photochemical reaction of quinines (Gunma Univ., JST-PRESTO) TAKASE, Yuta; TAGUCHI, Toru; HORIUCHI, Hiroaki; HIRATSUKA, Hiroshi; OKUTSU, Tetsuo
- 1P013 Polarized-light photon mapping of gap-mode plasmon enhanced Raman scattering and luminescence from gaps between a STM tip and gold nano-structures (Tohoku Univ.) FUJITA, Yasuhiko; KAJIMOTO, Shinji; HORIMOTO, Noriko; FUKUMURA, Hiroshi
- 1P014 Nanoparticle formation of pentacene by laser ablation and transient absorption measurement of its colloidal solution (Kyoto Inst. of Tech.) HOSUGI, Masaaki; MACHIDA, Shinjiro; IKEDA, Noriaki; ITAYA, Akira
- 1P015 Ultrafast initial photoisomerization dynamics of Photoactive Yellow Protein (PYP) using sub-10fs pump-probe measurement (Institute for Laser Technology, Univ. of Electro Communications, Kyoto Univ.) TANIGUCHI, Seiji; CHOSROWJAN, Haik; LIU, Jun; KOBAYASHI, Takayoshi; IMAMOTO, Yasushi
- 1P016 Application of thio-substituted nucleic-acid bases to PDT and effect of thiols on their excited state dynamics (Aoyama Gakuin Univ.) SUZUKI, Tadashi; MIYASHITA, Megumi; ISOZAKI, Tasuku
- 1P017 Photochemical processes of haloarobenzenes in solution studied by steady-state photolysis techniques (Gunma Univ., Univ. Politecn. Valencia) YAMAJI, Minoru; SHIMOKAWA, Rieko;

LHIAUBET-VALLET, Virginie; MIRANDA, Miguel Ángel

- 1P018 Study of photochromic reaction on diarylethene derivatives by the transient absorption (Saitama Univ.) MURATA, Ryutaro; YAGO, Tomoaki; WAKASA, Masanobu
- 1P019 Reorientation dynamics of nematic liquid crystal measured by transient grating method (Chou Univ.) CHIBA, Takaaki; INOUE, Hayato; KATAYAMA, Kenji
- 1P020 Light curing dynamics of a photopolymer measured by transient grating technique (Chuo Univ.) ARAI, Mika; INOUE, Hayato; KATAYAMA, Kenji
- 1P021 Observation of ultrafast charge separation and vibrational coherence in poly(3-hexylthiophene) - PCBM thin film (Osaka Univ.) KATAYAMA, Tetsuro; MIYASAKA, Hiroshi
- 1P022 Control of conduction band level and photo-electric conversion properties of dye-doped titania (Shinshu Univ.) RUDI AGUS, Setiawan; NISHIKIORI, Hiromasa; TANAKA, Nobuaki; FUJII, Tsuneo
- 1P023 Influence of photocarrier spin dynamics on the device parameters of bulk heterojunction solar cell with π -conjugated polymer/fullerene derivatives (Niigata Univ., Yamagata Univ., JST-CREST) KOBAYASHI, Ryosuke; AMBE, Christopher E; IKOMA, Tadaaki; NAKAYAMA, Ken-ichi
- 1P024 Electroabsorption measurements of benzimidazole-functionalized ruthenium complexes for dye-sensitized solar cells (Hokkaido Univ., National Chiao Tung Univ.) AWASTHI, Kamlesh; HSU, Hung-Yu; LUO, Liyang; DIAU, Eric; LEE, Yuan-Pern; OHTA, Nobuhiro
- 1P025 Orientation control of α -sexithiophene and the application to organic photovoltaic devices (AIST UBIQEN) MIZOKURO, Toshiko; HECK, Claire; TANIGAKI, Nobutaka
- 1P026 Selective photocatalytic oxidation and reduction processes in plalllelized microreaction devices (Egypt-Japan Univ. of Science and Technology, Tokyo Insti. of Tech.) MATSUSHITA, Yoshihisa; OOKAWARA, Shinichi; HAMZA ALI, Ahmed
- 1P027 Femtosecond laser-induced optical breakdown generates gold nanoparticles (National Chiao Tung Univ., NAIST) WANG, Shun-Fa (王順發); LIU, Tsung-Han (劉宗翰); UWADA, Takayuki (宇和田貴之); MASUHARA, Hiroshi (増原宏)
- 1P028 Two-dimensional assembly formation of various nanoparticles in the vicinity of a single gold nanoparticle by tightly focused laser irradiation (National Chiao Tung Univ., NAIST) HSU, Tzu-Wei (許孜瑋); UWADA, Takayuki (宇和田貴之); MASUHARA, Hiroshi (増原宏)
- 1P029 Plasmon induced electron injection into semiconductor nanoparticles investigated by femtosecond IR transient absorption (AIST, CAS Institute of Physics) DU, Luchao; FURUBE, Akihiro; HARA, Kohjiro; KATOH, Ryuzi; TACHIYA, Masanori; WENG, Yuxiang
- 1P030 Photoinduced charge separation of a multi-chromophoric system including triphenylamine, naphthaldiimide, platinum complex linked by 1,3,5-triethynylbenzene (Osaka City Univ., Univ. of Toyama) HORIKOSHI, Takafumi; SUZUKI, Shuichi; SUGIMURA, Ryoji; KOZAKI, Masatoshi; KIMOTO, Kenshi; NOZAKI, Koichi; OKADA, Keiji
- 1P031 Synthesis and optical properties of chlorophyll derivatives possessing metal complexes of β -diketonate ligand at the peripheral position (Ritsumeikan Univ.) KINOSHITA, Yusuke; YAMAMOTO, Youhei; TAMIYAKI, Hitoshi
- 1P032 Fabrication of photoelectric conversion thin films using electrolytic method (Kyushu Univ.) UMINO, Hidehisa; TAURA, Sakiko; TAKAHASHI, Yukina; YAMADA, Sunao
- 1P033 Crystal structure and fluorescent property of a organoboron complex containing [2.2]paracyclophane framework (Osaka Pref. Univ.) MURAOKA, Shunsuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 1P034 Fluorescence properties and intermolecular interactions in the crystalline state of Diaroylmethanoboron difluoride (Osaka Pref. Univ.) SAKAI, Atsushi; YOSHIMOTO, Yuichi; MIZUNO, Kazuhiko; IKEDA, Hiroshi

- 1P035 Supramolecular photochirogenesis with chiral hydrogen-bonding templates: enantiodifferentiating photocyclodimerization of 1- and 2-anthracenecarboxylic acids mediated by prolinol derivatives (Osaka Univ.) KATSUMATA, Shinya; KAWANAMI, Yuko; FUKUHARA, Gaku; NISHIJIMA, Masaki; YANG, Cheng; MORI, Tadashi; INOUE, Yoshihisa
- 1P036 Photochemical behavior and solvent effect of poly(benzyl ether) stilbene dendrimers with ester surface functional groups (Univ. of Tsukuba) TAKIZAWA, Tsutomu; MOMOTAKE, Atsuya; NISHIMURA, Yoshinobu; ARAI, Tatsuo
- 1P037 Intramolecular hydrogen atom transfer reaction and fluorescence properties of acetophenone derivatives having arylacetylene at different substitution position (Univ. of Tsukuba) TASAKI, Satomi; ARAI, Tatsuo
- 1P038 Diastereodifferentiating [2+2] photocycloaddition in supercritical carbon dioxide (NAIST) YANAGISAWA, Yuuki; NISHIYAMA, Yasuhiro; KAKIUCHI, Kiyomi
- 1P039 Effect of solvent and dendron environment on photoisomerization and fluorescence behavior of stilbene dendrimers (Univ. of Tsukuba) NAKAZATO, Satoshi; ARAI, Tatsuo
- 1P040 Diastereoselective photoreaction in flow reactor with on-line analysis (NAIST) TERAO, Kimitada; MATSUOKA, Hitoshi; NISHIYAMA, Yasuhiro; TOKUDA, Takashi; NODA, Toshihiko; SASAGAWA, Kiyotaka; OHTA, Jun; KAKIUCHI, Kiyomi
- 1P041 Bio-supramolecular complexation and photocyclodimerization of 2-anthracenecarboxylate with insulin amyloid fibrils (Osaka Univ., Warsaw Univ.) TANAKA, Hidekazu; NISHIJIMA, Masaki; MORI, Tadashi; YANG, Cheng; FUKUHARA, Gaku; DZWOLAK, Wojciech; INOUE, Yoshihisa
- 1P042 Metal-free oxygenation of cyclohexane with oxygen catalyzed by 9-mesityl-10-methylacridinium ion (Osaka Univ., JST-ALCA) FUJIMOTO, Atsushi; OHKUBO, Kei; FUKUZUMI, Shunichi
- 1P043 Synthesis and substituent effect of caged compounds using nitroaniline skeleton (Univ. of Tsukuba) HONDA, Takuya; MOMOTAKE, Atsuya; ARAI, Tatsuo
- 1P044 Enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylate mediated by dimeric β -cyclodextrins (Osaka Univ.) MATSUSHITA, Ryohei; YANG, Cheng; FUKUHARA, Gaku; MORI, Tadashi; INOUE, Yoshihisa
- 1P045 Dynamic structure change in the photo-induced charge separated state of anthraquinone - phenothiazine trimer dyad (Osaka City Univ., Toyama Univ., Kyoto Inst.of Tech.) KARIMATA, Ayumu; SUZUKI, Shuichi; KOZAKI, Masatoshi; KIMOTO, Kenshi; NOZAKI, Koichi; MATSUSHITA, Hironori; IKEDA, Noriaki; OKADA, Keiji
- 1P046 Photochemical decarboxylation of unprotected amino acids (Univ. of Fukui, Iwate Medical Univ., Ritsumeikan Univ.) YAMADA, Itsuhiko; YOSHIMI, Yasuharu; NISHIKAWA, Keisuke; HATANAKA, Minoru; ITOU, Tatsuya; OKADA, Yutaka
- 1P047 Radical addition between peptides via photochemical decarboxylation (Univ. of Fukui, Iwate Medical Univ., Ritsumeikan Univ.) SUGIE, Mai; YOSHIMI, Yasuharu; MAEDA, Kousuke; NISHIKAWA, Keisuke; HATANAKA, Minoru; ITOU, Tatsuya; OKADA, Yutaka
- 1P048 Photochemical oxygenation reaction of cyclohexene sensitized by metalloporphyrin on the clay surface (Tokyo Metropolitan Univ., JST-PRESTO) TSUKAMOTO, Takamasa; MASUI, Dai; SHIMADA, Tetsuya; INOUE, Haruo; TAKAGI, Shinsuke
- 1P049 Radical cations possessing one-electron σ -bond generated by photoinduced electron-transfer reaction (Osaka Pref. Univ., Tohoku Univ.) ASADA, Naoya; OSHIMA, Mitsuhiro; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 1P050 Exciplex formation of dyads consisted of arenes and 1,4-dicyanonaphthalene in solution and in the crystalline state (Seika Corp., Osaka Pref. Univ.) IMOTO, Mitsutaka; MATSUI, Yasunori; TAMAKI, Akihiro; TAKEDA, Motonori; MIZUNO, Kazuhiko; IKEDA, Hiroshi
- 1P051 Orbital interactions in silole-fused tetramethyleneethane generated by Photoinduced electron-transfer reaction (Osaka Pref. Univ.) KANO, Yusuke; MIZUNO, Kazuhiko; IKEDA, Hiroshi

- 1P052 Synthesis of medium-sized ketoester by photochemical decarboxylation (Univ. of Fukui, Ritsumeikan Univ.) ANDO, Tomoki; YOSHIMI, Yasuharu; NISHIKAWA, Keisuke; HATANAKA, Minoru; ITOU, Tatsuya; OKADA, Yutaka
- 1P053 Radical cyclization via photoinduced electron transfer with hydroxide ion (Univ. of Fukui, Iwate Medical Univ., Ritsumeikan Univ.) KANAI, Hirotomo; YOSHIMI, Yasuharu; NISHIKAWA, Keisuke; HATANAKA, Minoru; ITOU, Tatsuya; OKADA, Yutaka
- 1P054 One-pot metal-free syntheses of acetophenones from styrenes through aerobic photo-oxidation/deiodination (Gifu Pharmaceutical Univ.) NOBUTA, Tomoya; TADA, Norihiro; MIURA, Tsuyoshi; ITOH, Akichika
- 1P055 Isolation and examination of reaction behavior of tetraene intermediates derived from [3+2]-Photocycloaddition of methyl substituted 1,4-dicyanonaphthalenes with styrene (Shimane Univ.) NOGAMI, Yuki; SHIRATORI, Hideo; KUBO, Yasuo
- 1P056 Mechanism of [3+2]-photocycloadditions of aromatic esters and nitriles with styrene (Shimane Univ.) HAYASHI, Yuki; SHIRATORI, Hideo; KUBO, Yasuo
- 1P057 Synthesis and structural change of [3.3](1,3)pyrenophanes (Kanazawa Univ., Osaka Pref. Univ.) HIRONISHI, Masato; MAEDA, Hajime; SEGI, Masahito; ISHIBASHI, Rikiya; MIZUNO, Kazuhiko
- 1P058 Synthesis and photochemical reaction of diaza[3.3]paracyclophanes possessing methyl substituents on their benzene rings (Okayama Univ., Kyushu Univ.) OKAMOTO, Hideki; OKABAYASHI, Zenji; UEHARA, Hiroyuki; ITO, Satoshi; SHINMYOZU, Teruo; SATAKE, Kyosuke
- 1P059 Fluorescent photochromic diarylethenes II. Substituent effect (Rikkyo Univ.) UNO, Kakishi; NIIKURA, Hiroyuki; MORIMOTO, Masakazu; MIYASAKA, Hiroshi; IRIE, Masahiro
- 1P060 Photochromism and current-voltage characteristics of diarylethene derivatives directly linked with oxadiazole moiety (Osaka Kyoiku Univ.) TAKAYAMA, Yoshiyuki; HORI, Kazushige; KUBONO, Koji; TSUJIOKA, Tsuyoshi; TANI, Keita
- 1P061 Photochemistry of dinitrobenzyl pyridine derivatives (Kanazawa Univ.) FUKUYOSHI, Shuichi; TOKUMURA, Kunihiro; NAKAGAKI, Ryoichi
- 1P062 Photochromism of a water-soluble vesicular [2.2]paracyclophane-bridged imidazole dimer (Aoyama Gakuin Univ., JST-CREST) MUTOH, Katsuya; ABE, Jiro
- 1P063 Syntheses and photochromism of cyclic n-mers of thiophenophan-1-ene (Saga Univ.) KITAMURA, Takashi; TAKESHITA, Michinori
- 1P064 Development of triple hydrogen bonded supramolecular polymer having photoswitch (Saga Univ.) KAKIZOE, Hitoshi; KURANARI, Toshiyuki; TAKESHITA, Michinori
- 1P065 Syntheses and photochromic properties of diarylethenes having naphthalene ring (Saga Univ.) MATSUDA, Yuji; MURAKAMI, Kazuto; WADA, Yuta; TAKESHITA, Michinori
- 1P066 Development of a supramolecular elastomer film composed of a diarylethene having hydrogen bonding moieties (Saga Univ.) KINOSHITA, Takeharu; MIYAZAKI, Takashi; TAKESHITA, Michinori
- 1P067 The dynamics of DNA-porphyrin complex analyzed by high sensitive CD detection (Tohoku Univ.) MURAKAMI, Makoto; HAMADA, Yoshiki; ARAKI, Yasuyuki; SAKAMOTO, Seiji; WADA, Takehiko
- 1P068 Photoluminescent properties of donor-acceptor type ionic liquid crystals (The Univ. of Tokyo, Aoyama Gakuin Univ.) TANABE, Kana; SUZUI, Yuko; HASEGAWA, Miki; KATO, Takashi
- 1P069 Structures and emission properties of lanthanide coordination polymers with bidentate phosphine oxide ligands (Hokkaido Univ.) MIYATA, Kohei; OHBA, Tadashi; KOBAYASHI, Atsushi; KATO, Masako; FUSHIMI, Koji; HASEGAWA, Yasuchika
- 1P070 An observation of the energy transfer reaction in clay/porphyrin complex by time-resolved

- fluorescence spectroscopy (Tokyo Metropolitan Univ., JSPS-DC1, JST-PRESTO) ISHIDA, Yohei; SHIMADA, Tetsuya; MASUI, Dai; TACHIBANA, Hiroshi; INOUE, Haruo; TAKAGI, Shinsuke
- 1P071 Nanoscale characterization of organic light emitting diodes by fluorescence micro-spectroscopy and single molecule detection (Tokyo Tech) HATANO, Tatsuhiko; HABUCHI, Satoshi; VACHA, Martin
- 1P072 Dependence of alkyl chain length on the photoinduced isothermal phase transitions of a triphenylene mesogen with the peripheral azobenzene units (Ryukoku Univ.) TANAKA, Daisuke; ISHIGURO, Hisato; ONISHI, Kazuki; SHIMIZU, Yo; UCHIDA, Kingo
- 1P073 Photochromism of a 5,6-bis(thiazolyl)azulene derivative (Ryukoku Univ., RIKEN) UCHIDA, Kingo; KITAI, Jun-ichiro; KOBAYASHI, Takao; YOKOJIMA, Satoshi; NAKAMURA, Shinichiro
- 1P074 Multicolor fluorescence of a styryl quinoline dye tuned by metal cations (Osaka Univ.) SUMIYA, Shigehiro; SHIRAISHI, Yasuhiro; HIRAI, Takayuki
- 1P075 Reverse photochromism of a novel HABI derivative (Aoyama Gakuin Univ., JST-CREST, Mitsubishi Gas Chemical Co., Inc.) HATANO, Sayaka; HORINO, Takeru; TOKITA, Atsuhiko; OSHIMA, Toyoji; ABE, Jiro
- 1P076 A simple approach for the fabrication of a plasmon-enhanced organic solar cell (Kyushu Univ.) YOU, Jing; TAKAHASHI, Yukina; YAMADA, Sunao
- 1P077 Strong emission properties of ytterbium complexes with low-vibrational frequency structure (Hokkaido Univ., NAIST, Kyushu Univ.) KISHIMOTO, Shin-ichiro; NAKAGAWA, Tetsuya; KAWAI, Tsuyoshi; HASEGAWA, Yasuchika
- 1P078 Fabrication of photo-functional mesoporous silica hybrid spheres with plasmonic wave localized on the surface (Tokyo Metropolitan Univ., Toyota Cent. Lab) YAMAMOTO, Daisuke; NABETANI, Yu; SHIMADA, Tetsuya; YANO, Kazuhisa TACHIBANA, Hiroshi; INOUE, Haruo
- 1P079 Electrochemical properties and highly efficient electrochemical isomerization of terarylenes (NAIST) KAJIKI, Yoshiyuki; FUKUMOTO, Sayo; NAKASHIMA, Takuya; KAWAI, Tsuyoshi
- 1P080 Syntheses and properties of photochromic terarylene derivatives having azaindole unit (NAIST)FUKUMOTO, Sayo; NAKASHIMA, Takuya; KAWAI, Tsuyoshi
- 1P081 Photochemical surface modification of diamond and change in superconducting property (Keio Univ.) NATSUI, Keisuke; YAMAMOTO, Takashi; WATANABE, Takeshi; EINAGA, Yasuaki
- 1P082 Electronic structure simulation study on photochemical water splitting by graphitic carbon nitride (Kumamoto Univ.) FUJINAGA, Kentarou; SUGIMOTO, Manabu
- 1P083 Photoinduced electron transfer reactions in metal-organic frameworks (Osaka Univ.) TACHIKAWA, Takashi; CHOI, Jun Rye; FUJITSUKA, Mamoru; MAJIMA, Tetsuro
- 1P084 A mechanistic study on the formation of nanograting structures on the silica surface induced by femtosecond laser radiation (Hokkaido Univ., JST-PRESTO) ASAHI, Hidenori; SUN, Quan; UENO, Kosei; MISAWA, Hiroaki
- 1P085 Nanosutstructure and photochemical reaction of azobenzene/niobate nanocomposites (Tokyo Metro. Univ.) MATSUKURA, Shoichi; NABETANI, Yu; HAYASAKA, Yuika; TACHIBANA, Hiroshi; INOUE, Haruo
- 1P086 Femtosecond laser fabrication of nanopatterns on glass substrates induced by gold nanostructures (Univ. Tokushima, Fukushima Coll Technol., Hokkaido Univ.) HASHIMOTO, Shuichi; HORIUCHI, Kana; YANAGIYA, Shin-ichiro; HAGIRI, Masahide; TAKASE, Mai; MURAKOSHI, Kei
- 1P087 Influence of the excitation pulse at the repetitional PL up-conversion measurements on the subpicosecond time-resolved photoluminescence of CdS/Poly(methyl methacrylate) nanocomposite films (Univ. Ryukyu) UCHIHARA, Toshio; KOBARI, Yuki; SAWADA, Kengo
- 1P088 Physical properties of self-assembled layer consist of sexithiophene derivatives (Toho Univ.) KODAIRA, Akira; TAKASUNA, Tooru; HARADA, Takunori; PAC, Chyongjin; MORIYAMA,

Hiroshi

- 1P089 Template-directed preparation and photoelectric properties of hybrid organic/inorganic nanorods for photoconductive device (Kyoto Univ., JST-PRESTO, iCeMS) KITaura, Shinji; MATSUSIGE, Kazumi; UMEYAMA, Tomokazu; MATANO, Yoshihiro; IMAHORI, Hiroshi
- 1P090 Photocurrent properties of dye molecules immobilized on metal nano-shell arrays (Nihon Univ., Shiga Pref. Univ., Kyushu Univ.) SUGAWA, Kosuke; HIRONO, Shuichi; AKIYAMA, Tsuyoshi; YAMADA, Sunao
- 1P091 Tunable emission and coloration by using lanthanide(III) complex and electrochromic molecules toward novel display device (Chiba Univ.) NAKAMURA, Kazuki; KANAZAWA, Kenji; KOBAYASHI, Norihisa
- 1P092 Photoelectrochemistry and dye-sensitized solar cells of the fused ruthenium porphyrin dimer with multi-carboxyl groups (Univ. of Tokyo) TAMAKI, Koichi; DY, Joanne Ting; NAKAZAKI, Jotaro; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi
- 1P093 Electron delocalization in one-dimensional perylenediimide nanobelts via photoinduced electron transfer (Osaka Univ.) SUPUR, Mustafa; YAMADA, Yusuke(山田祐介); EL-KHOULY, Mohamed E.; HONDA, Tatsuhiko(本多立彦); FUKUZUMI, Shunichi(福住俊一)
- 1P094 High-pressure study of the effect of aggregation structures on the UV/visible absorption and fluorescence spectra of a semi-aromatic polyimide derived from a perfluorinated dianhydride (Tokyo Tech) TAKIZAWA, Kazhuro; WAKITA, Junji; ANDO, Shinji
- 1P095 Selective generation of hydrogen peroxide in the photocatalytic reduction of dioxygen by water as an electron donor under visible light irradiation (Osaka Univ.) KATO, Satoshi; SUENOBU, Tomoyoshi; FUKUZUMI, Shunichi
- 1P096 Mechanism of photochemical multielectron accumulation by a hybrid system of a ring-shaped tetranuclear rhenium (I) complex and $[\text{SiW}_{12}\text{O}_{40}]^{4-}$ (Tokyo Tech.) ASATANI, Tsuyoshi; YUI, Tatsuto; ISHITANI, Osamu
- 1P097 Opto-magnetic properties of EuS-Au nano-aggregates under enhanced electromagnetic field of surface plasmon resonance (Hokkaido Univ.) KAWASHIMA, Akira; MIYATA, Kohei; FUSHIMI, Koji; HASEGAWA, Yasuchika
- 1P098 Direct observation of CO_2 coordinated intermediates in the photochemical CO_2 reduction sensitized by rhenium bipyridine complexes (Tokyo Metropolitan Univ.) KOU, Youki; SHIMADA, Tetsuya; NABETANI, Yu; TACHIBANA, Hiroshi; TAKAGI, Shinsuke INOUE, Haruo
- 1P099 Synthesis of a Ru-Rh-Ru trinuclear complex aiming at a visible-light driven photocatalyst for H_2 evolution (Tokyo Tech, AIST) OHKUBO, Kei; TAMAKI, Yusuke; KOIKE, Kazuhide; MORIMOTO, Tatsuki; ISHITANI, Osamu
- 1P100 Directional control of interfacial photoelectron transfer between a metal complex and semiconductor for constructing a Z-scheme type photocatalytic system (Tokyo Tech., Univ. of Tokyo, JST-PRESTO, AIST) SEKIZAWA, Keita; MAEDA, Kazuhiko; KOIKE, Kazuhide; YUI, Tatsuto; DOMEN, Kazunari; ISHITANI, Osamu
- 1P101 Photocatalytic water oxidation catalyzed by mononuclear cobalt complexes (Osaka Univ., JST-ALCA) HONG, Dachao; PARK Jiyun; JUNG, Jieun; SUENOBU, Tomoyoshi; LEE, Yong-Min; CHO, Jaeheung; NAM, Wonwoo FUKUZUMI, Shunichi
- 1P102 Direction control of photochemical electron transfer in chemisorbed systems of Ru(II) complex on n- and p- type semiconductor thin films (Tokyo Tech., Toyota Central R&D Labs., Inc., Toyota Motor Co.) SAHARA, Go; MORIKAWA, Takeshi; SEKIZAWA, Keita; YUI, Tatsuto; SEKITO, Takeshi; KAJINO, Tsutomu; ISHITANI, Osamu
- 1P103 Photoinduced electron transfer in carbazole dendron-functionalized heteroleptic iridium dendrimers (Korea Univ.) HWANG, Ah-Reum; HAN, Won-Sik; KIM, Hyun Young; PAC, Chyongjin; KANG, Sang Ook
- 1P104 Intramolecular photo-induced charge transfer in a new type of amine donor-carborane acceptor

assemblies (Korea Univ.) WEE, Kyung-Ryang; CHO, Dae-Won; PAC, Chyongjin; KANG, Sang Ook

- 1P105 X-ray analysis and action spectra of P-doped TiO₂ with visible-light photocatalytic activity (Fukuoka Univ., Hokkaido Univ.) IWASE, Motoki; YAMADA, Keiji; KURISAKI, Tsutomu; WAKITA, Hisanobu; ORLANDO OMAR, Prieto-Mahaney; OHTANI, Bunsho
- 1P106 Analysis of photocatalytic reactions utilizing TiO₂ immobilized microreactor (Chuo Univ.) KUWABARA, Kenta; TSUCHIYA, Naomi; HIDAKA, Asuna; ODA, Kazuyo; KATAYAMA, Kenji
- 1P107 Light-driven hydrogen evolution by metal-loaded TiO₂ (Kyushu Univ.) KAWAHARA, Shinya; SHIMAKOSHI, Hisashi; ABE, Masaaki; HISAEDA, Yoshio
- 1P108 Surface morphology controlling of brookite TiO₂ by chemical etching and measurement of photocatalytic activity (Kyushu Inst. of Tech.) ZHANG, Linjie; MURAKAMI, Naoya; OHNO, Teruhisa
- 1P109 Development of anatase particles of titanium dioxide with exposed crystal faces (Kyushu Inst. of Tech.) JIN, Zhengyuan; MURAKAMI, Naoya; OHNO, Teruhisa
- 1P110 Photoinduced electron transfer using cationic iridium complexes in vesicles (Univ. of Tokyo) ABOSHI, Ryo; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 1P111 Photochemical reduction of CO₂ by zinc porphyrin-rhenium dyad (Tokyo Metropolitan Univ.) NAKATANI, Shogo; KOU, Youki; SUNAGAWA, Gen; NABETANI, Yu; SHIMADA, Tetsuya; TACHIBANA, Hiroshi; INOUE, Haruo
- 1P112 Development of a separate type photo-induced fuel cell operating under solar light irradiation and its electrochemical properties (Osaka Pref. Univ.) MORIYASU, Madoka; IYATANI, Kazushi; HORIUCHI, Yu; TAKEUCHI, Masato; MATSUOKA, Masaya; ANPO, Masakazu
- 1P113 Electrochemical synthesis of novel thin film containing europium with magneto-optical properties (Hokkaido Univ.) KUMAGAI, Mina; FUSHIMI, Koji; HASEGAWA, Yasuchika
- 1P114 Study on the synthesis of site-selective Pt-loaded mesoporous TiO₂ and its photocatalytic activity for hydrogen evolution (Univ. of Miyazaki) TSUTSUMI, Ken; ASAI, Shinya; ASOU, Naoki; TABATA, Kenji
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