

Friday, September 13

15:00-16:40

- 3P001 Time-Resolved Measurement of Change of Electrical Conductivity Induced by Photoirradiation in the Molecular Conductor λ -(BETS)₂FeCl₄ Showing Metal-Insulator Phase Transition
(Hokkaido Univ.) IIMORI, Toshifumi; OINUMA, Kaname; OHTA, Nobuhiro
- 3P002 Two-Photon Absorption Spectra and Two-Photon Absorption Cross-Sections of Chlorodiphenylacetylenes
(Aoyama Gakuin Univ.) ISOZAKI, Tasuku; KURIHARA, Tomoka; SUZUKI, Tadashi; TAKEUCHI, Ryo
- 3P003 Vibrational Dynamics of the CN Stretching in the Electronically Excited State by Visible-Pump and Infrared-Probe Spectroscopy
(Kobe Univ.) HIRAOKA, Sho; FUKUI, Yuki; OHTA, Kaoru; TOMINAGA, Keisuke
- 3P004 Influence of the Hydrogen Bond Formation on the Vibrational Dynamics of the Excited State 4-Aminophthalimide
(Kobe Univ.) KONDO, Minako; OHTA, Kaoru; TOMINAGA, Keisuke
- 3P005 Excited State Dynamics of Diarylethene Derivatives in Crystalline Phase
(Osaka Univ., JST-PRESTO, Osaka City Univ.) JINNO, Akira; KATAYAMA, Tetsuro; KOBATAKE, Seiya; MIYASAKA, Hiroshi
- 3P006 Ultrafast Intramolecular Charge Transfer Reaction of Bianthryl and Cyanobinanthryl in Ionic Liquid
(Osaka Univ., National Chiao Tung Univ., JST-PRESTO) TAKEUCHI, Eisuke; MURAMATSU, Masayasu; KATAYAMA, Tetsuro; NAGASAWA, Yutaka; MIYASAKA, Hiroshi
- 3P007 Coherent Nuclear Wavepacket Motion in Ultrafast Electron Transfer System Observed by Femtosecond Degenerate Four-Wave-Mixing Spectroscopy
(Osaka Univ) NAGASAWA, Yutaka; TAKEUCHI, Eisuke; MURAMATSU, Masayasu; NANBU, Shouhei; YONEDA, Yusuke; MIYASAKA, Hiroshi
- 3P008 Electron Spin Dynamics in Triplet-Triplet Annihilation of 9,10-Diphenylanthracene (Niigata Univ., Shinshu Univ., JST-CREST) YOKOYAMA, Kana; WAKIKAWA, Yusuke; MIURA, Tomoaki; FUJIMORI, Jun-ichi; ITO, Fuyuki; IKOMA, Tadaaki
- 3P009 Magnetic Field Effect on the Emission and the Emission Mechanism of Organic Light-Emitting Diodes based on Iridium Complex
(Saitama Univ., RIKEN) YOSHIOKA, Hayato; SAKAGUCHI, Yoshio; IKEDA, Shigeru; YAGO, Tomoaki; WAKASA, Masanobu
- 3P010 Development of Phosphorescent Oxygen Probes with High Sensitivity Using Iridium Complexes Bearing a Dipyrinato Ligand
(Gunma Univ.) ONODERA, Kenichi; TANAKA, Asami; YAGIHASHI, Miki; YOSHIHARA, Toshitada; TOBITA, Seiji
- 3P011 Aggregation and Excitation Energy Transfer of Fluorescein in PVA Film
(Kanagawa Univ.) HIRATA, Yoshinori
- 3P012 Photoinduced Electron-Transfer Reactions and Magnetic Field Effects on the Decay Rates of a Photogenerated Biradical from Phenothiazine-Viologen Linked Compounds in Ionic Liquids
(Kyushu Univ.) MORIFUJI, Toru; NAKASHIMA, Akio; YONEMURA, Hiroaki; YAMADA, Sunao

- 3P013 Excited State Dynamics of a Microcrystalline Charge-Transfer Complex Studied by Sub-Picosecond Transient Absorption Microspectroscopy
(Ehime Univ.) UDAKA, Osamu; ISHIBASHI, Yukihide; ASAHI, Tsuyoshi
- 3P014 Adsorption of Organic Dye Molecules in Periodic Mesoporous Organosilica
(Ehime Univ., Toyota Central R&D Labs., Inc) KONDO, Kenji; ISHIBASHI, Yukihide; YAMANAKA, Ken-ichi; GOTO, Yasutomo; INAGAKI, Shinji; ASAHI, Tsuyoshi
- 3P015 Nanoscale Evaluation of Phosphorescent Signals in Red Organic Light Emitting Diodes.
(Tokyo Tech) HOU, Shuofeng; HIRATA, Shuzo; VACHA, Martin
- 3P016 Anomalous Diffusion of Guest Molecules in the Vicinity of Interfaces of Polymer Solids as Revealed by Three-Dimensional Single-Molecule Tracking
(Osaka Univ., Toyama Pref. Univ., Osaka City Univ.) TAGA, Yuhei; ITO, Syoji; TAKEI, Satoshi; KITAGAWA, Daichi; KOBATAKE, Seiya; MIYASAKA, Hiroshi
- 3P017 Evaluation of Organic Electro-Optic Polymers Using Single-Molecule Spectroscopy
(NICT) KAJI, Takahiro; YAMADA, Toshiki; OTOMO, Akira
- 3P018 Coupling of a Single Quantum Dot with a Metal Nanowire by AFM Manipulation
(Kwansei Gakuin Univ.) YAMANAKA, Akihiro; MASUO, Sadahiro
- 3P019 Fluorescence Behavior of Charge-Transfer Complex Nanocrystal and Its Size Dependence
(Kyoto Inst. of Tech.) YABUUCHI, Kai; UCHIDA, Hiroyuki; MACHIDA, Shinjiro; IKEDA, Noriaki
- 3P020 Correlation between Excited-State Intramolecular Proton-Transfer and Singlet-Oxygen Quenching Activity in Intramolecularly Hydrogen-Bonded Anthraquinone Derivatives
(Ehime Univ.) NAGAOKA, Shin-ichi; ENDO, Hikaru; OHARA, Keishi
- 3P021 Fabrication of the Rod-Shaped Dye Sensitized Solar Cells Using Ti-Wire and Graphite-Rod Substrates
(Osaka Pref. Univ.) KOBA, Takuya; KAWAKAMI, Yuhi; HORIUCHI, Yu; MATSUOKA, Masaya; TAKEUCHI, Masato
- 3P022 Spin-Sorted Photoinduced Electron Transfer in a Pt-Porphyrin-Zn-Porphyrin-Dinitrobenzene Triad and Related Compounds
(Osaka City Univ., Tokyo Metropolitan Univ.) UETOMO, Atsuhiko; KOZAKI, Masatoshi; SUZUKI, Shuichi; NABETANI, Yu; YAMAMOTO, Daisuke; KUTTASSERY, Fazalurahman; RAMAKRISHNAN, Vivek; INOUE, Haruo; OKADA, Keiji
- 3P023 Mechanism of UV-Photocatalytic Reaction of Electrolyte Solution for Dye-Sensitized Solar Cells
(Nihon Univ.) NAKAJIMA, Shohei; KATOH, Ryuzi
- 3P024 Photoinduced Electron Transfer in a Supramolecule between Curved Corannulene and Lithium Ion-Encapsulated [60]Fullerene
(Osaka Univ., JST-ALCA, Univ. of Tokyo) YAMADA, Mihoko; OHKUBO, Kei; SHIONOYA, Mitsuhiko; FUKUZUMI, Shunichi
- 3P025 Electron-Transfer Processes of the Photoactive Host-Guest Complexes of Crown-Ether-Fused Tetrathiafulvalenes and Li⁺@C₆₀
(Osaka Univ., Univ. of Southern Denmark) SUPUR, Mustafa; KAWASHIMA, Yuki; LARSEN, Karina R.; JEPPESEN, Jan O.; FUKUZUMI, Shunichi
- 3P026 Investigations on the Mechanism for the Ozone and OH Radical Formation under the UV Irradiation to the Microbubbles.
(Hachinohe Natl. Col. of Tech., AIST) TAMURA, Kenichi; MURAKAMI, Yoshinori; HIRAKAWA, Tsutomu
- 3P027 Laser Trapping of Cytochrome *c* Monomers and Dimers by Radiation Pressure of a Focused Laser Beam
(National Chiao Tung Univ., NAIST, ITRC) YUYAMA, Ken-ichi; HIROTA, Shun; UEDA, Mariko; NAGAO, Satoshi; SUGIYAMA, Teruki; MASUHARA, Hiroshi

- 3P028 A Laser Trapping and Raman Spectroscopy Study on Photoinduced Water Droplets Formation in the Air
(Hiroshima Univ.) KATAYAMA, Keiichi; ISHIZAKA, Shoji; FUJIWARA, Terufumi
- 3P029 Extended Phase Separation of Thermo-Responsive Poly(N-Isopropylacryl amide) in Solution under Laser Trapping by Adding and Exciting Dye Molecules.
(National Chiao Tung Univ., Nara Women's Univ.) LIN, Po-Yu; TSENG, Chin-Hsu; MIURA, Atsushi; IWAI, Kaoru; MASUHARA, Hiroshi
- 3P030 Ice Induction by Femtosecond Laser Induce Shockwave and its Observation by High Speed Camera
(NAIST) SAWADA, Kosuke; IINO, Takanori; HOSOKAWA, Yoichiroh
- 3P031 Observation of the Chemiluminescence of Luminol Induced by the Laser-Irradiation
(Hachinohe Natl. Col. of Tech.) MURAKAMI, Yoshinori
- 3P032 Time-Resolved Fluorescence Spectroscopy of Perylene Microcrystals during their Laser Ablation
(Ehime Univ.) ISHIKAWA, Takayuki; ISHIBASHI, Yukihide; ASAH, Tsuyoshi
- 3P033 Fluorescence Property of Fullerene C60 Nanoparticle Colloids: Solvent Effects
(Ehime Univ.) ARINISHI, Miya; ASAH, Tsuyoshi
- 3P034 Laser Ablation of Microcrystalline Powder of Flavones in Water
(Ehime Univ.) KAMASOKU, Shogo; NGUYENTHIYEN, Minh; ASAH, Tsuyoshi
- 3P035 Axial Ligand Adsorption of Metallo-Porphyrins on Semiconductor
(Tokyo Metropolitan Univ.) ONUKE, Satomi; SAGAWA, Shogo; KUTTASSERY, Fazalurahman; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 3P036 Visible Light Driven Water Oxidation Reaction Sensitized by Aluminium Porphyrins
(Tokyo Metropolitan Univ.) SAGAWA, Shogo; KUTTASSERY, Fazalurahman; ONUKE, Satomi; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 3P037 Synthesis and Photophysical Studies of Earth Abundant Metalloporphyrins for Photooxygenation
(Tokyo Metropolitan Univ.) MATHEW, Siby; KUTTASSERY, Fazalurahman; ONUKE, Satomi; YAMAMOTO, Daisuke; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 3P038 Activation of Water on Aluminum Porphyrins Based on Catalytic Oxidation Methodology
(Tokyo Metropolitan Univ.) KUTTASSERY, Fazalurahman; SAGAWA, Shogo; GOMI, Yuki; MATHEW, Siby; YAMAMOTO, Daisuke; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 3P039 Synthesis of Highly Efficient Photosensitizer for Photodynamic Therapy
(Shibaura Inst. Tech., Shizuoka Univ.) IMAL, Kohei; ABE, Emiri; SHINBO, Mio; YAGUCHI, Ryosuke; FUKUHARA, Kiyoshi; NAKAMURA, Asao
- 3P040 Synthesis and Photophysical Properties of Fluorescent DNA Probes Containing 7-Arylethynylated 8-Aza-7-Deaza-2'-Deoxyguanosines
(Nihon Univ.) YAMASAKA, Yuki; SUZUKI, Azusa; OKADA, Yuji; SAITO, Isao; SAITO, Yoshio
- 3P041 Development of Environmentally Sensitive Fluorescent 8-Aza-7-Deaza-2'-Deoxyadenosines and their Applications to DNA Probes
(Nihon Univ.) SUZUKI, Azusa; SAITO, Isao; NEMOTO, Nobukatsu; SAITO, Yoshio
- 3P042 Photoinduced Electron Transfer Reactions of Cyclic Nitrones: Generation of Active Oxygen Species and the Ensuing DNA Cleavage
(Univ. of Tokushima) NISHINO, Satoshi; UETA, Shoko; NISHIUCHI, Masaki; KAWAMURA, Yasuhiko
- 3P043 Reaction of 4-(1-Pyrrolidiny)Phenyl Carbene with Carbonyl Sulfide in Low-Temperature Matrices
(Kitasato Univ.) FUJITA, Hideomi; INUI, Hiroshi; USHIDA, Kiminori

- 3P044 Generation and Characterization of Triplet Diphenylcarbene Protected by Iodine and Trifluoromethyl Groups
(Mie Univ) TAMURA, Mari; HIRAI, Katsuyuki; KITAGAWA, Toshikazu
- 3P045 Generation and Characterization of Triplet (9-Anthryl)(Phenyl)Carbene Protected by Bulky Substituents
(Mie Univ.) HASHIMOTO, Yuichi; TACHI, Minori; HIRAI, Katsuyuki; KITAGAWA, Toshikazu
- 3P046 Analysis of the Hydrogen-Abstraction by Hydroxyl Radical Generated with TiO₂. Photocatalyst
(Univ. of Miyazaki) HIRATA, Shoichi; TOMO, Takayuki; MATSUMOTO, Tomoko; SHIRAGAMI, Tsutomu; YASUDA, Masahide
- 3P047 Photochemistry of Germoxane Aiming at Generation of Germanone
(Saitama Univ., Gakushuin Univ.) KAISE, Mana; YAGO, Tomoaki; WAKASA, Masanobu; MOCHIDA, Kunio
- 3P048 Decarboxylation Reactions Using a Photocatalytic Microreactor
(Chuo Univ.) SHIMAOKA, Kento; TAKEDA, Yuki; KUWAHARA, Shota; KATAYAMA, Kenji
- 3P049 Influence of Oxygen on the [3+2]-Photocycloadditions of 2,3-Dialkyl-1,4-Dicyanonaphthalenes with Phenylacetylene
(Shimane Univ.) YOKOYAMA, Kazutaka; SHIRATORI, Hideo; KUBO, Yasuo
- 3P050 Photoreaction of 2-Naphthaleneboronic Acid and its Derivatives in the Presence of Aliphatic Amines
(Shimane Univ.) FUJIWARA, Ryoji; SHIRATORI, Hideo; KUBO, Yasuo
- 3P051 Stereoselective β -Lactam Synthesis from Pyridyl α -Ketoamides by Norrish Type II Reaction
(Ochanomizu Univ.) FUJITA, Yuka; YAMADA, Shinji
- 3P052 Debenzylation of Dipeptide via Photoinduced Electron Transfer
(Univ. of Fukui) OKITA, Yoshiki; YOSHIMI, Yasuharu
- 3P053 Photoreactivity of 1-(2-Methoxynaphthalen-1-Ylmethoxy)Pyrene and Related Derivatives and their Ability to Initiate Photopolymerization (2)
(Kanagawa Univ.) UCHIDA, Naoki; IGARASHI, Tetsutaro; SAKURAI, Tadamitsu
- 3P054 Optical Properties of Benzene-Bridged bisBODIPYs as Near-Infrared Dyes
(Ehime Univ.) KITATSUKA, Manami; NAKAE, Takahiro; MORI, Shigeki; OKUJIMA, Tetsuo; UNO, Hidemitsu
- 3P055 Photophysical properties of *O*-chelated BODIPYs as near-infrared dyes
(Ehime Univ.) SHIDA, Youichi; TOMIMORI, Yuya; MORI, Shigeki; NAKAE, Takahiro; UNO, Hidemitsu; OKUJIMA, Tetsuo
- 3P056 Highly Emissive Aminobenzopyrano-Xanthene Dyes: Design, Syntheses and its Application for Staining Live Cell
(RIKEN, Hiroshima Univ., Hitachi-Hitech, Okayama Univ.) KAMINO, Shinichiro; OYAMA, Yousuke; HORIGOME, Jun; ENOMOTO, Shuichi
- 3P057 Synthesis of Aminobenzopyranoxanthene (ABPX) Dye Analogue Selectively Forms Complex with Cu(II) as a Novel Colorimetric Sensor
(Okayama Univ., RIKEN, Suzuka Univ. Med.Sci.) SHIRASAKI, Yoshinao; KAMINO, Shinichiro; TAKEUCHI, Yasuo; KOMEDA, Seiji; ENOMOTO, Shuichi
- 3P058 Synthesis of 1,8-Bis(Pyren-1-Ylethynyl) Naphthalenes and Their Intramolecular Excimer Emissions
(Kanazawa Univ.) HAMAZUKA, Akinobu; MATSUNO, Yu; MAEDA, Hajime; SEGI, Masahito
- 3P059 Development of Fluorescent Sensors for Metal Ions Based on Benzocrown Ether-Tetraethynylpyrene Linked Molecules

- (Kanazawa Univ.) TANAKA, Kazuhiro; ARATANI, Mona; MAEDA, Hajime; SEGI, Masahito
- 3P060 Aggregation of Fluorescent Diketopyrrolopyrrole Using DNA
(Univ. of Hyogo) TSUTO, Koji; NAKAMURA, Mitsunobu; TAKADA, Tadao; YAMANA, Kazushige
- 3P061 Synthesis, Absorption and Fluorescence Properties of Pyrimidine Boron Complexes
(Gifu Univ.) KUBOTA, Yasuhiro; OZAKI, Yousuke; FUNABIKI, Kazumasa; MATSUI, Masaki
- 3P062 Digital Fluorescent pH Sensors
(Univ. of Tokyo) UCHIYAMA, Seiichi; KATAGIRI, Yoshimi
- 3P063 Dioxetane-Based Chemiluminescent Compounds Bearing an ω -Functionalized Linker
(Kanagawa Univ.) IRIE, Urara; WATANABE, Nobuko; IJUIN, Hisako; YAMAGUCHI, Kazuo; MATSUMOTO, Masakatsu
- 3P064 Fluorescence Property of Aromatic Olefin and Spin Multiplicity Dependence of Photoisomerization
(Univ. of Tsukuba) KASHIMURA, Mutsuki; ARAI, Tatsuo
- 3P065 Photoisomerization of Bis(Styryl)Biphenyls and Substituent Effect
(Univ. of Tsukuba) SAKURAI, Hiroya; ARAI, Tatsuo
- 3P066 Synthesis and Photochemical Properties of Novel Ionic Liquid Having Photoresponsive Anion
(Univ. of Tsukuba) ISHIZAKI, Maai; ARAI, Tatsuo
- 3P067 Synthesis and Photoreaction of Functionalized Caged Compounds which are Designed to Release Bioactive Molecules by Photoirradiation
(Univ. of Tsukuba) HONDA, Takuya; MOMOTAKE, Atsuya; ARAI, Tatsuo
- 3P068 Synthesis and Photoreaction of Light-Triggered Antitumor Prodrug Releasing Doxifluridine
(Kitasato Univ.) TOHMINE, Mikika; INUI, Hiroshi; USHIDA, Kiminori
- 3P069 Photocatalytic Oxidation of Toluene Derivatives with Manganese(III) Corrolazine in the Presence of an Acid
(Osaka Univ., Johns Hopkins Univ., JST-ALCA) JUNG, Jieun; OHKUBO, Kei; NEU, Heather M.; GOLDBERG, David P.; FUKUZUMI, Shunichi
- 3P070 Substituent Effect on Photochemical Water Oxidation Catalyzed by Ruthenium Complexes
(Univ. of Tokyo) SATO, Youichi; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 3P071 Fabrication of TiO₂ Modified Monodispersed Mesoporous Silica Spheres for Novel Photo-Electrode Material
(Tokyo Metropolitan Univ., Toyota Central Lab.) YAMAMOTO, Daisuke; TAKEDA, Yuichiro; NABETANI, Yu; YANO, Kazuhisa; TACHIBANA, Hiroshi; INOUE, Haruo
- 3P072 Development of the Noble Metal Recovery and Reuse Method with Photo Catalysts.
(Toshiba Corp.) OKAMURA, Masato; NEGISHI, Koji
- 3P073 Preparation and Reactivity of Visible-Light Responsive Vitamin B₁₂-TiO₂ Hybrid Catalyst Composed of Interfacial Complexation
(Kyushu Univ.) YONEMURA, Shunsuke; SHIMAKOSHI, Hisashi; ABE, Masaaki; HISAEDA, Yoshio
- 3P074 Fabrication of Cu₂ZnSnS₄ Photoelectrode Using Colloidal Nanoparticles as a Precursor
(Nagoya Univ., Osaka Univ.) KOBAYASHI, Hisato; NISHI, Hiroyasu; KUWABATA, Susumu; TORIMOTO, Tsukasa
- 3P075 Plasmonic Enhancement of a Photocycloreversion Reaction of Diarylethene Polymers Bridged Gold-Nanoparticles
(Osaka City Univ.) KOBATAKE, Seiya; HIRAMATSU, Kuniaki; HAMADA, Hiroyuki

- 3P076 Photochromic Performance of 1-Thiazolyl-2-Vinylcyclopentene Derivatives Having a Phenyl or 4-Methoxyphenyl-Substituted Olefin
(Niihama National College of Technology, Hyogo Univ. of Teacher Education, Rikkyo Univ.) TAKAMI, Shizuka; YAMAGUCHI, Tadatsugu; IRIE, Masahiro
- 3P077 Aggregation Induced Emission of 4-(Diarylamino)Benzaldehyde
(Muroran Inst. Tech.) KURITA, Motoki; MOMMA, Mika; MIZUGUCHI, Kei; NAKANO, Hideyuki
- 3P078 Thermodynamic Crystal Phase Transition of a Diarylethene Having Hexyl Groups
(Osaka City Univ.) IWAIHARA, Chika; KITAGAWA, Daichi; KOBATAKE, Seiya
- 3P079 The Mechanism of Photoinduced Swing of Thin Platelet Diarylethene Crystals
(Ryukoku Univ., Tokyo Tech, JASRI, Mitsubishi Chemical Group, Tokyo Univ. of Pharmacy and Life Sciences, Univ. of Groningen, Univ. of Twente) UCHIDA, Kingo; FUJINAGA, Noriko; UYAMA, Ayaka; SEKINE, Akiko; YASUDA, Nobuhiro; KOJIMA, Yuko; YOKOJIMA, Satoshi; WALKO, Martin; KATSONIS, Nathalie; FERINGA, Ben
- 3P080 Relationship between Solid-State Luminescence and Crystal Structure of 3-Hydroxy-Methoxyflavone Derivatives
(Hiroshima Univ.) AMIMOTO, Kiichi; NAKASHIMA, Junpei
- 3P081 Photo Induced Morphology Control of Azobenzene/Niobate Hybrid Nanosheet
(Tokyo Metropolitan Univ.) HORIGUCHI, Haruo; MATSUKURA, Shoichi; RAMAKRISHNAN, Vivek; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 3P082 Synthesis and Magnetic Alignment of Photo-Functional Niobate Nanoscrolls
(Tokyo Metropolitan Univ.) UCHIKOSHI, Akino; MIYAJIMA, Soki; YAMATO, Masafumi; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 3P083 Photoelectrochemical Synthesis of Ammonia by Au-Nanostructure/Strontium titanate/Ruthenium Catalyst
(Hokkaido Univ., JST-PRESTO) OSHIKIRI, Tomoya; UENO, Kosei; MISAWA, Hiroaki
- 3P084 Overall Water Splitting over Rutile Titania Powder as a Photocatalyst
(Tokyo Tech) MAEDA, Kazuhiko
- 3P085 Rubbing Alignment of Photomechanical Crystals in Polymer Films
(Ehime Univ.) KOSHIMA, Hideko; MATSUURA, Daisuke; MIZUKAWA, Takaaki; MATSUDOMI, Masafumi
- 3P086 Photochromism and Photomechanical Bending of Polymorphic Crystals of Salicylideneanilines
(Ehime Univ.) KOSHIMA, Hideko; YAMAOKA, Yohei; MATSUDOMI, Masafumi
- 3P087 Structural Effect of the ether Linkage on the Thermal and Photoinduced Phase Transitions of Azobenzene-Tripheylene Liquid Crystals
(Ryukoku Univ., AIST) MINOBE, Ryota; ISHIGURO, Hisato; TANAKA, Daisuke; SHIMIZU, Yo; UCHIDA, Kingo
- 3P088 Photochromic Reaction of Diarylethene Nanoparticle Colloids Prepared by Reprecipitation Method
(Ehime Univ.) OGURA, Yumi; ISHIBASHI, Yukihide; ASAHI, Tsuyoshi
- 3P089 Crystal Thickness Dependence of Photoinduced Bending of a Diarylethene Crystal
(Osaka City Univ.) KITAGAWA, Daichi; KOBATAKE, Seiya
- 3P090 Photoluminescent Properties of Dipyrrolo[3,2-a:2',3'-c]Phenazine-Based D-A-D π -Conjugated Compounds
(Osaka Pref. Univ.) YAGI, Shigeyuki; SHIGEHIRO, Tatsuya; MAEDA, Takeshi; NAKAZUMI, Hiroyuki; SAKURAI, Yoshiaki
- 3P091 Development of near Infrared Emissive Iridium Complexes with High Cellular Uptake Efficiency
(Gunma Univ., Akita Prefe. Univ.) YOSHIHARA, Toshitada; YAGIHASHI, Miki; TANAKA, Asami; HOSAKA, Masahiro; TAKEUCHI, Toshiyuki; TOBITA, Seiji

- 3P092 Long-Term Live Imaging of Mitochondria by Using Stilbene Derivatives Exhibiting Efficient Two-Photon Excitation Fluorescence
(Yamaguchi Univ.) MORITOMO, Hiroki; SUZUKI, Yasutaka; TANI, Seiji; KAWAMATA, Jun
- 3P093 Spectral Properties of Scrambled Self-Aggregates of Bacteriochlorophylls *c* and *e*
(Kinki Univ., Tohoku Univ., Rikkyo Univ.) SAGA, Yoshitaka; SAIKI, Tatsuya; TAKAHASHI, Naoya; SHIBATA, Yutaka; TAMIYAKI, Hitoshi
- 3P094 OLED Device Fabrication Using Supramolecular Iridium Complex (III) and Host Material
(Chiba Univ.) YANAGIBORI, Yukino; YAGAI, Shiki; KITAMURA, Akihide; KARATSU, Takashi
- 3P095 Photostability Improvement of Hydrophobic Natural Dye by Complexation with Organo-Modified Clay
(Shizuoka Univ., Tokyo Univ. Technol.) KOHNO, Yoshiumi; OOKA, Nana; SHIBATA, Masashi; MAEDA, Yasuhisa
- 3P096 Elucidation of Carrier Dynamics in Organic Dye Sensitized Solar Cell Using the Heterodyne Transient Grating
(Chuo Univ., Univ. of Electro-Communications) OMATA, Keita; TAYA, Soichiro; SHEN, Qing; TOYODA, Taro; KUWAHARA, Shota; KATAYAMA, Kenji
- 3P097 Fabrication and Characterization of Porphyrin Thin Films with Phosphonate Moiety
(Toho Univ.) SAWANO, Ayaka; UEMURA, Shuhei; PAC, Chyongjin; MORIYAMA, Hiroshi
- 3P098 Development of Visible-Light Driven Fuel Cell by Using Germanium Porphyrin / TiO₂ Electrode with Alcohols as an Electron Donor
(Univ. of Miyazaki) OZAWA, Hiroki; SHIRAGAMI, Tsutomu; MATSUMOTO, Jin; YASUDA, Masahide