

Oral Session

Friday, September 14

[Room A] 9:00-12:00

- 3A01 Construction of long-lived singlet charge separation system utilizing a nonionic micelle and radical pair dynamics probed by magnetic field effect
(Keio Univ.) MIURA, Tomoaki
- 3A02 Photoinduced Charge Separation and Charge Recombination in Bis(2-pyridylimino)isoindoline-Pt-acetylides Linked with Dianisylphenylamine and Naphthalene Diimide
(Osaka City Univ., Univ. of Toyama, Kyoto Inst. of Tech., Tohoku Univ.) HORIKOSHI, Takafumi; SUZUKI, Shuichi; KOZAKI, Masatoshi; KIMOTO, Kenshi; NOZAKI, Koichi; MATSUSHITA, Hironori; IKEDA, Noriaki; AKIYAMA, Kimio; OKADA, Keiji
- 3A03 Multifrequency ESR studies of oxygen-evolving center in photosystem II
(Tohoku Univ., Okayama Univ.) MATSUOKA, Hideto; SHEN, Jian-Ren; ITO, Shinya; OHBA, Yasunori; YAMAUCHI, Seigo
- 3A04 Phase separation dynamics of aqueous thermo-responsive polymer solution: A single molecule fluorescence study
(Hokkaido Univ., KU Leuven, Hiroshima Univ.) TSUBOI, Yasuyuki; TADA, Takanori; SHOJI, Tatsuya; KITAMURA, Noboru; GOOSSENS, Karel; UJI-I, Hiroshi; HOFKENS, Johan; KATSUMOTO, Yukiteru
- 3A05 Study on fluorescence spectral change due to the molecular assemblies of perylene derivatives by the polymer matrix isolation method
(Shinshu Univ.) ITO, Fuyuki; SATO, Hirofumi; UGACHI, Yuri; SASAKI, Tomoko
- 3A06 Photochemically-induced Crystal Growth
(Gunma Univ., PRESTO) OKUTSU, Tetsuo; TAKASE, Yuta; KUROIWA, Takashi; HORIUCHI, Hiroaki
- 3A07 Temporally controlled laser trapping crystallization of glycine by a combination of continuous wave and femtosecond pulse lasers
(National Chiao Tung Univ., Josai Univ.) MIURA, Atsushi; HUANG, Yan Hua; USMAN, Anwar; YUYAMA, Ken-Ichi; UWADA, Takayuki; SUGIYAMA, Teruki; MASUHARA, Hiroshi
- 3A08 Femtosecond Laser Pulses-Enhanced Optical Trapping of Silica Nanospheres
(National Chiao Tung Univ.) USMAN, Anwar; CHIANG, Wei-Yi; MASUHARA, Hiroshi
- 3A09 Deposition of poly(phenylenediamine) nanostructures and detection of enzyme reactions by using a visible focused laser beam
(Osaka Univ.) YOSHIKAWA, Hiroyuki; IMURA, Shuhei; TAMIYA, Eiichi

13:40-16:40

- 3A10 Kinetic analysis of mass transfer processes across a single-microdroplet/air interface (Hiroshima Univ. , PREST-JST) ISHIZAKA, Shoji ; MA, Jiang ; FUJIWARA, Terufumi
- 3A11 Understanding of the ultrafast reaction dynamics of a Stilbene-Like Fluorescence Probe (Kobe Univ., Penn State Univ.) KONDO, Minako ; LI, Xiang ; MARONCELLI, Mark
- 3A12 Nonresonant two-photon absorption spectra and two-photon allowed electronic states of diphenylpolyynes (Aoyama Gakuin Univ.) ISOZAKI, Tasuku ; OBA, Hikari ; SUZUKI, Tadashi
- 3A13 Ultrafast spectroscopy of octopus rhodopsin (NCTU, JST-CREST, UEC, Osaka Univ., Tokushima-Bunri Univ.) YABUSHITA, Atsushi ; KOBAYASHI, Takayoshi ; TSUDA, Motoyuki
- 3A14 Relaxation processes from highly excited states of cyclic and linear zinc(II) porphyrin oligomers (Tokyo Metropolitan Univeristy, RIKEN) ASANO, Motoko, S. ; KITABAYASHI, Masato ; AKITA, Yasuhiro ; YAMASHITA, Ken-ichi ; SUGIURA, Ken-ichi ; TAKEUCHI, Satoshi ; TAHARA, Tahei
- 3A15 Control of singlet oxygen generating ability of electron donor connecting porphyrin by DNA (Shizuoka Univ., Hamamatsu Univ. School of Medicine, Nagaoka Univ. of Tech.) HIRAKAWA, Kazutaka ; HARADA, Mari ; OKAZAKI, Shigetoshi ; NOSAKA, Yoshio
- 3A16 Photoinduced Electron Transfer of Lithium Ion Encapsulated Fullerene (Osaka Univ. , ALCA, JST) OHKUBO, Kei ; KAWASHIMA, Yuki ; FUKUZUMI, Shunichi
- 3A17 Exciton Dissociation and Electronic Coupling in pBTTT/PCBM Blends via Two-Dimensional Electronic Spectroscopy (Univ. of Toronto , Imperial College London) KOBAYASHI , Yoichi ; BUCHACA-DOMINGO, Ester ; STINGELIN, Natalie ; SCHOLES, Gregory
- 3A18 Orientation of Polymer Chain Studied by Super-resolution Optical Microscopy (Kyoto Univ.) AOKI, Hiroyuki ; SHIN, Akihiko ; KURODA, Taiki

[Room B] 9:20-12:00

- 3B02 Design of thermosensors using thermal side reactions of photochromic diarylethenes(Osaka City University) KOBATAKE, Seiya ; SHOJI, Hiroaki ; KITAGAWA, Daichi

- 3B03 Photo-induced Swing of Diarylethene Crystals
(Ryukoku Univ., Riken, Tokyo Tech., Tokyo Univ. of Pharmacy and Life Sciences, Twente Univ., Univ. of Groningen, Mitsubishi Chemical) UCHIDA, Kingo; UYAMA, Ayaka; OGATA, Koji; HATAKEYAMA, Makoto; YOKOJIMA, Satoshi; KATSONIS, Nathalie; WALKO, Martin; SHIRO, Motoo; KOJIMA, Yuko; NAKAMURA, Shinichiro; FERINGA, Ben L.
- 3B04 Photomechanical Bending of Magnetically Oriented Crystal Films of Salicylideneanilines
(Ehime Univ., Kyoto Univ.) KOSHIMA, Hideko; UEMURA, Yutaro; MATSUDOMI, Masafumi; NAKAMURA, Jun; KIMURA, Fumiko; KIMURA, Tsunehisa
- 3B05 Photoinduced mass flow at surface level of photochromic molecular glasses
(Muroran Inst. Tech.) SUZUKI, Motoko; NAKANO, Hideyuki
- 3B06 Photocontrol of the polymerization-depolymerization dynamics of microtubules by the azobenzene photoisomerization
(Hokkaido Univ., Osaka Univ.) FUKAMINATO, Tuyoshi; KAMEI, Takashi; SAITO, Kenta; NAGAI, Takeharu; TAMAOKI, Nobuyuki
- 3B07 Photo-manipulation by using thin films of nematic liquid crystals with azobenzene molecules
(Kumamoto Univ., JST-CREST) KUWAHARA, Yutaka; ODA, Takahiro; OHTA, Kazuhiro; OGATA, Tomonari; KIM, Sunnam; KURIHARA, Seiji
- 3B08 Photochromic properties of polyether bridged large thiophenophan-1-enes
(Saga Univ.) TAKESHITA, Michinori; WADA, Yuta
- 3B09 Oxidation-induced cycloreversion of photochromic terarylenes
(Nara Institut. Sci. Technol.) KAWAI, Tsuyoshi; KAJIKI, Yoshiyuki; FUKUMOTO, Sayo; TAGUCHI, Maki; NAGAO, Satoshi; HIROTA, Shun; NAKASHIMA, Takuya

13:40-16:40

- 3B10 Development of Mechanochromic Luminescent Materials Responding to Humidity
(The Univ. of Tokyo) SAGARA, Yoshimitsu; NAGANO, Tetsuo
- 3B11 Synthesis of photoswitchable fluorescent diarylethene derivatives - substituent effect and solvent dependence
(Rikkyo Univ., Osaka Univ., Ehime Univ.) TAKAGI, Yuta; KUNISHI, Tomohiro; KATAYAMA, Tetsuro; ISHIBASHI, Yukihide; MIYASAKA, Hiroshi; MORIMOTO, Masakazu; IRIE, Masahiro
- 3B12 Fluorescence Properties of TTF-Substituted Hexatriene
(AIST) SONODA, Yoriko; SHIMOI, Yukihiro; KANESATO, Masatoshi
- 3B13 Synthesis and Optoelectronic Properties of Ladder-Type Imidazolium Cations
(Nagoya Institute of Technology) TAKAGI, Koji; ITO, Yohei
- 3B14 Room-Temperature Phosphorescence from the Crystals of

9-Phenyl-9,10-disilatriptycene

(Gunma Univ., Tohoku Univ.) KURIBARA, Takayoshi ; ISHIDA, Shintaro ; KYUSHIN, Soichiro ; HUANG, Haixiang ; HORIUCHI, Hiroaki ; HIRATSUKA, Hiroshi ; KUDO, Takako

- 3B15 Exciplex Emission of Arene—1,4-Dicyanonaphthalene Dyads in Solution and the Crystalline State
(Osaka Pref. Univ., Seika Corp., Wakayama Seika Kogyo Co., Ltd.) OHTA, Eisuke ; IMOTO, Mitsutaka ; KOBAYASHI, Hitoshi ; MATSUI, Yasunori ; TAMAKI, Akihiro ; TAKEDA, Motonori ; MIZUNO, Kazuhiko ; IKEDA, Hiroshi
- 3B16 Aggregation-induced Emission in Donor-acceptor Type Benzothiadiazole and Naphthobisthiadiazolo Dyes
(Kurume National College of Tech.) ISHI-I, Tsutomu ; OGAWA , Michiaki ; IKEDA, Kei
- 3B17 Peroxyoxalate Chemiluminescence Enhanced by Distyrylbenzene Fluorophores: Examination of the High-Energy Intermediates by the Hammett Correlation
(Shinshu Univ.) MARUYAMA, Takayuki ; NARITA, Susumu ; MOTOYOSHIYA, Jiro
- 3B18 Design and synthesis of optically active dioxetanes bearing an oxyaryl group with high helicity and their circular polarized chemiluminescence
(Kanagawa Univ., NAIST) MATSUMOTO, Masakatsu ; KAWASHIMA, Hidehisa ; TAKATSUKA, Hikaru ; WATANABE, Nobuko ; IJUIN, Hisako ; FUJIKI, Michiya

[Room C] 9:00-12:00

- 3C01 Photophysical and photochemical properties of chiral perylene diimide dimer
(IMRAM, Tohoku Univ.) ARAKI, Yasuyuki ; MURAKAMI, Makoto ; HAMADA, Yoshiki ; UEMATSU, Ryohei ; SAKAMOTO, Seiji ; WADA, Takehiko
- 3C02 Structural Effects of Ionic Liquid on Thermally Induced Emission Enhancement in the Polymer Composites with Emissive Ionic Liquid
(Univ. of Miyazaki, Bridgestone Co. Ltd.) SHIRAGAMI, Tsutomu ; KUBOTA, Natsumi ; MATSUMOTO, Jin ; OOTSUKI, Masashi ; YASUDA, Masahide
- 3C03 Photo-carrier generation and carrier mobility in the liquid crystalline phthalocyanine blend/PCBM system
(AIST-Ubiquen, Osaka Univ.) SHIMIZU, Yo ; MATSUDA, Yukimasa ; TAKAHASHI, Minokazu ; MONOBE, Hirosato ; YOSHIDA, Hiroyuki ; FUJII, Akihiko ; OZAKI, Msanori
- 3C04 Long-range photoinduced energy and electron transfers using step-pi-conjugated polymer as macromolecular wire
(Kansai Univ.) AOTA, Hiroyuki ; TANIMOTO, Shintaro ; MIYAMOTO, Hikaru ; YAMAGUCHI, Tomoaki ; YOKOI, Eri
- 3C05 Hole transfer dynamics controlled by flexibility of DNA

(Osaka Univ.) KAWAI, Kiyohiko ; HAYASHI, Mitsuo ; MAJIMA, Tetsuro

- 3C06 The mechanism of photoisomerization reactions of mononuclear ruthenium(II) aquo complexes and its application for synthesis of a dinuclear ruthenium complex
(Niigata Univ.) YAGI, Masayuki ; HIRAHARA, Masanari ; HAKAMATA, Tomoya ; INABA, Keisuke ; SAITO, Kenji ; YUI, Tatsuto
- 3C07 Diffusion/desorption of metal atoms on a surface with photochromic diarylethene-islands
(Osaka Kyoiku Univ.) TSUJIOKA, Tsuyoshi ; DOHI, Megumi
- 3C08 Bio-penetrating near-infrared mechanoluminescence for ubiquitous light source
(AIST) TERASAKI, Nao ; ZHENG, Liaoying ; YAMADA, Hiroshi ; XU, ChaoNan
- 3C09 Infrared sensors with plasmonic nanoantenna
(RIES-Hokkaido Univ., PRESTO-JST) UENO, Kosei ; ITOH, Hiroko ; NAKANO, Wakako ; YAZA, Hiroto ; NOZAWA, Sho ; SUN, Quan ; MISAWA, Hiroaki

13:40-16:00

- 3C10 Development of the near-infrared reflective film using silver nano disk particles
(Fujifilm co.) KIYOTO, Naoharu ; HAKUTA, Shinya ; KAMADA, Kou
- 3C11 Plasmon-enhanced photocurrent generation
(RIES-Hokkaido Univ. , PRESTO-JST) MISAWA, Hiroaki ; SHI, Xu ; SUN, Quan ; KOTAKE, Yuki ; UENO, Kosei
- 3C12 Preparation and Plasmonic Photocatalysis of Metal-Semiconductor Nanocomposite Particles(Nagoya Univ., Tokyo Univ. Sci., Osaka Univ.) TAKAHASHI, Takuya ; OKAZAKI, Ken-ichi ; KUDO, Akihiko ; KUWABATA, Susumu ; TORIMOTO, Tsukasa
- 3C13 Synthesis and Carrier Dynamics of ZnS-Au Heterostructured Nanoparticles
(Kyoto Univ., Univ. of Tsukuba, AIST) SAKAMOTO, Masanori ; IKEDA, Takahiro ; FURUBE, Akihiro ; TERANISHI, Toshiharu
- 3C14 Effect of electrolyte ions on photocurrent of metal oxide nanofilm fabricated by hybrid Langmuir-Blodgett process
(Shinshu Univ.) USAMI, Hisanao ; TORII, Yuki
- 3C15 Synthesis of nanoparticle p-n junction of organic semiconductors and its photocatalytic properties
(Tokyo Tech., ChangZhou Univ., Hirosaki Univ.) NAGAI, Keiji ; ARUNACHALAM, Prabhakarn ; ZHANG, Shuai ; ASANO, Masahiro ; IYODA, Tomokazu ; ABE, Toshiyuki
- 3C16 Alternate layered nanostructures of metal oxides using a click reaction and their photocatalytic activities
(Tokyo Tech.) MOCHIZUKI, Dai ; KUMAGAI, Kozue ; MAITANI, Masato ; SUZUKI, Eiichi ; WADA, Yuji