

Oral Session

Thursday, September 13

[Room A] 9:00-12:20

- 2A01 Study of antenna complex of green sulfur bacteria and of artificial antenna complex of chlorophylls and dye molecules by single molecule spectroscopy
(Tokyo Tech., Univ. of South Bohemia) FURUMAKI, Shu ; VACHA, Frantisek ; VACHA, Martin
- 2A02 Delayed-fluorescence spectra of leaves measured with a multichannel Fourier-transform chemiluminescence spectrometer
(TUAT, JAT) AKITA, Saeka ; YANO, Ayako ; AKAI, Nobuyuki ; ISHII, Hiroshi ; SATOH, Chikahiro ; NAKATA, Munetaka
- 2A03 Energy transfer-mediated photodecomposition of undesired acceptors to reversibly report the condensation and decondensation of DNA
(AIST , JST PRESTO, Hokkaido Univ., Josai Univ.) BIJU, Vasudevanpillai ; AKITA, Hidetaka ; EDAKKATTUPARAMBIL, Shibu ; ITOH, Tamitake ; HARASHIMA, Hideyoshi ; ISHIKAWA, Mitsuru ; MURASE, Norio
- 2A04 Photophysical properties of a donor-acceptor-type conjugated polymer: A single-molecule study
(King Abdullah Univ., Tokyo Tech.) HABUCHI, Satoshi ; FUJITA, Hiroyuki ; MICHINOBU, Tsuyoshi ; VACHA, Martin
- 2A05 Insulator-metal transition induced by photoirradiation and electric field and control of electrical conductivity in organic conductor
(Hokkaido Univ.) IIMORI, Toshifumi ; SABETH, Farzana ; OHTA, Nobuhiro
- 2A06 In situ observation of intracellular environments using fluorescence lifetime imaging of autofluorescent species
(RIES, Hokkaido Univ.) NAKABAYASHI, Takakazu ; HONMA, Masato ; ISLAM, Md. Serajul ; OHTA, Nobuhiro
- 2A07 Visualization of the charge trapping sites in P3HT-PCBM thin film as revealed by transient absorption microscopy measurement
(Osaka Univ., JST PRESTO) KATAYAMA, Tetsuro ; MIYASAKA, Hiroshi
- 2A08 Charge separation and recombination processes in OPV material based on diketopyrrolopyrrole polymer: Transient absorption and time-resolved microwave photoconductivity study
(Nihon univ., AIST, IMRE) KATOH, Ryuzi ; MATSUZAKI, Hiroyuki ; FURUBE, Akihiro ; SONAR, Prashant ; SINGH, Samarendra ; WILLIAMS, Evan ; CHELLAPAN, Vijila ; GORELIK, Sergey ; HOBLEY, Jonathan
- 2A09 Excitation-Wavelength Dependence of Charge-Carrier Dynamics in Cu or Fe Loaded N-Doped TiO₂ Powder Studied by Femtosecond Diffuse Reflectance Spectroscopy

(Toyota Central R&D Labs., Inc.) YAMANAKA, Ken-ichi ; OHWAKI, Takeshi ; MORIKAWA, Takeshi

2A10 Efficient Interparticle Charge Transfer in TiO₂ Mesocrystal
(Osaka Univ.) TACHIKAWA, Takashi ; BIAN, Zhenfeng ; MAJIMA, Tetsuro

[Room B] 9:00-12:20

2B01 Synthesis and Photophysical Properties of Fused Hexaphyrins
(Kyoto Univ., Yonsei Univ.) ARATANI, Naoki ; NAODA, Koji ; TANAKA, Takayuki ; MORI, Hirotaka ; KIM, Dongho ; OSUKA, Atsuhiko

2B02 Oxidative Dechlorination of Chlorinated Organic Compound Catalyzed by Vitamin B₁₂-TiO₂
(Kyushu Univ.) SHIMAKOSHI, Hisashi ; HISAEDA, Yoshio

2B03 Mechanistic study on Enantiodifferentiating Photocyclodimerization of 2-Anthracencarboxylate Mediated by comparing Native and Mutant Human Serum Albumins
(Osaka Univ., Sojo Univ.) NISHIJIMA, Masaki ; KATO, Hanako ; MORI, Tadashi ; OTAGIRI, Masaki ; INOUE, Yoshihisa

2B04 Chiroptical behavior of photochromic diarylethenes in Human serum albumin
(Yokohama National Univ.) FUKAGAWA, Mai ; KAWAMURA, Izuru ; UBUKATA, Takashi ; YOKOYAMA, Yasushi

2B05 Preparation of highly-sensitive molecular beacons by using excitonic
(Nagoya Univ.) KASHIDA, Hiromu ; FUJII, Taiga ; HARA, Yuichi ; YOSHIDA, Yasuko ; ASANUMA, Hiroyuki

2B06 Novel ruthenium complexes with a dipyridophenazine ligand as luminescent probes for detecting proteins
(Shibaura Inst. of Tech.) NAKAMURA, Asao ; SAKATANI, Yoshiaki

2B07 Design, synthesis, and biological activity of photochromic enzyme inhibitor
(Aoyama Gakuin Univ., CREST) TSUJIMOTO, Takashi ; ABE, Jiro

2B08 Photoinduced Transformation of Diarylethene Vesicles
(Kyoto Univ.) HIGASHIGUCHI, Kenji ; TAIRA, Genki ; SATO, Yosuke ; NISHIMURA, Kazuki ; HIROSE, Takashi ; MATSUDA, Kenji

2B09 Immobilization and photochemical activity of photosystem I and II
(Nagoya Inst. of Tech., Osaka City Univ., Okayama Univ., Nagoya Univ.) NOJI, Tomoyasu ; KONDO, Masaharu ; KAWAKAMI, Keisuke ; SHEN, Jian-Ren ; ITOH, Shigeru ; NANGO, Mamoru ; DEWA, Takehisa

2B10 Changes in gene expression and metabolite production in oyster mushroom mycelia caused by blue light stimulation
(Shinshu Univ.) KOJIMA, Masanobu

[Room C] 9:00-12:00

- 2C01 Red-emission enhancement in Europium(III) chelates-doped DNA-CTMA film
(Chiba Univ.) NAKAMURA, Kazuki ; SAGARA, Amika ; KOBAYASHI, Norihisa
- 2C02 Luminescence Properties and Photochromic Response of Cyclometalated Dinuclear Platinum Complexes
(Hokkaido Univ., IMS) YASHIRO , Naoki ; AOKI, Rie ; KOBAYASHI , Atushi ; CHANG , Ho-Chol ; KATO, Masako
- 2C03 Development of near infrared emissive iridium complexes for hypoxia imaging
(Gunma Univ., Akita Prefectural Univ.) YOSHIHARA, Toshitada ; YAGIHASHI, Miki ; HOSAKA, Masahiro ; TAKEUCHI, Toshiyuki ; TOBITA, Seiji
- 2C04 Highly efficient mononuclear metal-complex photocatalyst for CO₂ reduction under visible light irradiation
(Toyota Central R&D Labs. Inc. , PRESTO/JST) SATO, Shunsuke ; MORIKAWA, Takeshi ; KAJINO, Tsutomu
- 2C05 Photocatalytic Reduction of Carbon Dioxide by Dinuclear Complexes Composed of Two Adjacent Rhenium(I) Complexes
(Tokyo Tech. , PRESTO/JST) MORIMOTO, Tatsuki ; ISHITANI, Osamu
- 2C06 Photophysical Properties of Fullerene Peapods Functionalized by Porphyrins
(Kyoto Univ.) UMEYAMA, Tomokazu ; MIHARA, Junya ; IMAHORI, Hiroshi
- 2C07 Correlation between photoluminescence properties and photocatalytic activities of the Pt complex supported onto mesoporous silica materials
(Osaka Univ.) MORI, Kohsuke ; WATANABE, Kentaro ; YAMASHITA, Hiromi
- 2C08 Regioselective Glycosylation on Porphyrin leads Unique Pharmacokinetic Behavior and Efficient
(Ube National College of Technology, NAIST, Univ. of Yamanashi) HIROHARA, Shiho ; TOTANI, Masayasu ; OKA, Chio ; YUASA, Junpei ; NAKASHIMA, Takuya ; OBATA, Makoto ; KAWAICHI, Masashi ; KAWAI, Tsuyoshi ; KAKIUCHI, Kiyomi ; TANIHARA, Masao
- 2C09 Improvement of light absorption properties of silyl-photosensitizer
(Gunma Univ., Utsunomiya Univ.) HORIUCHI, Hiroaki ; IKEDA, Remi ; ITOH, Satoshi ; GOMIBUCHI, Yuta ; KYUSHIN, Soichiro ; OKUTSU, Testuo