

Oral Session

Wednesday, September 8

[Room A]

9:00-12:00

- 1A01 Plasmonic nano-antennas for efficient photo-energy conversion at well-defined metal-monolayer system
(Hokkaido Univ.; NIMS) IKEDA, Katsuyoshi; TAKAHASHI, Kenji; MASUDA, Takuya; UOSAKI, Kohei
- 1A02 Structure of Polymers Studied by Super-Resolution Optical Microscopy
(Kyoto Univ.) AOKI, Hiroyuki; MORI, Kazuki
- 1A03 Influence of UV-B intensity on secondary organic aerosol formation in toluene photooxidation
(NIES; Kobe Univ.) IMAMURA, Takashi; FUKUDA, Sayaka; UCHIDA, Risa; SATO, Kei; NAKAGAWA, Kazumichi
- 1A04 Fluorescence Spectroscopic Properties of Dinaphthylhexatrienes in Solution and in the Crystalline State: Effects of Internal Rotation
(AIST; Osaka Univ.) SONODA, Yoriko; TSUZUKI, Seiji; GOTO, Midori; TOHNAI, Norimitsu; YOSHIDA, Masaru
- 1A05 Excited state of aza- and thio-substituted nucleic acid bases
(Aoyama Gakuin Univ.; Tokyo Tech) SUZUKI, Tadashi; KOBAYASHI, Takashi; KURAMOCHI, Hikaru; TAKAHASHI, Hideaki; ISOZAKI, Tasuku; ICHIMURA, Teijiro
- 1A06 Pi Conjugation of diarylethenes with two nitronyl nitroxides
(The KAITEKI Institute, INC.; Mitsubishi Chemical Group, Science and Technology Research Center, INC.; Kyoto Univ.) YOKOJIMA, Satoshi; SHINODA, Keiko; KOBAYASHI, Takao; MATSUDA, Kenji; NAKAMURA, Shinichiro

13:00-18:00

- 1A07 Effect of temperature on charge recombination reaction in dye-sensitized TiO₂ films
(AIST) KATO, Ryuzi; FURUBE, Akihiro
- 1A08 Structure control of gold nanoparticles photo-synthesized during laser-induced phase separation in 2-butoxyethanol/water mixtures
(Tohoku Univ.) KAJIMOTO, Shinji; SHIRASAWA, Daisuke; NAKAMURA, Takashi; FUKUMURA, Hiroshi
- 1A09 Electronic Structure of Interface between Electrode and Organic Layer: Liquid-Crystalline Organic Semiconductor
(Tokyo Tech; Tokyo Polytech. Univ) TANI, Tadaaki; IINO, Hiroaki; UCHIDA, Takayuki; HANNA, Jun-ichi
- 1A10 Photon Antibunching Behavior of Single Quantum Dots - Metal Nanostructure

System

(Kwansei Gakuin Univ.; Tohoku Univ.; Kyoto Inst. Tech.) MASUO, Sadahiro; NAIKI, Hiroyuki; TANAKA, Teruhisa; MACHIDA, Shinjiro; ITAYA, Akira

- 1A11 Optical Trapping of Quantum Dots Based on Gap-Mode-Excitation of Localized Surface Plasmon
(Hokkaido Univ.; Osaka Pref. Univ.) TSUBOI, Yasuyuki; SHOJI, Tatsuya; KITAMURA, Noboru; TAKASE, Mai; MURAKOSHI, Kei; MIZUMOTO, Yoshihiko; ISHIHARA, Hajime
- 1A12 Acceleration of photochromic reaction by localized surface plasmon resonance of metallic nanoparticle
(Ehime Univ.; Osaka Univ.; Osaka City Univ.) ASAHI, Tsuyoshi; SATAKE, Kazuyasu; MORI, Takuya; KOBATAKE, Seiya; NISHI, Hiroyasu
- 1A13 Charge Generation and Recombination Dynamics in Polythiophene/Fullerene Blend Films
(Kyoto Univ.; JST-PRESTO) OHKITA, Hideo; GUO, Jiamo; BENTEN, Hiroaki; ITO, Shinzaburo
- 1A14 Induced chirality as a result of axial binding of the chiral ligands to Zn porphyrin hexamer with triphenylene core and its dynamic behaviour
(Tohoku Univ.; JAIST; Keio Univ.; JST-PRESTO) ARAKI, Yasuyuki; MURAKAMI, Makoto; SAKAMOTO, Seiji; WADA, Takehiko; SANDANAYAKA, Atula; RABBANI, Mohammad; HASOBE, Taku
- 1A15 Photoconduction in Films of Perylene Bisimide Nanofibers Formed by Multiple Hydrogen-bonds
(Niigata Univ.; Chiba Univ.) WAKIKAWA Yusuke; IKOMA, Tadaaki; SEKI, Tomohiro; YAGAI, Shiki
- 1A16 Anisotropic Excitation of an Isolated Single-Walled Carbon Nanotube at the Local Electromagnetic Field
(Hokkaido Univ.) YASUDA, Satoshi; TAKASE, Mai; NARA, Masanobu; KOMEDA, Keiichiro; NABIKA, Hideki; MURAKOSHI, Kei
- 1A17 Observations of Möbius and Hückel Aromatic Hexaphyrins in the Excited Triplet States by means of Time-resolved EPR
(Tohoku Univ.; Osaka City Univ.; Kyoto Univ.) YAMAUCHI, Seigo; TANABE, Mana; SUGISAKI, Kenji; TOYOTA, Kazuo; SATO, Kazunobu; TAKUI, Takeji; SAITO, Shohei; OSUKA, Atsuhiko
- 1A18 A time-resolved fluorescence study in acetylene-linked pyrene dimers
(Tokyo Metro. Univ.) ASANO, Motoko S.; KITABAYASHI, Masato; FUJINO, Tatsuya; YAMASHITA, Kenichi; HADA, Masahiko; SUGIURA, Kenichi
- 1A19 β -Bond dissociation in highly excited triplet states of aromatic compounds studied by stepwise bicolor laser flash photolysis
(Gunma Univ.) YAMAJI, Minoru
- 1A20 Photocatalytic Synthesis of Pharmaceutical Compounds in a Microreaction System

(Tokyo Tech; Egypt-Japan University of Science and Technology; Aoyama Gakuin Univ.) MATSUSHITA, Yoshihisa; FUKAZAWA, Yohei; OOKAWARA, Shinichi; ISOZAKI, Tasuku; SUZUKI, Tadashi

- 1A21 Crystal growth by photochemically-controlled interaction between particles
(Gunma Univ.; JST-PRESTO) OKUTSU, Tetsuo; ITOGA, Takerou; NIINOMI, Tomoyuki

[Room B]

9:00-12:00

- 1B01 Spontaneous Generation and Amplification of Chirality by Photodimerization
(Chiba Univ.) SAKAMOTO, Masami; YAGISHITA, Fumitoshi; ONUKI, Tatsuo; MINO, Takashi; FUJITA, Tsutomu
- 1B02 Asymmetric Photoreaction Templated by Serum Albumins
(Shibaura Inst. Tech.) NAKAMURA, Asao; YAMADA, Takamasa; HIRANUMA, Kouta
- 1B03 Highly Efficient Enantioselective Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Canine Serum Albumin
(Osaka Univ.; Tohoku Univ.) NISHIJIMA, Masaki; FUJIKAWA, Mayu; MORI, Tadashi; WADA, Takehiko; INOUE, Yoshihisa
- 1B04 Photochemical C-C bond formation between olefins and ethers
(AIST) OUCHI, Akihiko; LIU, Chuanxiang
- 1B05 Acceleration of Photodecompositions of *N*-Tosyloxy Aromatic Imides, Photoacid Generators, by Addition of Alkylbenzenes
(Shimane Univ.) KANATSU, Masaki; SHIRATORI, Hideo; KUBO, Yasuo
- 1B06 Formation of Anion via Photochemical Decarboxylation
(Univ. of Fukui; Ritsumeikan Univ.) YOSHIMI, Yasuharu; NAOE, Takashi; KAMIO, Masahiro; NISHIKAWA, Keisuke; HATANAKA, Minoru; ITOU, Tatsuya; OKADA, Yutaka

13:00-18:00

- 1B07 Selective Photooxygenation of Aromatic Hydrocarbons with Electron-Transfer Photocatalysts
(Osaka Univ.) OHKUBO, Kei; MIZUSHIMA, Kentaro; KOBAYASHI, Takaki; FUKUZUMI, Shunichi
- 1B08 Contrasting Intermolecular and Intramolecular Exciplex Formation of a 1,4-Dicyano-2-Methylnaphthalene-*N,N*-Dimethyl-*p*-Toluidine Dyad
(Osaka Pref. Univ.; Seika Corporation; Wakayama Seika Kogyo Co., Ltd) IMOTO, Mitsutaka; IKEDA, Hiroshi; KANO, Yusuke; TANIGUCHI, Hisaji; TAMAKI, Akihiro; TAKEDA, Motonori; MIZUNO, Kazuhiko
- 1B09 Generation and Reactivity of Triplet Diphenylcarbene Protected by Four Iodine Groups

- (Mie Univ.; Aichi Inst. of Technol.; Nagoya Industrial Sci. Res. Inst.) HIRAI, Katsuyuki; BESSHO, Kana; KITAGAWA, Toshikazu; TOMIOKA, Hideo
- 1B10 Laser Trapping Crystallization (4): Crystallization and Polymorph Control in Unsaturated Glycine/D₂O Solution
(NAIST; National Chiao Tung Univ.) SUGIYAMA, Teruki; RUNGSIMANON, Thitiporn; YUYAMA, Ken-ichi; MASUHARA Hiroshi
- 1B11 Non-sacrificial water splitting through two-step photoexcitation by visible light using dye-sensitized semiconductors as a hydrogen production photocatalyst
(Hokkaido Univ.; JST-PRESTO; AIST) ABE, Ryu; IMAI, Youhei; KOUMURA, Nagatoshi; HARA, Kohjiro; OHTANI, Bunsho
- 1B12 Hydrogen Evolution and Molecular Transformation by Titanium Oxide Modified with Metal Complex
(Kyushu Univ.) SHIMAKOSHI, Hisashi; NAGAMI, Yoko; KAWAHARA, Shinya; HISAEDA, Yoshio
- 1B13 Self-assembled Two-photon Absorption Dyes Based on Hexaazatriphenylenes
(Kurume National College of Tech.; AIST) ISHI-I, Tsutomu; AMEMORI, Shogo; OKAMURA, Chie; KAMADA, Kenji
- 1B14 Fluorescent Dyes Based on The Light-emitter of Cypridina Bioluminescence: [Amidopyrazinato-*O*, *N*]boron Derivatives
(UEC Tokyo; RIKEN; Osaka Pref. Univ.) HACHIYA, Sojiro; INAGAKI, Takayuki; HASHIZUME, Daisuke; IKEDA, Hiroshi; MIZUNO, Kazuhiko; MAKI, Shojiro; NIWA, Haruki; HIRANO, Takashi
- 1B15 Design of insulator molecules for enhancement of fluorescent quantum yield in a DNA duplex
(Nagoya Univ.) KASHIDA, Hiromu; SEKIGUCHI, Koji; ASANUMA, Hiroyuki
- 1B16 Mechanofluorochromism of Donor- π -Acceptor type Solid-state Fluorescent Dyes
(Hiroshima Univ.) OOYAMA, Yousuke; FUKUOKA, Hiroshi; KOMAGUCHI, Kenji; IMAE, Ichiro; HARIMA, Yutaka
- 1B17 Luminescence properties of dye molecules adsorbed on two-dimensional photonic crystals
(NICT) KAJI, Takahiro; UEDA, Rieko; YAMADA, Toshiki; OTOMO, Akira
- 1B18 Highly efficient long lived room temperature phosphorescence from organic materials under the atmosphere
(Kyushu Univ.; Tokyo Univ. of Agri. & Tech.) HIRATA, Shuzo; ADACHI, Chihaya; TOTANI, Kenro
- 1B19 Real-Time Molecular Vibrational Spectroscopy during the Denitrogenation of 2,3-Diazabicyclo[2.2.1]hept-2-ene
(Hiroshima Univ.; JST-PRESTO; UEC; JST-ICORP; Osaka Univ.; NCTU) IWAKURA, Izumi; YAGI, Singo; KOBAYASHI, Takayoshi; ABE, Manabu
- 1B20 Photoexcited States of Organic UV Absorbers
(Yokohama Nat.Univ.) KIKUCHI, Azusa; YUKIMARU Shinsuke; SHIBATA, Kenji;

YAGI, Mikio

- 1B21 Detection of Single Nucleotide Polymorphisms Based on Photocatalytic formation of I₂
(Osaka Univ.) KAWAI, Kiyohiko; KODERA, Haruka; MAJIMA, Tetsuro

[Room C]

9:00-12:00

- 1C01 Photochemical Properties of Liquid-Crystalline Macrocyclic Azobenzenes
(AIST) NORIKANE, Yasuo; HIRAI, Yuki; YOSHIDA, Masaru
- 1C02 Photo-induced Isothermal Phase Changes between Calamitic and Discotic Phases by
the trans-cis Photo-isomerization of Azobenzenes
(Ryukoku Univ.; AIST Kansai) UCHIDA, Kingo; TANAKA, Daisuke; ISHIGURO,
Hisato; OHNISHI, Kazuki; SHIMIZU, Yo
- 1C03 Construction and Property of Macrocyclic Hetero-conjugated Composites
(Univ. of Yamanashi) OGAWA, Kazuya; TAKANO, Yusuke; TANAKA, Misa
- 1C04 Generation and Recombination Dynamics of Charged Carriers in Fluorene-Based
Copolymer/Polythiophene Blend Solar Cells Studied by Transient Absorption
Spectroscopy
(Kyoto Univ.; JST-PRESTO) BENTEN, Hiroaki; KOSAKA, Junya; OHKITA, Hideo;
ITO, Shinzaburo
- 1C05 Photophysical properties of dyes intercalated into silica nanopores.
(Tokyo Tech) MOCHIZUKI, Dai; XU, Chen; SUGIYAMA, Motohiko; WADA, Yuji
- 1C06 Light Harvesting Properties of Periodic Mesoporous Organo Silica and
Metallo-Complex Hybrid Materials
(Tokyo Tech; Toyota Central R&D Lab.; AIST; JST-CREST) YUI, Tatsuto; SEKIZAWA,
Keita; TAKEDA, Hiroyuki; KOIKE, Kazuhide; INAGAKI, Shinji; ISHITANI, Osamu

13:00-18:00

- 1C07 A Facially Chiral Photochromic Diarylethene Showing Perfect Diastereoselective
Ring Closure
(Yokohama Nat. Univ.) SHIOZAWA, Tatsuya; HOSSAIN, Mohammed Kamrul;
UBUKATA, Takashi; YOKOYAMA, Yasushi
- 1C08 Photochromism of Diarylethene Single Crystals Having Hydrogen-Bonding Networks
(Rikkyo Univ.; JST-PRESTO) MORIMOTO, Masakazu; IRIE, Masahiro
- 1C09 Solution-phase Synthesis and Photoelectrochemical Property of Kesterite-type
Semiconductor Nanoparticles
(Nagoya Univ.; Hokkaido Univ.; Tokyo Univ. Sci.; Osaka Univ.) TORIMOTO, Tsukasa;
OSAKI, Takaaki; KAMEYAMA, Tatsuya; OKAZAKI, Ken-ichi; SHIBAYAMA, Tamaki;
KUDO, Akihiko; KUWABATA, Susumu
- 1C10 Chirality-sensing Polythiophene Modified with Tethered Cyclodextrin Pendants
(Osaka Univ.) FUKUHARA, Gaku; INOUE, Yoshihisa

- 1C11 Fluorescence and photochemistry of core-shell type nanopowders derived from molecular crystals and silica nanoparticles
(Toho Univ.) ICHIMURA, Kunihiro
- 1C12 Nanostructure and morphology control of photo-responsive layered hybrids
(Tokyo Metro. Univ.; JST-SORST) NABETANI, Yu; HAYASAKA, Yuika; TAKAMURA, Hazuki; NAKAMURA, Yuka; SHIMADA, Tetsuya; TACHIBANA, Hiroshi; INOUE, Haruo
- 1C13 Mechanical Bending of Spiropyrane Single Crystals on Photoirradiation
(Ehime Univ.) KOSHIMA, Hideko; UCHIMOTO, Hidetaka
- 1C14 Selective metal deposition on a diarylethene surface with colored-patterns
(Osaka Kyoiku Univ.) TSUJIOKA, Tsuyoshi; NATSUME, Daisuke; SESUMI, Yusuke
- 1C15 Photochemical Properties of Porphyrine-coordinated Small Gold Nanoparticles
(Univ. of Tsukuba; JST-CREST) SAKAMOTO, Masanori; TANAKA, Daisuke; KANEHARA, Masayuki; TERANISHI, Toshiharu
- 1C16 Photocatalytic properties of organic-semiconductor nanoparticles with p-n junction
(Tokyo Tech; Hirosaki Univ.) NAGAI, Keiji; ZHANG, Shuai; SAKAI, Ryohei; KIMISHIMA, Ichiro; YASUDA, Yuzuri; IYODA, Tomokazu; ABE, Toshiyuki
- 1C17 Single-molecule Fluorescence Photoswitching based on Intramolecular Electron Transfer
(Hokkaido Univ.; JST-PRESTO; Osaka Univ.; Rikkyo Univ.) FUKAMINATO, Tsuyoshi; ISHIBASHI, Yukihide; MIYASAKA, Hiroshi; IRIE, Masahiro
- 1C18 Quantitative analysis of plasmon-assisted two-photon photochromic reactions
(Hokkaido Univ.; JST-PRESTO) UENO, Kosei; WU, Botao; YOKOTA, Yukie; MISAWA, Hiroaki
- 1C19 Intramolecular Charge-Transfer Processes and Dye-sensitized Solar Cell Properties of Phosphorus(V)porphyrin Derivatives with *N,N*-Dimethylaminophenyl Groups
(The Univ. of Tokyo) NAKAZAKI, Jotaro; FUJINUMA, Naohiro; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi
- 1C20 Ultrafast single exponential responses in the visible to near infrared region by controlling reverse electron transfer reactions in CT complexes with nano-cavity molecules
(Kyushu Univ.) NAGAMURA, Toshihiko; SOTA, Yasuhiro; INOUE, Tatsuaki; ONO, Tomonori; KAWASAKI, Kaoru
- 1C21 Analysis of environment-responsive upconversion via triplet-triplet annihilation in aqueous media using water-soluble polymeric matrices
(Kyoto Univ.) TANAKA, Kazuo; OHASHI, Wataru; CHUJO, Yoshiki

Oral Session

Thursday, September 9

[Room A]

9:00-10:20

- 2A01(IS) Photoisomerization reaction of phenylazo-substituted imidazolium cation in ionic liquids
(Tokyo Tech) MONJI, Tomoo; KAWAMORI, Daiki; AKAI, Nobuyuki; KAWAI, Akio; SHIBUYA, Kazuhiko
- 2A02(IS) Multiply Charged Transition Metal Formation
(Osaka City Univ.; JST-PRESTO) YATSUHASHI, Tomoyuki; MURAKAMI, Eri; NAKASHIMA, Nobuaki
- 2A03(IS) Laser trapping and reorientation in nematic liquid crystals
(National Chiao Tung Univ.) USMAN, Anwar; UWADA, Takayuki; MASUHARA, Hiroshi
- 2A04(IS) Importance of Electron Spin Dynamics on Charge Recombination in Donor-Bridge-Acceptor Molecules
(Northwestern Univ.) MIURA, Tomoaki; SCOTT, Amy M.; WASIELEWSKI, Michael R.

13:00-15:00

- 2A05(IS) Femtosecond Transient Absorption Spectroscopy and Single Particle Spectroscopy of Core-shell InP/ZnS Quantum Dots
(Kwansei Gakuin Univ.; AIST) TAKEUCHI, Akira; CHUNLIANG, Li; MURASE, Norio; TAMAI, Naoto
- 2A06(IS) Blinking Suppression in Semiconductor Quantum Dots Governed by Electron Transfer
(AIST; Kagawa Univ.) BIJU, Vasudevanpillai; HAMADA, Morihiko; ITOH, Tamitake; NAKANISHI, Shunsuke; ISHIKAWA, Mitsuru
- 2A07(IS) Analyses of exciplex kinetics of anthracene-guanine compounds
(Univ. of Tsukuba) NISHIMURA, Yoshinobu; SHIMAMURA, Koki; ARAI, Tatsuo
- 2A08(IS) Structure of chlorosomal antennae of photosynthetic bacteria studied by single-molecule absorption spectroscopy
(Tokyo Tech) VACHA, Martin; FURUMAKI, Shu; HABUCHI, Satoshi
- 2A09(IS) Time-Resolved Fluorescence Decays of FAD in a Mixture of Alcohol and Water in the Femtosecond and Nanosecond Time Range
(Hokkaido Univ.) NAKABAYASHI, Takakazu; ISLAM, Md. Serajul; OHTA, Nobuhiro
- 2A10(IS) Multimode diffusion of ring polymer molecules revealed by a single-molecule study
(Tokyo Tech) HABUCHI, Satoshi; YAMAMOTO, Takuya; TEZUKA, Yasuyuki; VACHA, Martin

[Room B]

9:00-10:20

- 2B01(IS) Reactivities of retinol neutral radicals toward oxygen
(Osaka Univ.; New Damietta; Keele Univ.) El-AGAMEY, Ali; FUKUZUMI, Shunichi;
McGARVEY, David J
- 2B02(IS) Activity Control of Singlet Oxygen Generation Photosensitized by Porphyrin through
DNA Recognition
(Shizuoka Univ.; Univ. of Tsukuba; Hamamatsu Univ. School of Med.) HIRAKAWA,
Kazutaka; NISHIMURA, Yoshinobu; ARAI, Tatsuo; HIRANO, Toru
- 2B03(IS) Photosensitized oxidation of alkenes with dendrimers as microreactors: controllable
selectivity between energy and electron transfer pathway
(Chinese Academy of Sci.) LI, Yi; YUAN, Zhao
- 2B04(IS) Fluorescence Properties of Diaroylmethanato-boron Difluorides in the Solid State
(Osaka Pref. Univ.) IKEDA, Hiroshi; YOSHIMOTO, Yuichi; MIZUNO, Kazuhiko

13:00-15:00

- 2B05 Application of step- π -conjugated polymer for artificial photosynthetic system
(Kansai Univ.) AOTA, Hiroyuki; KONDO, Yuya; HAMAMURA, Yuya; UCHIDA, Yuki;
EJIRI, Hiroaki; NISHIMURA, Syota; MATSUMOTO, Akira
- 2B06 Photo-operated Glucose Biofuel Cell with the Function of Carbon Dioxide Conversion
(Oita Univ.) AMAOKI, Yutaka; SHUTO, Naho
- 2B07 *In vivo* Imaging of Cancer Tissue Using Near Infrared Emissive Iridium Complexes
(Gunma Univ.) YOSHIHARA, Toshitada; OHORI, Yuka; HOSAKA, Masahiro;
TAKEUCHI, Toshiyuki; TOBITA, Seiji
- 2B08 Introduction of an additional fluorescent dye to fluorescent probes for detection of
nucleic acids
(RIKEN) IKEDA, Shuji; KUBOTA, Takeshi; YANAGISAWA, Hiroyuki; YUKI, Mizue;
OKAMOTO Akimitsu
- 2B09 Response of Genes in Oyster Mushroom Mycelia Stimulated by Blue Light
(Shinshu Univ.) KOJIMA, Masanobu; NAKANO, Yoko; FUJII, Hiroshi
- 2B10 Photomechanical Behavior of Photochromic Molecular Fibers
(Muroran Inst. Tech.) NAKANO, Hideyuki

[Room C]

9:00-10:20

- 2C01(IS) Photoluminescent Properties of Excited State Intramolecular Proton Transfer and
Charge Transfer Compounds
(Chinese Academy of Sci.) YANG, Guoqiang

- 2C02(IS) Photocatalytic Mechanism of Hydrogen Evolution using Shape- and Size-Controlled Metal-Nanoparticles and 9-Mesityl-10-methylacridinium Ion
(Osaka Univ.) KOTANI, Hiroaki; HANAZAKI, Ryo; OHKUBO, Kei; YAMADA, Yusuke; FUKUZUMI, Shunichi
- 2C03(IS) Energy Relaxation Pathway of a Polarized Emissive Thin Film with Europium Complexes
(Aoyama Gakuin Univ.) HASEGAWA, Miki; DENO, Kazuki; FUKAWA, Tomonori; AOKI, Matsuyori; TAKAHASHI, Isao
- 2C04(IS) Time-resolved measurement of the photoresponse in the organic superconductor κ -(BEDT-TTF)₂Cu[N(CN)₂]Br
(Hokkaido Univ.) IIMORI, Toshifumi; SABETH, Farzana; NAKAHATA, Takayuki; NAITO, Toshio; OHTA, Nobuhiro

13:00-15:00

- 2C05 Mobility of Ions in the Nanochannels of Polymer Electrolyte Membranes
(AIST) SHIOYAMA, Hiroshi
- 2C06 Solvent Responsive Structurally Colored Balloons
(Kyoto Univ.) HIGASHIGUCHI, Kenji; ODA, Tomohiro; MATSUDA, Kenji
- 2C07 Investigation of photo-induced shape changes of metal nanoparticles using nanoblocks
(Kyushu Univ.; Hokkaido Univ.) TSUJI, Takeshi; UENO, Kousei; YOKOTA, Yukie; TSUJI, Masaharu; MISAWA, Hiroaki
- 2C08 Photosensitization of Semiconductor Quantum Dot and Photovoltaic Properties
(The Univ. Electro-Commun.) TOYODA, Taro; SHEN, Qing
- 2C09 Elucidation of Charge Transfer Mechanism in Dye-modified KTaO₃ Photocatalyst for Water Splitting by Transient Response Method
(Kyushu Univ.; Oita Univ.) HAGIWARA, Hidehisa; INOUE, Takanori; IDA, Shintaro; ISHIHARA, Tatsumi
- 2C10 Photochemical relaxation process from the higher-excited states of Re(I)diiminetricarbonylchloride complex
(AIST; Tokyo Tech; Toyota Central Research Laboratory; Osaka Univ.; JST-CREST) KOIKE, Kazuhide; SATO, Shunsuke; FUKASAWA, Naoto; ONDA, Ken; ISHIBASHI, Yukihide; KATAYAMA, Tetsuro; MIYASAKA, Hiroshi; ISHITANI, Osamu

Oral Session

Friday, September 10

[Room A]

9:00-11:00

- 3A01 Evaluation of the Photocatalytic Activity of Au/TiO₂ Nanocomposite Particles by Single-Molecule Fluorescence Spectroscopy
(Osaka Univ.) TACHIKAWA, Takashi; WANG, Nan; MAJIMA, Tetsuro
- 3A02 Environmental refractive index dependence of SERS spectra of single Ag nano-dimers (AIST; Kwansai Gakuin Univ.) ITOH, Tamitake; YOSHIDA, Ken-ichi; BIJU, Vasudevanpillai; ISHIKAWA, Mitsuru; OZAKI, Yukihiro
- 3A03 Picosecond excited singlet state relaxation of rubrene single crystal: Charge separation or MEG?
(AIST) FURUBE, Akihiro; KATOH, Ryuzi; MIYADERA, Tetsuhiko; YOSHIDA, Yuji
- 3A04 Electronic couplings in charge-separated states of fullerene-porphyrin dyads bridged by oligosilane
(Shizuoka Univ.; Kyoto Univ.; The Univ. of Tokyo; RIKEN) KOBORI, Yasuhiro; SUZUKI, Minami; SHIBANO, Yuki; TSUJI, Hayato; MURAI, Hisao; TAMAO, Kohei
- 3A05 Biosensing technique by using laser induced silver nanoparticle formation
(Osaka Univ.) YOSHIKAWA, Hiroyuki; HIRONAKA, Takayuki; TAMIYA, Eiichi
- 3A06 Necessary conditions for gold nanoparticle formation in the photoreduction reaction
(Chuo Univ.) KATAYAMA, Kenji; EITOKU, Takeshi; NAKAZATO Yuta; TANIGUCHI Kazuya; ONO Shunichi
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[Room B]

9:00-11:00

- 3B01 Preparation and characterization of phase-segregated mixed vesicles consisting of polymerizable diacetylene and non-polymerizable amphiphiles
(Univ. Miyazaki) MATSUMOTO, Jin; SHIRAGAMI, Tsutomu; YASUDA, Masahide
- 3B02 Development of silicon-containing photosensitizers: Photophysical properties and in vivo study
(Gunma Univ.; Tohoku Univ.) HORIUCHI, Hiroaki; MASHIO, Hiroyuki; HOSAKA, Masahiro; TAKEUCHI, Toshiyuki; ISHIDA, Shintaro; KYUSHIN, Soichiro; OKUTSU, Tetsuo; HIRATSUKA, Hiroshi
- 3B03 Oxygen evolution by visible-light harvesting of acridone-bridged periodic mesoporous organosilica
(Toyota Central R&D Labs., Inc.; JST-CREST) TAKEDA, Hiroyuki; OHASHI, Masataka; TANI, Takao; INAGAKI, Shinji
- 3B04 Photocatalytic Decomposition of New Fluorinated Surfactants Using

Silicicpolyoxometalates

(Kanagawa Univ.; AIST) HORI, Hisao; ISHIDA, Kyoko; INOUE, Naoko; KUTSUNA, Shuzo; KOIKE, Kazuhide

3B05 Multilayer Film Effect of Porphyrin Zinc(II) Complexes in Dye-Sensitized Solar Cells (Kochi Univ. of Tech.) SUMI, Katsuhiko; DOI, Tomoya; NOMURA, Masataka; TAMURA, Masahiro

3B06 Organic solar cells based on surface complexes of titanium dioxide and dicyanomethylene compounds: effects of cations in the electrolyte (The Univ. of Tokyo) FUJISAWA, Jun-ichi; HONDA, Norikazu; NAKAZAKI, Jotaro; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi

[Room C]

9:00-11:00

3C01 Mechanism of photoisomerization of a 2-(2-pyridyl)-1,8-naphthyridine aquo ruthenium(II) complex (Niigata Univ; JST-PRESTO) HAKAMATA, Tomoya; KOMI, Manabu; YAMAZAKI, Hirosato; YAGI, Masayuki

3C02 Singlet Oxygen Generation Using Cationic Iridium Complexes as Photosensitizers (The Univ. of Tokyo) TAKIZAWA, Shin-ya; ABOSHI, Ryo; MURATA, Shigeru

3C03 Preparation and Properties of Photo-functional Cobalt-Quinone Complexes Exhibiting Valence Tautomerism (Kyushu Univ.) KANEGAWA, Shinji; SATO, Osamu

3C04 Photophysics of Ruthenium(II) Polypyridyl -Gold(I) Ethynyl Supramolecular Metal Complexes (Nagoya Inst. of Tech.; Univ. of Toyama) SHIOTSUKA, Michito; TSUJI, Yasushi; KEYAKI, Kazutoshi; NOZAKI, Koichi

3C05 Mechanoluminescent ubiquitous light source; Ultrasonic wave induced mechanoluminescence (AIST; JST-CREST) TERASAKI, Nao; YAMADA, Hiroshi; XU, Chao-Nan

3C06 Modulation of luminescence of lanthanide complexes by photoinduced electron transfer and its application to sensing (The Univ. of Tokyo) TERAI, Takuya; URANO, Yasuteru; NAGANO, Tetsuo