

[Room A]**9:40-12:40**

- 1A01 Bimolecular recombination of charge carriers in polythiophene/fullerene blend films
(Kyoto Univ., JST-PRESTO) OHKITA, Hideo; GUO, Jiamo; BENTEN, Hiroaki; ITO, Shinzaburo
- 1A02 Orientational structure and dynamics of photoinduced charge-separated state in the blend films of polythiophene and fullerene
(Shizuoka Univ., JST-PRESTO) KOBORI, Yasuhiro; NOJI, Ryohei
- 1A03 Influence of adding carbon nanotubes on photoelectric properties of dye-doped titania gel
(Shinshu Univ.) NISHIKIORI, Hiromasa; OHTA, Takuma; UESUGI, Yohei; TANAKA, Nobuaki; ENDO, Morinobu; , FUJII, Tsuneo
- 1A04 Effect of ionic liquid electrolyte on electron injection dynamics in dye-sensitized solar cells
(AIST) FURUBE, Akihiro; MURATA, Shigeo; MAHANTA, Subrata; KATOH, Ryuzi; MATSUMOTO, Hajime
- 1A05 Effect of dye-oxide interface on charge transfer of dye-sensitized nano-crystalline oxide semiconductors for photocatalysts
(Tokyo Tech, National Tsing Hua Univ.) MAITANI, Masato; TANAKA, Keita; ZHAN, Conghong; HUANG, Ching-Chun; HU, Chi-Chang; MOCHIZUKI, Dai; WADA, Yuji
- 1A06 Electron transfer mechanism for dye sensitization: Electronic structure at interface between dye and silver halides
(FUJIFILM, retired,) TANI, Tadaaki
- 1A07 Exciton generation processes and multiexciton interactions of CdTe nanocrystals
(Kwansei Gakuin Univ.) KOBAYASHI, Yoichi; TAMAI, Naoto
- 1A08 Photon antibunching behavior of single quantum dots-metal nanostructure system II
(Kwansei Gakuin Univ., Tohoku Univ., Kyoto Inst.of Tech.) MASUO, Sadahiro; NAIKI, Hiroyuki; TANAKA, Teruhisa; UEDAO, Toshihisa; MACHIDA, Shinjiro; ITAYA, Akira
- 1A09 Femtosecond laser photolysis study of gold nanoparticles in solution
(Univ. Tokushima, AIST) HASHIMOTO, Shuichi; WERNER, Daniel; FURUBE, Akihiro

14:00-18:00

- 1A10 Nanomaterial assembly formation induced by laser heating of a single gold nanoparticle/gold nanoparticle thin film
(NAIST, National Chiao Tung Univ., National Chuo Univ.) UWADA, Takayuki; HSU, Tzu-Wei; MASUHARA, Hiroshi; FUJII, Sho; HAGA, Masa-aki
- 1A11 Photo-induced electron and energy transfer in plasmonic metal nano-gaps
(Hokkaido Univ., NIMS-MANA) IKEDA, Katsuyoshi; UOSAKI, Kohei
- 1A12 Optical trapping and pattern formation of polymer micro-gels by resonant plasmon excitation
(Hokkaido Univ., Osaka Univ., Osaka Pref. Univ., Seikei Univ.) TSUBOI, Yasuyuki; TOSHIMITSU, Mariko, SHOJI, Tatsuya; KITAMURA, Noboru; TAKASE, Mai; MURAKOSHI, Kei; IWAI, Kaoru; MATSUMURA, Yuriko; YAMAUCHI, Hiroaki; ITO, Syoji; MIYASAKA, Hiroshi; MIZUMOTO, Yoshihiko; ISHIHARA, Hajime
- 1A13 Evaluation of nanoscale heterogeneous nature in polymer thin film by high spatio-temporal imaging of single guest molecules
(Osaka Univ.) ITO, Syoji; MAEDA, Kentaro; TAKEI, Satoshi; MIYASAKA, Hiroshi
- 1A14 Interpretation of electron transfer reactions with two-dimensional free energy surfaces
(AIST) MURATA, Shigeo; FURUBE, Akihiro; TACHIYA, Masanori
- 1A15 Photoinduced electron transfer of triphenylamine-naphthalldiimide dyads linked by twisted phenylene oligomer: generation of long-lived charge separated state and mechanism
(Osaka City Univ., Toyama Univ., Kyoto Inst. of Tech., Tohoku Univ.) OKADA, Keiji

- HORIKOSHI, Takafumi; NAKATSUKA, Shoichi; SUZUKI, Shuichi; SUGIMURA, Ryoji; KOZAKI, Masatoshi; KIMOTO, Kenshi; NOZAKI, Koichi, MATSUSHITA, Hironori; IKEDA, Noriaki; AKIYAMA, Kimio
- 1A16 8-Bond dissociation in highly excited triplet states of aromatic carbonyl compounds studied by stepwise bicolor laser flash photolysis
(Gunma Univ., Osaka Univ.) YAMAJI, Minoru; CAI, Xichen; SAKAMOTO, Masanori; FUJITSUKA, Mamoru; MAJIMA, Tetsuro
- 1A17 Superexchange mediated energy transfer in zinc(II) porphyrin - free base porphyrin dimers: comparison of m- and p-bis(phenylethynyl) phenylene linked dimers
(Tokyo Metropolitan Univ.) ASANO, Motoko; KITABAYASHI, Masato; KAGOTA, Daichi; KUSAMA, Kazuki; YAMASHITA, Ken-ichi; SUGIURA, Kenichi
- 1A18 Synthesis and photophysical properties of pyridylene-bridged porphyrin arrays (Kyoto Univ., JST-PRESTO, Nagoya Univ.) ARATANI, Naoki; SONG, Jianxin; ANABUKI, Shoma; SHINOKUBO, Hiroshi; OSUKA, Atsuhiro
- 1A19 Supramolecular control of ultrafast back electron transfer reactions by donor-linked 4,4'-bipyridinium derivatives for molecular photonics
(Kitakyushu College of Technology, Kyushu Univ.) NAGAMURA, Toshihiko; ONO, Tomonori; SOTA, Yasuhiro; KAWASAKI, Kaoru; TANAKA, Keiji
- 1A20 Photo-Claisen rearrangement triggered by electronic excitation using ultra-violet 8-fs laser pulses and thermal-Claisen rearrangement triggered by vibrational excitation using visible 5-fs laser pulses
(Hiroshima Univ., JST-PRESTO, Univ. of Electro-Communications) IWAKURA, Izumi; KOBAYASHI, Takayoshi
- 1A21 Photo and thermal isomerization reaction of ionic liquids with phenylazo functional group
(Tokyo Tech) KAWAMORI, Daiki; MONJI, Tomoo; AKAI, Nobuyuki; KAWAI, Akio; SHIBUYA, Kazuhiko

[Room B]

9:40-12:40

- 1B01(IS) Synthesis of photoswitchable polymer dot and its application
(Stanford Univ., JST-PRESTO) OSAKADA, Yasuko; HANSON, Lindsey; CUI, Bianxiao
- 1B02(IS) The correlation between singlet annihilation and spectral diffusion in singlet annihilation studies of poly(3-hexylthiophene) thin films
(AIST, Nihon Univ.) COOK, Steffan; FURUBE, Akihiro; KATOH, Ryuzi
- 1B03(IS) Photo-controlled/living radical polymerization using a nitroxide mediator
(Toyohashi Univ. of Technology) YOSHIDA, Eri
- 1B04(IS) Study of charge transport properties and exciton dynamics in Diketopyrrolepyrrole based thin films
(Institute of Materials Research and Engineering, AIST, Nihon Univ.) WILLIAMS, Evan; CHELLAPAN, Vijila; SINGH, Samarendra; GORELIK, Sergey; SONAR Prashant; HOBLEY, Sandhya; FURUBE, Akihiro; KATOH, Ryuzi
- 1B05(IS) Bioinspired hydrogen evolution and molecular transformation catalyzed by vitamin B₁₂-TiO₂
(Kyushu Univ.) SHIMAKOSHI, Hisashi; HISAEDA, Yoshio
- 1B06(IS) Mapping glucose metabolism during adipogenesis from human mesenchymal stem cells using Raman imaging
(Institute of Materials Research and Engineering, Institute of Medical Biology, National Univ. of Singapore) GOMATHY, Sandhya; STYLIANOU, Con; PHANG, InYee; COOL, Simon; NURCOMBE, Victor; NAVARRO Francisco Ample; LEAR, Martin J; GGORELIK Sergey; HOBLEY, Jonathan
- 1B07(IS) Photo-oxidation of human serum albumin by the singlet excited state of water-soluble P(V)porphyrin
(Shizuoka Univ., Hamamatsu Univ. School of Medicine, Univ. of Tsukuba, The Univ. of Tokyo)

HIRAKAWA, Kazutaka; YAMAGUCHI, Hiroki; UMEMOTO, Hironobu; OKAZAKI, Shigetoshi; NISHIMURA, Yoshinobu; ARAI, Tatsuo; SEGAWA, Hiroshi

1B08(IS) Enhanced emission of amphiphilic fluorescent dyes in water and in the solid state
(Kyoto Univ.) HIROSE, Takashi; HIGASHIGUCHI, Kenji; MATSUDA, Kenji

1B09(IS) Photochemistry of nitro-aromatic species
(Kanazawa Univ.) FUKUYOSHI, Shuichi; UDAGAWA, Chikako; WATANABE, Yurie; YAMAZAKI, Toshinori; NAKAGAKI, Ryoichi

14:00-18:00

1B10 Cascade light-harvesting properties of rhodamine-cored multichromophoric dendrimers
(Shizuoka Univ.) TAKAHASHI, Masaki; YAMAMOTO, Ayato; NUMATA, Yuki; SENGOKU, Tetsuya; YODA, Hidemi

1B11 Generation and reactivities of triplet (aryl)(1,4-diphenyl-1*H*-1,2,3-triazol-5-yl)carbenes
(Community-Univ. Research Cooperation Center, Mie Univ., Aichi Inst. of Tech., Nagoya Industrial Science Research Institute) HIRAI, Katsuyuki; YAMAGUCHI, Masao; KITAGAWA, Toshikazu; TOMIOKA, Hideo

1B12 C···O-Type intermolecular hydrogen bonds in formyl-substituted diphenylhexatriene, a [2+2] photoreactive organic solid: Crystal structure and spectroscopic evidence
(AIST) SONODA, Yoriko; GOTO, Midori; IKEDA, Takuji; SHIMOI, Yukihiro; HAYASHI, Shigenobu; YAMAWAKI, Hiroshi; KANESATO, Masatoshi

1B13 Photo-crosslinking of DNA by using photodimerization of stilbazole
(Nagoya Univ.) KASHIDA, Hiromu; HAYASHI, Takamitsu; DOI, Tetsuya; ASANUMA, Hiroyuki

1B14 Preparation and properties of light-harvesting antenna with porphyrine cascade
(Osaka City Univ., Toyota Central R&D Labs., Inc., National Institute for Materials Science) KOZAKI, Masatoshi; UETOMO, Atsuhiko; SUZUKI, Shuichi; YAMANAKA, Ken-ichi; ITO, Osamu; OKADA, Keiji

1B15 Substituent effect on the reactivity of triplet excited state of azo compounds
(Hiroshima Univ.) TAMURA, Hiroshi; WATANABE, Shinji; ABE, Manabu

1B16 Direct photocatalytic oxygenation of benzene to phenol with quinolinium ion
(Osaka Univ., ALCA, JST) OHKUBO, Kei; KOBAYASHI, Takaki; FUKUZUMI, Shunichi

1B17 Enhanced detection of elliptically polarization change appeared in circular dichroism
(Tohoku Univ.) ARAKI, Yasuyuki; MURAKAMI, Makoto; HAMADA, Yoshiki; SAKAMOTO, Seiji; WADA, Takehiko

1B18 Photochemical properties of perylenediimide derivatives in a hydrophobic cavity created within DNA
(Univ. of Hyogo) TAKADA, Tadao; OTSUKA, Yumiko; TSUKAMOTO, Suguru; NAKAMURA, Mitsunobu; YAMANA, Kazushige

1B19 Study of silyl-photosensitizer for photodynamic therapy
(Gunma Univ., Akita Pref. Univ., Tohoku Univ.) HORIUCHI, Hiroaki; MASHIO, Hiroyuki; FUKUDA, Kana; HOSAKA, Masahiro; ISHIDA, Shintaro; KYUSHIN, Soichiro; TAKEUCHI, Toshiyuki; OKUTSU, Testuo, HIRATSUKA, Hiroshi

1B20 Reaction mechanism of Cypridina bio- and chemiluminescence: analysis of the efficient chemiexcitation process
(UEC Tokyo) HIRANO, Takashi; OHBA, Hiroshi; ISHII, Yuki; MAKI, Shojiro; NIWA, Haruki

1B21 Development of cholesterol analogs with the absorption and fluorescence in the visible light region and their emission properties in living cells
(Gunma Univ.) YOSHIHARA, Toshitada; OIKAWA, Ryusuke; MARUTA, Saki; MAESHIRO, Akine; TOBITA, Seiji

[Room C]

9:40-12:40

- 1C01 Highly efficient green organic light-emitting diodes containing luminescent three-coordinate copper(I) complexes (Canon, RIKEN) IGAWA, Satoshi; HASHIMOTO, Masashi; YASHIMA, Masataka; KAWATA, Isao; HOSHINO, Mikio; OSAWA, Masahisa
- 1C02 Electroluminescence and orientation characteristics of phosphorescent linear-shaped Pt(II) complexes (CFC, Kyushu Univ., BEANS Project) TANEDA, Masatsugu; YASUDA, Takuma; ADACHI, Chihaya
- 1C03 Surface modification of textiles using environmentally-benign photochemical process (AIST) OUCHI, Akihiko
- 1C04 Theoretical study on designability of reactions and electronic properties of graphitic carbon nitride by atom doping (Kumamoto Univ.) SUGIMOTO, Manabu
- 1C05 Photoinduced surface relief grating formation using mixed amorphous films of different amorphous molecular materials (Muroran Inst. of Tech.) NAKANO, Hideyuki; YOSHITAKE, Masashi
- 1C06 Reversible photocontrol of depolymerization-polymerization of microtubules by azobenzene photochromism (Hokkaido Univ., JST-PRESTO) FUKAMINATO, Tsuyoshi; KAMEI, Takashi; TAMAOKI, Nobuyuki
- 1C07 Molecular design of novel terpyridyl Ru(II) sensitizers toward improvement of near-IR sensitivity of dye-sensitized solar cells (The Univ. of Tokyo) KINOSHITA, Takumi; DY, Joaane Ting; FUJISAWA, Jun-ichi; NAKAZAKI, Jotaro; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi
- 1C08 Synthesis of new-type D- π -A fluorescent dyes with pyridine ring as electron-withdrawing anchoring group and their photovoltaic performances of dye-sensitized solar cells (Hiroshima Univ.) OOYAMA, Yousuke; INOUE, Shogo; NAGANO, Tomoya; OHSHITA, Joji; KOMAGUCHI, Kenji; IMAE, Ichiro; HARIMA, Yutaka
- 1C09 Blend morphology and photovoltaic performance of donor/acceptor polymer blend solar cells (Kyoto Univ., JST-PRESTO, Sumitomo Chemical Co., Ltd.) BENTEN, Hiroaki; MORI, Daisuke; OHKITA, Hideo; ITO, Shinzaburo; MIYAKE, Kunihiro

14:00-18:00

- 1C10 Mixtures of liquid crystalline phthalocyanine / PCBM for the bulkheterojunction thin film solar cells (AIST-Kansai, Ryukoku Univ., Osaka Univ.) SHIMIZU, Yo; MIYAMOTO, Koji; HORI, Tetsuro; MIYAKE, Yasuo; MONOBE, Hirosato; YOSHIDA, Hiroyuki; FUJII, Akihiko; OZAKI, Masanori
- 1C11 Photochemical reaction and morphology change of azobenzene/niobate nanocomposites (Tokyo Metropolitan Univ.) NABETANI, Yu; HAYASAKA, Yuika; MATSUKURA, Shoichi; TAKAMURA, Hazuki; NAKAMURA, Yuka; SHIMADA, Tetsuya; TACHIBANA, Hiroshi; INOUE, Haruo
- 1C12 A water-soluble single-walled carbon nanotube as an electron acceptor (AIST) SHIOYAMA, Hiroshi
- 1C13 Plasmon-assisted water oxidation using a gold nanostructured TiO₂ electrode (Hokkaido Univ., JST-PRESTO, Hokkaido Univ., Tokyo Metropolitan Univ.) NISHIJIMA, Yoshiaki; UENO, Kosei; KOTAKE, Yuki; MURAKOSHI, Kei; INOUE, Haruo; MISAWA, Hiroaki
- 1C14 Non-invasive analysis of cell wall dynamics during yeast cell division in using SERS (AIST, HRI, Yokogawa R&D) ITOH, Tamitake; MANIKANTAN, Kiran; ABE, Hiroko; FUJITA, Yasuko; TOMIMOTO, Kazuya; VASUDEVANPILLAI, Biju; IGA, Mitsuhiro; ISHIKAWA, Mitsuhiro
- 1C15 A laser trapping and spectroscopy study on photoinduced water droplets formation in air

- (Hokkaido Univ., JST-PRESTO) ISHIZAKA, Shoji; SAITO, Shota; KITAMURA, Noboru
- 1C16 Fabrication of porphyrins nanoparticle-coated membranes for efficient photosensitized generation of singlet oxygen under atmospheric conditions
(Nagaoka Univ. of Tech.) TAKAHASHI, Yukiko; ITOU, Daiki; SAITO, Hironobu; NOSAKA, Yoshio
- 1C17 Visible-light-induced reduction of CO₂ to formic acid using semiconductor-complex hybrid photocatalysts
(Toyota Central R&D Labs., Inc.) SUZUKI, Tomiko; SATO, Shunsuke; MORIKAWA, Takeshi; TANAKA, Hiromitsu; SAEKI, Shu; IWAKI, Masayo; KAJINO, Tsutomu; MOTOHIRO, Tomoyoshi
- 1C18 Selective CO₂ reduction conjugated with H₂O oxidation utilizing semiconductor/ complex hybrid photocatalysts
(Toyota Central R&D Labs., Inc.) SATO, Shunsuke; ARAI, Takeo; MORIKAWA, Takeshi; UEMURA, Keiko; SUZUKI, M.,Tomiko; TANAKA, Hiromitsu; KAJINO, Tsutomu
- 1C19 Photo-induced electron transfer of gold cluster coordinated by porphyrin in face-coordinated fashion
(Tsukuba Univ.) SAKAMOTO, Masanori; TANAKA, Daisuke; TERANISHI, Toshiharu
- 1C20 Study on QSAR of glycosylated porphyrin derivatives for photocytotoxicity
(NAIST, Univ. of Yamanashi) HIROHARA, Shiho; YUASA, Junpei; KAWAI, Tsuyoshi; OKA, Chio; KAWAICHI, Masashi; OBATA, Makoto; TANIHARA, Masao
- 1C21 Application of step- π -conjugated polymers for photoenergy conversion devices
(Kansai Univ.) AOTA, Hiroyuki; MATSUMOTO, Akira

[Room A]**8:40-12:40**

- 2A01 Direct measurement of excess electron transfer in DNA
(Osaka Univ.) PARK, Man Jae; FUJITSUKA, Mamoru; KAWAI, Kiyohiko; MAJIMA, Tetsuro
- 2A02 pH-induced conformational dynamics of i-motif DNA
(Osaka Univ.) CHOI, Jungkweon; KIM, Sooyeon; TACHIKAWA, Takashi; FUJITSUKA, Mamoru; MAJIMA, Tetsuro
- 2A03 Hydrogen-bonding interactions and proton transfer in 2-(2'-hydroxyphenyl)benzimidazole crystal
(Kyushu Univ., Hiroshima Univ., Nagoya Univ., Tokyo Univ. Agri. Tech.) KONOSHIMA, Hayato; NAGAO, Saori; KIYOTA, Ittsui; AMIMOTO, Kiichi; YAMAMOTO, Norifumi; SEKINE, Masahiko; NAKATA, Munetaka; SEKIYA, Hiroshi
- 2A04 Control of emission from single molecules using a two-dimensional photonic crystal slab with low background emission
(NICT) KAJI, Takahiro; YAMADA, Toshiki; INOUE, Shin-ichiro; UEDA, Rieko; OTOMO, Akira
- 2A05 Fluorescence properties of perylene dye nanoparticles prepared by laser ablation in water
(Ehime Univ.) ASAHI, Tsuyoshi; SASAKI, Shino
- 2A06 Photochemistry in super-resolution fluorescence microscopy
(Yamagata Univ., JST-PRESTO, K. U. Leuven) HOTTA, Jun-ichi; MIZUNO, Hideaki; FRON, Eduard; DEDECKER, Peter; HOFKENS, Johan
- 2A07(IS) An insight into the charge transfer and proton transfer processes in organic and inorganic systems- Extension from steady state to time resolved studies
(Calcutta Univ., India, Ludwig Maximilians Univ., Germany) MAHANTA, Subrata SINGH, Rupashree Balia; GUCHHAIT, Nikhil; RIEDLE, Eberhard
- 2A08(IS) Charge transport and recombination in novel donor/acceptor type polymer / PCBM bulk heterojunction solar cells
(Univ. of Wollongong) MOZER, Attila J; CLARKE, Tracey M
- 2A09(IS) Conformation and photophysics of single chains of conjugated polymers: Why are they blinking?
(Tokyo Tech) YACHA, Martin; KOBAYASHI, Hiroyuki; HABUCHI, Satoshi; ONDA, Suguru
- 2A10(IS) Developing laser trapping crystallization methods of proteins
(NCTU, NAIST) MIURA, Atsushi; TU, Jing-Ru; HUANG, Chong-Wei; HUANG, Yan-Hua; TSENG, Ching-Shie; MASUHARA, Hiroshi
- 2A11(IS) Ultrafast dynamics and single particle spectroscopy of Au-CdSe nanorods
(Kwansei Gakuin Univ., Univ. of Tsukuba) SAGARZAZU, Gabriel; SARUYAMA, Masaki; TERANISHI, Toshiharu; MASUO, Sadahiro; TAMAI, Naoto
- 2A12(IS) Fullerene-shelled quantum dots supramolecular nanoparticles for bioimaging and light harvesting
(AIST, Kwansei Gakuin Univ.) SHIBU, Edakkattuparambil S.; WANG, Lie; TAMAI, Naoto; ISHIKAWA, Mitsuru; BIJU, Vasudevanpillai

[Room B]**8:40-12:40**

- 2B01 Diastereodifferentiating photocyclodimerization of 2-anthracenecarboxylic acid tethered to cyclic tetrasaccharide scaffold
(Osaka Univ., Hayashibara Biochemical Laboratories, Inc.) FUKUHARA, Gaku; NAKAMURA, Tomohiro; YANG, Cheng; MORI, Tadashi; HIRAMATSU, Hiroyuki; DAN-OH, Yasufumi; TSUJIMOTO, Kazuo; INOUE, Yoshihisa
- 2B02 Highly selective enantiodifferentiating photoreaction in supercritical carbon dioxide

- (NAIST, Osaka Univ.) NISHIYAMA, Yasuhiro; INOUE, Yoshihisa; KAKIUCHI, Kiyomi
- 2B03 Selective photochemical decarboxylation of free carboxylic acids using microflow system
(Ritsumeikan Univ., Univ. Fukui, Iwate Medical Univ.) ITOU, Tatsuya; OKADA, Yutaka;
YOSHIMI, Yasuharu; NISHIKAWA, Keisuke; HATANAKA, Minoru
- 2B04 Fluorescent photochromic diarylethenes I. Aryl-substituted bisbenzothiophenyl-
perfluorocyclopentenes
(Rikkyo Univ., Osaka Univ.) IRIE, Masahiro; UNO, Kakishi; NIIKURA, Hiroyuki; MORIMOTO,
Masakazu; ISHIBASHI, Yukihide; MIYASAKA, Hiroshi
- 2B05 Photochromism of bisthiazolylindenone derivatives
(Yokohama National Univ.) YOKOYAMA, Yasushi; OGAWA, Hatsune; MORINAKA, Kaori;
UBUKATA, Takashi
- 2B06 Photomechanical function of crystals of various salicylideneanilines
(Ehime Univ.) KOSHIMA, Hideko; TAKECHI, Kyoko; MATSUDOMI, Masafumi; NAKAMURA,
Jun
- 2B07 Crystal growth induced by photochemical reaction
(Gunma Univ., JST-PRESTO) OKUTSU, Tetsuo; TAKASE, Yuuta; ITOGA, Takeo; IHIRA,
Hiroshi; HORIUCHI, Hiroaki
- 2B08 Suppression of thermal isomerization of *cis*-azobenzene by *ortho*-modification
(Nagoya Univ.) NISHIOKA, Hidenori; LIANG, Xingguo; ASANUMA, Hiroyuki
- 2B09 Synthesis and trans/cis isomerization behavior of conjugated oligomers containing
azoimidazole unit
(Nagoya Inst. of Tech.) TAKAGI, Koji; ISOMURA, Takato; ITO, Yohei; SAKAIDA, Masanori
- 2B10 Aggregation-induced red emission based on donor-acceptor molecules in polar water media
(Kurume National College of Technology) IKEDA, Kei; ISHI-I, Tsutomu
- 2B11 Photoreduction of synthetic chlorophyll derivatives
(Ritsumeikan Univ.) TAMIAKI, Hitoshi; XU, Meiyun; MACHIDA, Shinnosuke
- 2B12 Mechanistic investigation of methyl-substituent effect on [3+2]-photocycloaddition reaction of
1,4-dicyanonaphthalene derivatives with phenylacetylene.
(Shimane Univ.) SHIRATORI, Hideo; MORIWAKI, Tadasuke; KUBO, Yasuo

[Room C]

8:40-12:40

- 2C01 Photofunctional layer-by-layer architecture of inorganic nanosheets with a confined magnetism
(Keio Univ.) YAMAMOTO, Takashi; NAMBA, Hiroaki; EINAGA, Yasuaki
- 2C02 Improvement in efficiency of water-oxidation photocatalytic reaction using acridone-bridged
periodic mesoporous organosilica as a light-harvesting support (Toyota CRDL,
JST-CREST) TAKEDA, Hiroyuki; OHASHI, Masataka; GOTO, Yasutomo; TANI, Takao;
INAGAKI, Shinji
- 2C03 Photochemical properties of mesoporous organosilica (PMO) and metal complex hybrids
(Tokyo Tech, Toyota Central R&D Lab., AIST) YUI, Tatsuto; UEDA, Yutaro; SEKIZAWA, Keita;
TAKEDA, Hiroyuki; KOIKE, Kazuhide; INAGAKI, Shinji; ISHITANI, Osamu
- 2C04 Efficient energy transfer in unique porphyrin assembly on the clay surfaces
(Tokyo Metropolitan Univ., JST-PRESTO) ISHIDA, Yohei; SHIMADA, Tetsuya; MASUI, Dai;
TACHIBANA, Hiroshi; INOUE, Haruo; TAKAGI, Shinsuke
- 2C05 Fluorometric cyanide anion detection with a spiropyran derivative
(Osaka Univ.) SHIRAISHI, Yasuhiro; SUMIYA, Shigehiro; HIRAI, Takayuki
- 2C06 Emission quenching of ZnS-AgInS₂ solid solution nanoparticles and its use for material sensing
(Osaka Univ.) UEMATSU, Taro; DOKO, Akihisa; KAJI, Yusuke; TORIMOTO, Tsukasa;
KUWABATA, Susumu
- 2C07 Locally induced two-photon photochemical reactions using plasmonically enhanced optical
near-field
(Hokkaido Univ., JST-PRESTO) UENO, Kosei; ONISHI, Ko; ITOH, Hiroko; MISAWA, Hiroaki

- 2C08 Electrochemical fabrication of gold nanoframe arrays and their photochemical properties
(Nagoya Univ., Hokkaido Univ.) OKAZAKI, Ken-ichi ; YASUI, Jun-ichi; OHKI, Makoto;
MURAZAWA, Naoki; UENO, Kosei; MISAWA, Hiroaki; TORIMOTO, Tsukasa
- 2C09 Metal deposition selectivity on photochromic diarylethene crystal surfaces
(Osaka Kyoiku Univ.) TSUJIOKA, Tsuyoshi;
- 2C10 Crystal-to-liquid phase transition utilizing photoisomerization of macrocyclic azobenzene
(AIST) NORIKANE, Yasuo; SAKAKI, Kouji; NAKAMURA, Yumiko; AZUMI, Reiko; HIRAI,
Yuki; YOSHIDA, Masaru
- 2C11 Development of ionic liquid gel having thermochromic emission property (Univ. Miyazaki,
Bridgestone) KUBOTA, Natsumi; HIROSE, Shogo; SHIRAGAMI, Tsutomu; MATSUMOTO,
Jin; OOTSUKI, Masashi; YASUDA, Masahide
- 2C12 Observation of shape change of silver nanoparticles in citrate solution
(Kyushu Univ., Tokushima Univ.) TSUJI, Takeshi; TSUJI, Masaharu; HASHIMOTO, Shuichi

[Room A]

10:40-12:40

- 3A01 Three-dimensional structural analysis of single polymer chain by super-resolution fluorescence microscopy
(Kyoto Univ.) AOKI, Hiroyuki; MORI, Kazuki;
- 3A02 Nonresonant two-photon absorption spectra of diphenyl-polyynes studied by optical probing photoacoustic spectroscopy
(Aoyama Gakuin Univ., Tokyo Tech) SUZUKI, Tadashi; OKABE, Kiyotaka; ISOZAKI, Tasuku
- 3A03 Ratiometric optical thermometry based on temperature-dependent emission spectral changes of water-soluble europium complexes
(NAIST) YUASA, Junpei; MUKAI, Ryusuke; HASEGAWA, Yasuchika; KAWAI, Tsuyoshi
- 3A04 Standard material for fluorescence quantum yield measurements: pyranine and diphenylanthracene
(AIST, Hamamatsu photonics K.K, Shizuoka Univ., Nihon Univ.) KANEHARA, Yuuki; SUZUKI, Kengo; OZAWA, Ryota; KOBAYASHI, Kenji; FURUBE, Akihiro; KATOH, Ryuzi
- 3A05 Photoresponse of the two-dimensional organic superconductor β -(BEDT-TTF) **213**
(Hokkaido Univ., Ehime Univ.) IIMORI, Toshifumi; SABETH, Farzana; NAITO, Toshio; OHTA, Nobuhiro
- 3A06 Characterization of interfacial water at TiO₂ photocatalyst studied by sum frequency generation spectroscopy
(NIMS) NOGUCHI, Hidenori; ITO, Mikio; UOSAKI, Kohei

[Room B]

10:40-12:40

- 3B01 Photocatalytic hydrogen production from ammonia on Pt/TiO₂ prepared using microwave irradiation
(Osaka Univ.) FUKU, Kojiro; KAMEGAWA, Takashi; MORI, Kohsuke; YAMASHITA, Hiromi
- 3B02 Preparation and photocurrent observation of titanium oxide nanofilm fabricated by organic-inorganic hybrid Langmuir-Blodgett method
(Shinshu Univ.,) USAMI, Hisanao; TORII, Yuki
- 3B03 Theoretical study of the surface complexes between TiO₂ nanoclusters and TCNX compounds
(Univ. of Tokyo) JONO, Ryota; FUJISAWA, Jun-ichi; SEGAWA, Hiroshi; YAMASHITA, Koichi
- 3B04 Organic photovoltaic cells using the TiO₂-TCNX surface complexes: coadsorbent and cation effects
(The Univ. of Tokyo) FUJISAWA, Jun-ichi; HONDA, Norikazu; NAGATA, Morio; NAKAZAKI, Jotaro; UCHIDA, Satoshi; KUBO, Takaya; SEGAWA, Hiroshi
- 3B05 Photocatalytic CO₂ reduction systems using ring-shaped multi-nuclear rhenium(I) complexes having multi-electron accumulation ability and photosensitization activity
(Tokyo Tech, AIST) MORIMOTO, Tatsuki; TANAKA, Marina; NAKAGAWA, Yuki; FUNADA, Yusuke; KOIKE, Kazuhide; ISHITANI, Osamu
- 3B06 Photochemical hydrogen generation using new cationic iridium complexes as sensitizers
(Univ. of Tokyo) TAKIZAWA, Shin-ya; MURATA, Shigeru

[Room C]

10:40-12:40

- 3C01(IS) Copper ion sensing based on the fluorescence lifetime of enhanced yellow fluorescent protein
(Hokkaido Univ.) NAKABAYASHI, Takakazu; SUMIKAWA, Ryoya; SUN, Fan; KINJO, Masataka; OHTA, Nobuhiro
- 3C02(IS) Fluorescent nucleic acids controlled by energy transfer and their application to RNA imaging

- (RIKEN) OKAMOTO, Akimitsu; IKEDA, Shuji; KUBOTA, Takeshi; WANG, Dan O
- 3C03(IS) Synthesis, characterization and enhanced cytotoxic activity against human epithelial carcinoma (HeLa) cells of Ag @ Fe-doped TiO₂ core-shell composite nanoclusters
(Kagoshima Univ.) ABDULLA-AL-MAMUN, Md.; KUSUMOTO, Yoshihumi; ISLAM, Md. Shariful
- 3C04(IS) The kinetic analysis of anthracene-urea compounds in the excited state
(Univ. of Tsukuba) NISHIMURA, Yoshinobu; IKEDU, Satomi; ARAI, Tatsuo
- 3C05(IS) Optical chirality of molecular aggregates observed with circularly polarized luminescence microscope
(NAIST) KAWAI, Tsuyoshi; TSUMATORI, Hiroyuki; TAKAGI, Jyunichi; YUASA, Junpei
- 3C06(IS) Nanoscale visualization of exciton dynamics in single conjugated polymer molecules
(Tokyo Tech) HABUCHI, Satoshi; VACHA, Martin