

## Thursday, September 13

### 13:20-15:00

- 2P001 Primary photochemical process in dye-sensitized solar cells: Aggregate formation and charge separation processes in D149 dye  
(Nihon Univ.)NAMEKAWA, Akihiro; NAKAJIMA, Shohei; IMAMURA, Takeshi; KATOH, Ryuzi
- 2P002 Photophysical processes of perylene excimer in polymer films  
(Nihon Univ.)KAZAMA, Hiroyuki; KAWAI, Masashi; FUSHIMI, Yuta; ISHI, Yusuke; KONDO, Toshihiro; KATOH, Ryuzi
- 2P003 Optical Response of Colloidal Au/PbS Hybrid Nanoparticles  
(Univ. of Toronto, Nara Institute of Science and Technology (NAIST), Kwansei Gakuin Univ.)KOBAYASHI, Yoichi; NONOGUCHI, Yoshiyuki; WANG, Li; KAWAI, Tsuyoshi; TAMAI, Naoto
- 2P004 Laser processing of nano-porous polymer film based on Au nanoparticle and micro-phase separation of block co-polymer  
(Hokkaido Univ., Kyoto Inst. Tech., Tokushima Univ.)MURAOKA, Keita; SHOJI, Tatsuya; KITAMURA, Noboru; YAMADA, Kazushi; HASHIMOTO, Shuichi; TSUBOI, Yasuyuki
- 2P005 Preparation and photophysical properties of periodic mesoporous organosilica nanoparticle by laser ablation in water  
(Ehime Univ., Toyota Central R&D Labs., Inc.)ISHIBASHI, Yukihide; GOTO, Yasutomo; TANI, Takao; YAMANAKA, Ken-ichi; INAGAKI, Shinji; ASAHI, Tsuyoshi
- 2P006 Two-Photon Absorption properties of organic molecules intercalated into clay minerals  
(Yamaguchi Univ.)SUZUKI, Yasutaka; NISHIOKA, Yukihiro; TOMINAGA, Makoto; KAWAMATA, Jun
- 2P007  $\alpha$ -Bond dissociation in highly excited triplet states of aromatic carbonyl compounds studied by stepwise two-color laser flash photolysis  
(Gunma Univ., Osaka Univ.)YAMAJI, Minoru; CAI, Xichen; SAKAMOTO, Masanori; FUJITUKA, Mamoru; MAJIMA, Testuro
- 2P008 Fluorescence detection of excited radical cation upon one-photon excitation of charge-transfer complexes using "fluorescent radical cation probes"  
(Kyoto Institute of Technology)ICHINOCE, Nobuyuki
- 2P009 Triplet Lifetime and Spin Orbit Coupling in the Lowest Excited Triplet State of Metal Complexes  
(IMRAM, Tohoku Univ.)YAMAUCHI, Seigo; TANABE, Mana

- 2P010 Inhibition of spontaneous emission from single molecules in a two-dimensional photonic band gap  
(NICT, Osaka Univ.)KAJI, Takahiro; YAMADA, Toshiki; ITO, Syoji; MIYASAKA, Hiroshi; UEDA, Rieko; INOUE, Shin-ichiro; OTOMO, Akira
- 2P011 Photoinduced Electron Transfer in Hydrogen Evolution Photocatalyst Composed of Periodic Mesoporous Organosilica  
(Toyota Central R&D Labs., Inc, JST-CREST, Toyota Physical & Chemical Research Institute, Toyota Central R&D Labs., Inc)YAMANAKA, Ken-ichi; OKADA, Tadashi; OHASHI, Masataka; MAEGAWA, Yoshifumi; TANI, Takao; INAGAKI, Shinji
- 2P012 Investigation of Interfacial Structure Change in Photocatalytic Reactions of Titanium Dioxide by Vibrational Spectroscopies  
(NIMS, Hokkaido Univ.)ITO, Mikio; KANAMARU, Kohei; NOGUCHI, Hidenori; UOSAKI, Kohei
- 2P013 Effects of chemical additives on C60 nanoparticles prepared by laser ablation in water  
(Ehime Univ.)ARINISHI, Miya; ISHIBASHI, Yukihide; ASAHI, Tsuyoshi
- 2P014 Femtosecond and Picosecond Dynamics of Fluorescent Diarylethene Derivatives.  
(Osaka Univ., JST-PRESTO, Rikkyo Univ.)KUNISHI, Tomohiro; KATAYAMA, Tetsuro; MIYASAKA, Hiroshi; UNO, Kakishi; MORIMOTO, Masakazu; IRIE, Masahiro
- 2P015 Small molecular transmittance measurement for RO films using fluorescence lifetime technique  
(AIST)FURUBE, Akihiro; MURATA, Shigeo; YANAGISHIGA, Hiroshi
- 2P016 Studied electron injection efficiency of N719/TiO<sub>2</sub> system in room temperature ionic liquid environments using femtosecond transient absorption  
(AIST, Nihon Univ.)MAHANTA, Subrata; FURUBE, Akihiro; MATSUZAKI, Hiroyuki; MURAKAMI, Takurou; MATSUMOTO, hajime; KATOH, Ryuzi
- 2P017 Relaxation of Excited State Xanthene Dyes by Radicals in Aqueous Solutions  
(Tokyo Tech.)TAKAHASHI, Hirona; IWAMA, Masaki; MIYAKE, Yusuke; AKAI, Nobuyuki; KAWAI, Akio; SHIBUYA, Kazuhiko
- 2P018 Kinetic investigations of photo-thermal tautomerization of a UV-sunscreen  
(Gunma Univ.)KIDA, Mayumi; YAMAJI, Minoru
- 2P019 Intramolecular hydrogen-atom migration of 3-chlorosalicylic acid and its photoreaction mechanism in low-temperature argon matrices  
(TUAT)MIYAGAWA, Masaya; IIZUMI, Shota; AKAI, Nobuyuki; NAKATA, Munetaka
- 2P020 Effects of Exchange Interaction on the Quenching Processes of Singlet Oxygen O<sub>2</sub> (<sup>1</sup>Δ<sub>g</sub>) by Radical  
(Tokyo Tech.)SUGIYAMA, Atsushi; SCHAMEL, Debora; MONJI, Tomoo;

- HIDEMORI, Takehiro; AKAI, Nobuyuki; KAWAI, Akio; SHIBUYA, Kazuhiko
- 2P021 Energy transfer from diphenylacetylene to trans-stilbene in PVA film  
(Kanagawa Univ.)KASHIWABARA, Yuta; HIRATA, Yoshinori
- 2P022 In-situ ellipsometric imaging of passive titanium surface  
(Hokkaido Univ.)KURAUCHI, Kazunori; NAKANISHI, Takayuki; FUSHIMI, Koji;  
HASEGAWA, Yasuchika; OHTSUKA, Toshiaki
- 2P023 Photon Antibunching Behavior of a Single Quantum Dot - Silica-Coated Metal Nanoparticles  
(Kwansei Gakuin Univ., Tohoku Univ.)UEDAO, Toshihisa; NAIKI, Hiroyuki;  
TOKUYAMA, Akinori; OIKAWA, Hidetoshi; MASUO, Sadahiro
- 2P024 Plasmon-based Optical Trapping of Polymer Microgels as Revealed by Fluorescence Microspectroscopy  
(Hokkaido Univ., Tokyo Tech., Osaka Pref Univ.)TOSHIMITSU, Mariko; SHOJI, Tatsuya;  
MATSUMURA, Yuriko; ISHIHARA, Hajime; MURAKOSHI, Kei;  
KITAMURA, Noboru; TSUBOI, Yasuyuki
- 2P025 A single-molecule study on spectral jump behavior of oligo(phenylene vinylene) derivatives  
(Tokyo Tech., Tokyo Univ. of Agriculture and Technology) KOBAYASHI, Hiroyuki;  
HABUCHI, Satoshi; TSUCHIYA, Kousuke; OGINO, Kenji; VACHA, Martin
- 2P026 Ultrafast Charge Carrier Dynamics in Photochemical Processes using Optical Pump-Terahertz Probe Spectroscopy  
(Kobe Univ.)TAPIA, Alvin Karlo; YAMAMOTO, Naoki; TOMINAGA, Keisuke
- 2P027 Development of apparatus for the measurement of circularly polarized luminescence based on confocal microscope  
(Tokyo Tech.)KATAYAMA, Kenta; MICHINOBU, Tsuyoshi; TOMITA, Ikuyoshi;  
VACHA, Martin
- 2P028 Photocatalytic microreactor bundle without any electric power source  
(Chuo Univ.)TAKEDA, Yuki
- 2P029 Preparation and characterization of organic thin films using a metalloporphyrin complex.  
(Toho Univ.)UEMURA, Shuhei; YUI, Miki; HARADA, Takunori; PAC, Chyongjin; MORIYAMA, Hiroshi
- 2P030 Evaluation of the photochemical property of porphyrin zinc complexes for the application of its S<sub>2</sub> state to photodynamic therapy.  
(Shizuoka Univ.)INOUE, Shiori; HIRAKAWA, Kazutaka
- 2P031 Photogeneration dynamics in soluble metallophthalocyanine thin films with different crystal structures.  
(Niigata Univ.)TODA, Takahiro; WAKIKAWA, Yuusuke; IKOMA, Tadaaki;  
USUI, Satoshi; MARUYAMA, Kenji

- 2P032 Long-lived photoinduced charge separation in triphenylamine-naphthalenediimide diads in organic glasses  
(Univ. of Toyama, Osaka City Univ.)KIMOTO, Kenshi; HORIKOSHI, Takafumi; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKADA, Keiji; IWAMURA, Munetaka; NOZAKI, Koichi
- 2P033 Measurement of Trace Radicals in Atmosphere by Using Stable Radical Scavengers (Yokohama National Univ.)HATAZAWA, Shota; SETO, Akira; SAKAKIBARA, Kazuhisa; SEKI, Kanekazu
- 2P034 Atmospheric photochemistry of nitrosoalkylamines  
(NIES)SETA, Takamasa; SATO, Kei; IMAMURA, Takashi
- 2P035 MOPAC-PM6 level analyses of energies, stereochemical changes and substituent effects in photoisomerization of diarylethenes  
(Emeritus Kagoshima Univ., Kagoshima Univ.)SOMEKAWA, Kenichi; HATSUSHI, Miho; SHIMO, Tetsuro
- 2P036 Synthesis of Cyanine Derivative for the Purpose of Photodynamic Therapy (Shibaura Institute of Technology, National Institute of Health Sciences)IMAI, Kohei; YAGUCHI, Ryosuke; FUKUHARA, Kiyoshi; NAKAMURA, Asao
- 2P037 Photochemical Reactions of 1-Alkylisatins with 2,3-Dimethylbut-2-ene (Aichi Institute of Technology)TATSUGI, Jiro; MIZUNO, Keiichi
- 2P038 Fluorenone dye design for selective formation of intramolecular charge transfer and excimer  
(Tokyo Tech.)SHIGETA, Masayuki; MORITA, Mifumi; KONISHI, Gen-ichi
- 2P039 Synthesis of macrocyclic compounds using photoaddition of di-2-pyrones tethered by oxyethylene units with dimethacrylates  
(Kagoshima Univ.)HISAMATSU, Katsunori; MATSUKUBO, Hideki; SHIMO, Tetsuro
- 2P040 Synthesis and Photochemical Reactivity of Novel Coumarin-based Caged Compounds (Hiroshima Univ.)SAKAMOTO, Yuya; HUANG, Bo; ABE, Manabu
- 2P041 Synthesis of pH-responsive fluorescent nucleosides containing anthracene chromophore and their application  
(Nihon Univ.)SUZUKI, Azusa; MIYAMOTO, Shigenori; YOKOYAMA, Shota; ISHIHARA, Tsutomu; SAITO, Isao; NEMOTO, Nobukatsu; SAITO, Yoshio
- 2P042 Photodecarboxylative radical generation from *N*-acyloxypthalimides sensitized by Ru(bpy)<sub>3</sub>Cl<sub>2</sub>: Application to the radical addition to imino esters  
(Osaka City Univ.)SUGIMOTO, Azusa; SUZUKI, Shuichi; KOZAKI, Masatoshi; OKADA, Keiji
- 2P043 Highly Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate Mediated by  $\beta$ -Cyclodextrin Dimers  
(Osaka Univ.)YAMAUCHI, Masahito; MATSUSHITA, Ryohei; YANG, Cheng; FUKUHARA, Gaku; NISHIJIMA, Masaki; MORI, Tadashi; INOUE, Yoshihisa

- 2P044 Synthesis and optical properties of ladder-type imidazolium cations with donor group (Nagoya Institute of Technology)KUSAFUKA, kazuma; SAKAIDA, masanori; ITO, Yohei; MATSUOKA, shin-ichi; SUZUKI, masahito; TAKAGI, koji
- 2P045 Photophysical Properties of Aromatic Lactones and Meta-photocycloadditions of the Lactones with Alkenes (Shimane Univ.)USUDA, Ryuusuke; SHIRATORI, Hideo; KUBO, Yasuo
- 2P046 Effect of Cyano Groups on Aggregate-induced Enhanced Emission of CNBE Compounds (Kyoto Univ.)NISHIO, Suguru; HIGASHIGUCHI, Kenji; MATSUDA, Kenji
- 2P047 2-Aminotryptanthrin Derivatives with 7-Substituted Coumarin as FRET-based Fluorescent Chemosensors for Metal Ions (Hirosaki Univ.)NARITA, Nobuo; HENMI, Tokito; KAWAKAMI, Jun; ITO, Shunji
- 2P048 2-Aminotryptanthrin Derivatives with Pyrene as FRET-based Fluorescent Chemosensors for Metal Ions (Hirosaki Univ.)KIKUCHI, Yoh; HARADA, Yuki; KAWAKAMI, Jun; ITO, Shunji
- 2P049 Synthesis of Perfluoroalkyl-substituted Ruthenium Complexes and Investigation on Their Self-assembling Properties (Shizuoka Univ.)TAKAHASHI, Masaki; YAMADA, Saki; SENGOKU, Tetsuya; YODA, Hidemi
- 2P050 Supramolecular Photocyclodimerization of Cinnamic Acid through its 2:2 Complexes with (*S*)-Prolinol in Solution (Osaka Univ.)AZUMAI, Hiroki; NISHIJIMA, Masaki; FUKUHARA, Gaku; YANG, Cheng; MORI, Tadashi; INOUE, Yoshihisa
- 2P051 Effect of Intramolecular Hydrogen Bonding on Photophysical Properties of 2-Naphthamides and [3+2]-Photocycloadditions of the Amides with Alkenes (Shimane Univ.)KUROKI, Kenshirou; SHIRATORI, Hideo; KUBO, Yasuo
- 2P052 Aggregation and Photoreaction Property of Diarylethene Containing Amphiphilic Groups (Kyoto Univ.)TAIRA, Genki; HIGASHIGUCHI, Kenji; HIROSE, Takashi; MATSUDA, Kenji
- 2P053 Reversible control of axial chirality of naphthamide derivatives and application to asymmetric synthesis (Chiba Univ.)SAKAMOTO, Masami; YASUIKE, Nobuo; YAGISHITA, Fumitoshi; MINO, Takashi
- 2P054 Study on caged compounds that undergo photoinduced electron transfer followed by release of carboxylic acid (Univ. of Tsukuba)MORIYAMA, Haruka; MOMOTAKE, Atsuya; ARAI, Tatsuo
- 2P055 Photoinduced Rearrangement and Dissociation Observed for Nitrobenzene Derivatives

(Kanazawa Univ. , Kyorin)WATANABE , Yurie ; HORIKAWA , Takahiro ; YAMAZAKI, Toshinori; FUKUYOSHI, Shuichi; NAKAGAKI, Ryoichi

- 2P056 Effects of hydrogen bonding and solvent effect on the photochemical behaviour of pyrrolylenes  
(Univ. of Tsukuba)KOBAYASHI, Takuya; ARAI, Tatsuo
- 2P057 Fabrication of organic thin film photoelectrodes with electrodeposited metal nanoparticles  
(Kyushu Univ.)UMINO, Hidehisa; TAKAHASHI, Yukina; YAMADA, Sunao
- 2P058 Photoinduced electron transfer in vesicles and construction of a photochemical oxygen evolution system  
(The Univ. of Tokyo)SATO, Youichi; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2P059 Enhancement of the efficiency of photoreduction of carbon dioxide sensitized by ruthenium complexes using rhenium complexes as catalysts in vesicles  
(The Univ. of Tokyo)IKUTA, Naoya; TAKIZAWA, Shin-ya; MURATA, Shigeru
- 2P060 Effect of the Amine-reactive Compounds on Peroxyoxalate Chemiluminescence  
(Shinshu Univ.)KOBAYASHI, Daigo; MARUYAMA, Takayuki; KANAZAWA , Aki; MOTOYOSHIYA, Jiro
- 2P061 Control of Peroxyoxalate Chemiluminescence by the Interaction between Nitrogen-Containing Ligands and Metal Ions  
(Shinshu Univ.)MUKAWA, Kentaro; WADA, Junya; MARUYAMA, Takayuki; MOTOYOSHIYA, Jiro
- 2P062 Fluorescence modulation of perfluoroglutaryl amide derivatives of 3- and 4-aminophthalimides based on amide-amidate interconversion  
(Okayama Univ.)OKAMOTO, Hideki; NAMBA, Misa; SATAKE, Kyosuke
- 2P063 Synthesis of Macrocyclic Polyethers by [2 + 2] Photocycloaddition Reaction of Chromone Derivatives  
(Chiba Univ.)YOSHIDA, Wataru; MINO, Takashi; SAKAMOTO, Masami
- 2P064 Enantioselective Photodimerization of Chromone-2-carboxylic esters Involving Preferential Crystallization  
(Chiba Univ.)YAGISHITA , Fumitoshi ; BABA , Nozomi ; MINO , Takashi ; SAKAMOTO, Masami
- 2P065 Fluorescence Responses of Trifluoroacetylaminophthalimide Dimers to Halide and Metal Ions  
(Okayama Univ.)OKAMOTO, Hideki; NAKAYAMA, Megumi; SATAKE, Kyosuke
- 2P066 A Synthetic Study of Hexaprismane Derivatives via Photochemical Reaction of Fluorinated [3<sub>3</sub>](1,3,5)cyclophane  
(Kyushu Univ.)ZHANG, Hua; SI SI, Aung; GOTO, Kenta; SHINMYOZU, Teruo
- 2P067 Synthesis and Properties of Diarylethene Derivative Having 3-Methylcarbazole Moiety

(Osaka kyoiku Univ.)TAKAYAMA, Yoshiyuki; MIYASAKA, Toru; HORI, Kazushige; KUBONO, Koji; TSUJIOKA, Tsuyoshi; TANI, Keita

- 2P068 Control of Axial Chirality of Quinolonomides by the Formation of Chiral Salts and Asymmetric Photoreaction Using Chiral Memory  
(Chiba Univ.)SAKAMOTO, Masami; TAKAGISHI, Naoya; MINO, Takashi; FUJITA, Tsutomu
- 2P069 Effects of Immersion Solvent on Photovoltaic Properties of Porphyrin-sensitized Solar Cells  
(Kyoto Univ.)KINJO, Yuriko; HAYASHI, Hironobu; KUROTOBI, Kei; IMAHORI, Hiroshi
- 2P070 Improvement of photocatalytic activity of graphitic carbon nitride for organic oxidation by enlargement of specific surface area  
(Kyushu Institute of Technology)CHEN, Ye; MURAKAMI Naoya; OHNO Teruhisa
- 2P071 Luminescence of Eu(III) complex with redox-active metallocene  
(Hokkaido Univ.)SATO, Nao; ITO, Hajime; NAKANISHI, Takayuki; FUSHIMI, Koji; HASEGAWA, Yasutika
- 2P072 Phosphorus-concentration dependence on visible-light photocatalytic activity of P-doped TiO<sub>2</sub>  
(Fukuoka Univ., Hokkaido Univ.)IWASE, Motoki; YAMADA, Keiji; KURISAKI, Tsutomu; WAKITA, Hisanobu; OHTANI, Bunsho
- 2P073 Novel Metal Free Photocatalytic Hydrogen Production Using Biomass as an Electron Source  
(Kyushu Univ.)FUJITA, Yusuke; SHIMAKOSHI, Hisashi; ABE, Masaaki; HISAEDA, Yoshio
- 2P074 Stable radicalization of lanthanide supramolecule and its effect on properties and photo-reactivity  
(Kanagawa Univ.) HINO, Ryotaro; HASHIMOTO, Senna; ORISAKU, Keiko; IWAKURA, Izumi; KOIDE, Yoshihiro
- 2P075 Control of dispersion of WO<sub>3</sub> colloids and their photochromic properties in WO<sub>3</sub>/methylcellulose composite film  
(Yamaguchi Univ.)ISHIDA, Hiroki; HONDA, Kensuke; ADACHI, Kenta; YAMAZAKI, Suzuko
- 2P076 Photocatalytic degradation of trichloroethylene in gas phase on platinum-ion-doped TiO<sub>2</sub> under visible light irradiation  
(Yamaguchi Univ.)SEYAMA, Tomoaki; FUJIWARA, Yuhei; ADACHI, Kenta; YAMAZAKI, Suzuko
- 2P077 Photoisomerization behavior of transition metal complexes with azobenzene-type ligand  
(Toho Univ.)MUTOH, Naoya; KACHI-TERAJIMA, Chihiro
- 2P078 Dependence of alkyl chain structure and aligned substrate surface on the

photoinduced isothermal phase transitions of a triphenylene derivatives with the azobenzene mesogens.

(Ryukoku Univ., AIST Kansai)SHIRASU, Tatsuya; TANAKA, Daisuke; SHIMIZU, Yo; UCHIDA, Kingo

- 2P079 Synthesis and magneto-optical properties of nona-nuclear Tb(III) clusters (Hokkaido Univ.) SUZUKI, Yuki; DOI, Yoshihiro; HINATSU, Yukio; ITO, Hajime; NAKANISHI, Takayuki; FUSHIMI, Koji; HASEGAWA, Yasuchika
- 2P080 Alternate layered nanostructures of metal oxides and their photocatalytic activities (Tokyo Tech.)KUMAGAI, Kozue; MOCHIZUKI, Dai; MAITANI, Masato; SUZUKI, Eiichi; WADA, Yuji
- 2P081 Fluorometric Detection of Aromatic Thiols in Aqueous Media with a Resorufin Derivative (Osaka Univ.)YAMAMOTO, Kohei; SUMIYA, Shigehiro; SHIRAISHI, Yasuhiro; HIRAI, Takayuki
- 2P082 Cell death on the thinfilm surface of diarylethenes by photo-irradiation (Ryukoku Univ., Industrial Research Center of Shiga Prefecture, Tokyo Univ., RIKEN, AIST)UCHIDA, Kingo; KODAMA, Ryuhei; UYAMA, Ayaka; KAMITANAKA, Takashi; KITAI, Jun-ichiro; YOKOJIMA, Satoshi; NAKAMURA, Shinichiro; SUMARU, Kimio
- 2P083 Photomechanical system of two-component mixed crystals composed of diarylethene derivatives (Rikkyo Univ.)OHSHIMA, Satoko; MORIMOTO, Masakazu; IRIE, Masahiro
- 2P084 Synthesis and optical properties of Eu-doped luminophore-glass hybrid with afterglow (Hokkaido Univ.)WATANABE, Kazune; NAKANISHI, Takayuki; FUSHIMI, Koji; HASEGAWA, Yasuchika
- 2P085 Self-assemblies of amphiphilic dipolar molecules with multicolored luminescence (Chiba Univ.)YAGAI, Shiki; OKAMURA, Satoru; KARATSU, Takashi; KITAMURA, Akihide
- 2P086 Controlling self-assembly of soluble perylene bisimides by covalent dimerization (Chiba Univ., CREST, JST)YAGAI, Shiki; KURATA, Hiroki; KARATSU, Takashi; KITAMURA, Akihide
- 2P087 Substituent effect of photoinitiator containing carbazole unit as a photosensitizer (Chiba Univ., TOYO INK SC HOLDINGS CO., LTD. Advanced Materials Research Laboratory)IIZASA, Kumiko; EGUSA, Naoki; WADA, Sotai; KANNO, Masaki; YAGAI, Shiki; KITAMURA, Akihide; KARATSU, Takashi
- 2P088 Crystal-to-crystal phase transition between polymorphic forms of a photochromic diarylethene having propyl groups at the reactive carbons (Osaka City Univ.)KITAGAWA, Daichi; KOBATAKE, Seiya
- 2P089 Relationship between Glass Transition Temperature and Thermally Induced Emission Enhancement in Polymer Composites Containing Emissive Ionic Liquid



- (Univ. of Miyazaki, Bridgestone Co. Ltd.)KUBOTA, Natsumi; SHIRAGAMI, Tsutomu; MATSUMOTO, Jin; OOTSUKI, Masashi; YASUDA, Masahide
- 2P090 Synthesis of water-soluble photochromic diarylethene derivatives  
(Rikkyo Univ.)YAGI, Akira; SHOJI, Yuichiro; HORIUCHI, Masahiro; MORIMOTO, Masakazu; IRIE, Masahiro
- 2P091 Electroluminescence of conjugated polymers confined in vertical nanocylinders of a block-copolymer film  
(Tokyo Tech.)HONMOU, Yoshihiro; DONG, Xuan Ban; HABUCHI, Satoshi; KOMIYAMA, Hideaki; HADANO, Shingo; IYODA, Tomokazu; VACHA, Martin
- 2P092 Improvement of the light stability of hydrophobic natural dye by incorporation into the pore of mesoporous silicate  
(Shizuoka Univ., Tokyo Univ. Technol.)KATO, Yasushi; KOHNO, Yoshiumi; SHIBATA, Masashi; MAEDA, Yasuhisa
- 2P093 Photocontrollable self-assembly of stackable nanorings  
(Chiba Univ.)YAGAI, Shiki; YAMAUCHI, Mitsuaki; KOBAYASHI, Ai; KARATSU, Takashi; KITAMURA, Akihiko
- 2P094 Overall water splitting over new tantalate photocatalysts with layered structures  
(Tokyo Univ. of Science)MATSUI, Motoki; JIA, Qing Xin; IWASE, Akihiko; KUDO, Akihiko
- 2P095 Development of (Rh-doped SrTiO<sub>3</sub>)-(BiVO<sub>4</sub>) Composite Z-scheme Photocatalyst for Highly Efficient Solar Water Splitting  
(Tokyo Univ. of Science)JIA, Qingxin; IWASE, Akihiko; KUDO, Akihiko
- 2P096 Photocatalytic oxygen evolution under visible light irradiation on Cr-substituted PbMoO<sub>4</sub> prepared by a simple liquid-solid reaction  
(Tokyo Univ. of Science)SOMA, Kota; IWASE, Akihiko; KUDO, Akihiko
- 2P097 Improvement of Ir-doped SrTiO<sub>3</sub> photocatalyst with visible light response by metal ion codoping  
(Tokyo Univ. of Science)ASAI, Rikako; JIA, Qingxin; IWASE, Akihiko; KUDO, Akihiko
- 2P098 Magnetic Alignment of Photo-functional Niobate Nanoscrolls  
(Tokyo Metropolitan Univ.)UCHIKOSHI, Akino; MIYAJIMA, Soki; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo
- 2P099 Effect of the Anatase Crystal Facets on the Charge Transfer in Dye-sensitized Solar Cell  
(Tokyo Inst. Tech.)TANAKA, Keita; MAITANI, Masato; MOCHIZUKI, Dai; SUZUKI, Eiichi; WADA, Yuji
- 2P100 Development of the transparent conductive oxide-less wire type dye-sensitized solar cells  
(Osaka Pref. Univ.)KAWAKAMI, Yuhi; TAKEUCHI, Masato; HORIUCHI, Yu; MATSUOKA, Masaya

- 2P101 Excitation Energy Transfer from Non-aggregated Molecules to Perylenediimide Nanoribbons via Ionic Interactions in Water  
(Osaka Univ.)SUPUR, Mustafa; YAMADA, Yusuke; FUKUZUMI, Shunichi
- 2P102 Self-assembly and photoluminescence properties of Au-isocyanide complexes  
(Chiba Univ. , Hokkaido Univ.)YAGAI , Shiki ; KAWAGUCHI , Kohsuke ;  
KARATSU, Takashi; KITAMURA, Akihide; ITO, Hajime
- 2P103 Luminescence property of Self-Assembled Monolayers of Ln complexes bridged with benzene-1,4-dicarboxylate  
(Aoyama Gakuin Univ.)SATO, Saki; KUNISAKI, Shunsuke; TAKAHASHI, Isao;  
HASEGAWA, Miki
- 2P104 Synthesis and optical properties of liquid crystalline polyesters containing a diphenylanthracene in the main chain  
(Tokyo Tech.)ARAKAWA, Yuki; UCHIMURA, Makoto; KONISHI, Gen-ichi
- 2P105 Photochromism of Diarylethene Derivatives Introduced an Azulene Ring  
(Ryukoku Univ. , RIKEN , Tokyo Tech. , Tokyo Univ. of Pharmacy and Life Sciences, )KITAI, Jun-ichiro ; OGATA, Koji ; UCHIDA, Waka ; YOKOJIMA, Satoshi; NAKAMURA, Shinichiro; UCHIDA, Kingo
- 2P106 Influence of gold crystal structure on the localized plasmon resonance spectrum  
(RIES-Hokkaido Univ. , PRESTO-JST , CRIS-Hokkaido Univ.)MATSUZUKA, Yuki; UENO, Kosei; SUN, Quan; MISAWA, Hiroaki
- 2P107 Modulation of luminescence process based on the systematic change of molecular arrangement in crystals composed of 9,10-Bisaminophenylanthracene and mineral acid  
(Osaka Univ. , JST-PRESTO)SUGINO, Misa; TOHNAI, Norimitsu; HISAKI, Ichiro; MIYATA, Mikiji