Poster Session 3

Thu. Sep 16, 2021 4:40 PM - 6:20 PM

[3P01] Substitution position effects of the electron-withdrawing group, CF_3, on tautomer fluorescence of coumarin-urea derivatives
*Masato KOIKE[1], Yoshinobu NISHIMURA[1] (1. Univ. Tsukuba)

[3P02] Electron-withdrawing group effect on tautomeric fluorescence of an anthracene-urea compound
*Hiroki OYAMA[1], Yoshinobu NISHIMURA[1] (1. Univ. Tsukuba)

[3P03] The effect of solvent in the process of intramolecular proton transfer of a pyrene-urea compund in the excited state
*Leyun HUANG[1], Mayu YOSHIDA[1], Yoshinobu NISHIMURA[1] (1. Univ. Tsukuba)

[3P04] Diphenylanthracene derivative photo-functional dispersants of nano carbon materials
*Kazuki TAKAHASHI[1], Koki IKEDA[1], Nergis ARSU[2], Shigeru TAKAHARA[1] (1. Fac. of Eng., Chiba Univ., 2. Yildiz Technical Univ.)

[3P05] Presentation Cancelled

[3P06] Chromic Properties of Chlorophyll Derivatives Possessing Different Length *N*-Alkylamide Groups on Rings I and IV
*Takuma YOSHIYAMA[1], Ryo INOUE[1], Tomohiro MIYATAKE[1] (1. Fac. of Adv. Sci. and Tech., Ryukoku Univ.)

[3P07] Development of Fluorescent Reagents for the Detection of Neurotransmitters
*Yoshio SUZUKI[1] (1. AIST)

[3P08] Development and PDT activities of phosphorous-porphyrin photosensitizers through optimization of glucose linking method
*Yuri CHAKI[1], Jin MATSUMOTO[1], Yoshitaka HISHIKAWA[2], Naoya IMAMURA[2], Kengo KAI[2], Atsushi NANASHIMA[2] (1. Fac. of Eng., Univ. of Miyazaki, 2. Fac. of Med., Univ. of Miyazaki)

[3P09] Evaluation of photodynamic activity of phosphorous porphyrin complexes containing axial amino ligands in yeast cells
*Daiki NAGANO[1], Yuri CHAKI[1], Jin MATSUMOTO[1], Tsutomu SHIRAGAMI[1] (1. Fac. of Eng., Univ. of Miyazaki)

[3P10] Synthesis of Boron Complexes Based on Tridentate Imidazo[1,5-*a*]pyridine Ligand and Their Structural and Photophysical Properties
*Koki TAHARA[1], Keita HOSHI[1], Masami ITAYA[1], Atsushi TABATA[2], Hideaki NAGAMUNE[2], Tetsuro KATAYAMA[3], Akihiro FURUBE[3], Keiji MINAGAWA[1], Yasushi IMADA[1], Fumitoshi YAGISHITA[1,3] (1. Tokushima Univ., 2. Tokushima Univ., 3. Inst. of Post-LED Photonics)

[3P11] Research on Cytotoxicity of photoactive Surfactants
*Rintarou GOUSHI[1], Yuya ASHIKAGA, Sunnam KIM[2], Tsuyoshi FUKAMINATO[2], Wei XU[2], Takuro NIIDOME[2], Seiji KURIHARA[2] (1. Grad. Sch. of Sci. and Tech., Kumamoto Univ., 2. Faculty of Adv. Sci. and Tech., Kumamoto Univ.)

[3P12] Thermally- and Photo-induced Proton Transfer Coupled Spin Transition in a New Iron(II) Neutral Complex
*Kouki KADO[1], Takumi NAKANISHI[2], Osamu SATO[2] (1. Fac. of Sci., Kyushu Univ., 2. IMCE., Kyushu Univ.)

[3P13] Emission properties of Photo-controllable azobenzene crystals
*Miho OKAJI[1], Mitsuaki YAMAUTI[1], Sadahiro MASUO[1] (1. Grad. Sch. of Sci. and Technol., Kwansei Gakuin Univ.)

[3P14] Photoisomerizations of *N*-substituted phthalimide derivatives containing stilbene structure and their optical properties
*Motoki INOUE[1], Kazuhiro YAMABUKI[1], Kenjiro ONIMURA[1] (1. Grad. Sch. of Sci. and Tech. for Innov., Yamaguchi Univ.)

[3P15] Synthesis and solvatochromic behavior of chiral phthalimide derivatives and their optical properties
*Takumi YAMAMOTO[1], Kazuhiro YAMABUKI[1], Kenjiro ONIMURA[1] (1. Grad. Sch. of Sci. and Tech. for Innov., Yamaguchi Univ.)

[3P16] Photochemical Reactions of Bispyrenylstyrene Crosslinked with a Binaphthyl Unit and Multicolor Tuning of Cholesteric Liquid Crystal Reflection
*Tsuyoshi ITO[1], Tetsuya NAKAGAWA[1], Takashi UBUKATA[1] (1. Grad. Sch. of Eng. Sci., Yokohama Natl. Univ.)

[3P17] Photochemical Reactions of Bispyrenylacrylate Crosslinked with a Binaphthyl Unit and Its Application for Photocontrol of Liquid Crystal Orientation
*Ryo NAKAMURA[1], Tetsuya NAKAGAWA[1], Takashi UBUKATA[1] (1. Grad. Sch. of Eng. Sci., Yokohama Natl. Univ.)

[3P18] Synthesis of [2]catenane bearing a stilbene unit and its photoresponsive behavior.
*Ayaka KATAGIRI[1], Daichi TANAKA[1], Eietsu HASEGAWA[1], Hajime IWAMOTO[1] (1. Grad. School of Sci. and Tech., Niigata Univ.)

[3P19] Fluorescence switching properties of fluorescent diarylethene derivatives under single wavelength photoexcitation: light intensity and host matrix dependence
*Michiru AIKAWA[1], Misato FUNAOKA[1], Shoji ITO[1], Masakazu MORIMOTO[2], Masahiro IRIE[2], Hiroshi MIYASAKA[1] (1. Fac. of Eng. Sci., OSAKA Univ., 2. Fac. of Sci,. Rikkyo Univ.)

[3P20] Morphology Change of the Supramolecular Assembly of Polymerized Amphiphilic Diarylethene with Temperature Change
*Atsushi NAMIKAWA[1], Kenji HIGASHIGUCHI[1], Kenji MATSUDA[1] (1. Kyoto Univ.)

[3P21] Reverse Photochromism of Oxidized Dithienylethene with Spiro Structure
*Keiju YASUI[1], Tetsuya NAKAGAWA[1], Takashi UBUKATA[1] (1. Grad. Sch. of Eng. Sci., Yokohama Natl. Univ.)

[3P22] Synthesis and physical properties of difluoroboron complexes of diketonate moieties in 132,173-cyclopheophorbides with chlorin and bacteriochlorin skeletons
*Haruki ISHIKAWA[1], Yusuke KINOSHITA[1], Hitoshi TAMIAKI[1] (1. Ritsumeikan Univ.)

[3P23] Non-metal photochemical CO_2 reduction to formate with organohydride-recycle strategy
*Weibin XIE[1], Jiasheng XU[1], Ubaidah Md IDROS, Masahiko HAYASHI[1], Ryosuke MATSUBARA[1] (1. Fac. of Sci., Kobe Univ.)

[3P24] Two-electron water oxidation to form hydrogen peroxide with one-photon of visible light using Sn-porphyrin / SnO_2 film
*Yutaka OHSAKI[1], Tetsuya SHIMADA[1], Tamao ISHIDA[1,2], Shinsuke TAKAGI[1,2], Hiroshi TACHIBANA[1], Haruo INOUE[1,2] (1. Tokyo Metropolitan Univ., 2. Research Center for Hydrogen Energy-based Society)

[3P25] Unused Number

[3P26] Photochemical CO_2 reduction catalyzed by dyads consisting of Zn porphyrin-Re carbonyl complex with different binding positions.
*Yuto SUZUKI[1], Yusuke KURAMOCHI[1], Akiharu SATAKE[1] (1. Grad. Sch. of Sci., Tokyo Univ. of Sci.)

[3P27] Red-green-blue-yellow magnetic magnetic circularly polarized luminescence (MCPL) from optically inactive iridium complexes by applying an external magnetic field
*Maho KITAHARA[1], Seika SUZUKI[2], Kana MATSUDAIRA[1], Shigeyuki YAGI[3], Michiya FUZIKI[4], Yoshitane IMAI[1] (1. Grad. Sch. of Sci.Eng., Kindai Univ., 2. Fac. of Sci. Eng., Kindai Univ., 3. Grad. Sch. of Eng., Osaka Pref. Univ., 4. NAIST)

[3P28] Spatiotemporal photo-triggered sensing of singlet oxygen by rhodamine 6G-anthracene linked molecule
*Hanjun ZHAO[1], Yuta TAKANO[1,2], Devika SASIKUMAR[1,2], Vasudevan Pillai BIJU[1,2] (1. Grad. Sch. Env. Sci., Hokkaido Univ., 2. Res. Inst. Electr. Sci., Hokkaido Univ.)

[3P29] Photon Upconversion of Self-assembled Diphenylanthracenes Constructed Using DNA as Templates
*Ken NISHIOKA[1], Kango OKU[1], Mitsunobu NAKAMURA[1], Tadao TAKADA[1] (1. Univ. of Hyogo)

[3P30] Cycloreversion reaction of diarylethene derivatives: elucidation of specific reactivity to higher excited states formed by one-photon absorption
*Kento MIZUTA[1], Tatsuhiro NAGASAKA[1], Hikaru SOTOME[1], Hiroshi MIYASAKA[1] (1. Osaka Univ.)

[3P31] Ultrafast E → Z and Z → E isomerizations of hemiindigo derivatives with coherent nuclear wave packet motion
*Yamato HIGASHI[1], Yu KIHARA[1], Kazuki HINAGO[1], Yutaka NAGASAWA[2] (1. Fac. of Sci., Ritsumeikan. Univ., 2. Fac. of Sci., Ritsumeikan. Univ.)

[3P32] Pulse width dependence of laser-induced amplification of ring-opening reaction in diarylethene nanoparticles.
*Shintaro MATSUMOTO.[1], Yukihide ISHIBASHI[1], Tsuyoshi ASAHI[1] (1. Ehime Univ)

[3P33] Femtosecond pump-probe spectroscopy on phycoerythrin multimeric complexes from red alga *Neopyropia*
*Daisuke KOSUMI[1], Yuma HIROTA[2], Keisuke KAWAKAMI[3], Kimiko NAGAYOSHI[4], Toshinari KUROKI[4], Ryuya MATSUDA[5], Susumu TAKIO[5], Nobuo KAMIYA[6] (1. IINa, Kumamoto Univ., 2. Grad. of Sci. and Tech., Kumamoto Univ., 3. RIKEN, SPring-8, 4. Daiichi Seimou Co., LTD, 5. CWMD, Kumamoto Univ., 6. ReCAP, Osaka City Univ.)

[3P34] Energy transfer dynamics in a cysteine-incorporated biohybrid light-harvesting antenna LH2
*Tetsuya YAMAMOTO[1], Kazuki HINAGO[1], Masaya KITO[3], Masaharu KONDO[4], Takehisa DEWA[4], Yutaka NAGASAWA[2] (1. Fac. of Sci., Ritsumeikan. Univ., 2. Fac. of Sci., Ritsumeikan. Univ., 3. Fac. of Sci., NITech., 4. Fac. of Sci., NITech.)

[3P35] Dynamics of Primary Photosynthetic Processes in Green Sulfur Bacterial Reaction Center: Effect of Phylloquinone
*Kazuki HINAGO[1], Tomomi INAGAKI[1], Tetsuya YAMAMOTO[1], Masataka HOASHI[1], Keita SUGIHARA[1], Chihiro AZAI[2], Yutaka NAGASAWA[2] (1. Fac. of Sci., Ritsumeikan Univ., 2. Fac. of Sci., Ritsumekian Univ.)

[3P36] Patterning of small liquid droplets of organic dye solution by optical vortex laser induced forward transfer
*Ken-ichi YUYAMA[1], Takashige OMATSU[2,3] (1. Fac. of Sci,. Osaka City Univ., 2. Grad. Sch. Sci. Eng., Chiba Univ., 3. MCRC, Chiba Univ.)

[3P37] Electronic transitions of Mn(I) complexes affected by different π-conjugation lengths in their polypyridyl ligands
*Tsugiko TAKASE[1], Takatoshi KANNO[1], Koki CHONAN[1], Dai OYAMA[1] (1. Fukushima Univ.)

[3P38] Directional micro-motion of polymer microstructure induced by anisotropic emission of fluorescence
*Takayuki NANNO[1], Takahiro KAJI[2], Takuya IIDA[3], Mamoru TAMURA[1], Syoji ITO[1], Hiroshi MIYASAKA[1] (1. Osaka Univ., 2. National Inst. of Information and Communications Tech., 3. Osaka Pref. Univ.)

[3P39] Elucidation of Structural Relaxation Dynamics of Cycloparaphenylene in the Excited State Using Femtosecond Stimulated Raman Spectroscopy

*Yusuke MORITA[1], Hikaru SOTOME[1], Hiroshi MIYASAKA[1] (1. Fac. of Eng. Sci., Osaka Univ.)

[3P40] Absorption spectra of perylene and anthracene in molten state
*Haruyoshi KUBOTA[1], Ryuzi KATOH[1] (1. Nihon Univ.)

[3P41] Stabilization of visible 5-fs pulse laser for time-resolved spectroscopy of molecular vibration
*Izumi IWAKURA[1], Kotaro OKAMURA[1], Sena HASHIMOTO[2], Atsushi YABUSHITA[1] (1. Kanagawa Univ., 2. JSPS)

[3P42] Singlet Exciton Diffusion Dynamics in HJ-Aggregated Polythiophene Thin Films
*Taiki TAKEYAMA[1], Yasuhiro MURATA[1], Yasunari TAMAI[1,2], Hideo OHKITA[1] (1. Grad. Sch. of Eng., Kyoto Univ., 2. JST PRESTO)

[3P43] Photophysical properties of 3-acetoacetyl coumarin derivatives with electron-donating substituents
*Mina TSUNODA[1], Manami NOGUCHI[2], Seiji TOBITA[1], Toshitada YOSHIHARA[1] (1. Grad. of Sci. and Tech., Gunma Univ., 2. Fac. of Sci. and Tech., Gunma Univ.)

[3P44] Excited state and photosensitization of 5-fluoro-4-thiouridine
*Yoshino YAMADA[1], Wataru KASHIHARA[1], Tadashi SUZUKI[1] (1. Grad. Sch. Sci. Eng., Aoyama Gakuin Univ.)

[3P45] Time resolved EPR study on intramolecular singlet fission mechanism of biphenyl-bridged tetracene dimer
*Kakeru ONISHI[1], Shunta NAKAMURA[2], Taku HASOBE[2], Yasuhiro KOBORI[3] (1. Grad. Sch. of Sci., Kobe Univ., 2. Fac. of Sci. Tech., Keio Univ., 3. MPRC., Kobe Univ.)

[3P46] Effects of molecular structure and counter anion on the excited state dynamics of benzo[*b*]phospholium salts
*Kaori FUJII[1], Yuta KUDO[2], Nina MURAYAMA[2], Atsuro MATSUMOTO[1], Yoshihiro MATANO[2], Yoshifumi KIMURA[1,3] (1. Fac. of Sci. and Eng., Doshisha Univ., 2. Grad. of Sci. and Tech., Niigata Univ., 3. Grad. of Sci and Eng., Doshisha Univ.)

[3P47] Excited State Dynamics of a Fullerene Derivative, [60]PCBM, in Electron Donating Solvents
*Haruka TSUJII[1], Yuto MASAOKA, Kazuki HINAGO[1], Yu KIHARA[1], Yutaka NAGASAWA[1] (1. Fac. of Sci., Ritsumeikan Univ.)

[3P48] Aggregation-induced emission in ligand-protected Au_2Cu_6 clusters
*Daichi ARIMA[1], Yoshiki NIIHORI[1], Masaaki MITSUI[1] (1. Fac. of Sci., Rikkyo Univ.)

[3P49] Elucidation of photoionization dynamics of CdTe quantum dots using multiple excitation
*Naoki IDE[1], Masafumi KOGA[2], Yuto MIYAKE[1], Hikaru SOTOME[1], Hiroshi MIYASAKA[1] (1. Osaka Univ., 2. UC Berkeley)

[3P50] Time resolved EPR study on interfacial charge-transfer and charge separation at bulk-heterojunction of blend film using tetrabenzoporphyrin– diketopyrrolopyrrole conjugate as a donor
*Takaaki NAGATOMO[1], Masaaki FUKI[1,2], Sadahiro MASUO[3], Hiroko YAMADA[4], Yasuhiro KOBORI[1,2] (1. Grad. Sch. of Sci., Kobe Univ., 2. Mol. Photosci. Res. Center, Kobe Univ., 3. Sch. Bio. Environ. Sci., Kwansei Gakuin Univ., 4. Grad. Sch. Sci. Tec. NAIST)

[3P51] Femtosecond fluorescence upconversion measurements of excimer formation dynamics of perylene in thin films
*Koki IMAMURA[1], Munetaka IWAMURA[1], Koichi NOZAKI[1] (1. Univ. of Toyama)

[3P52] Time resolved EPR study on the excited states exhibiting thermally activated delayed fluorescence
*Joji KATSUHIRA[1], Yu KUSAKABE[2], Yoshimasa WADA[2], Natsuko KANNO[2], Yongxia REN[2], Hironori KAJI[2], Yasuhiro KOBORI[1,3] (1. Grad. Sch. Sci., Kobe Univ., 2. Inst. Chem. Res., Kyoto Univ., 3. Mol. Photosci. Res. Center, Kobe Univ.)

[3P53] Fluorescence dynamics of AIE-active silole in single crystal
*Yuki NISHIURA[1], Yukihide ISHIBASHI[1], Tsuyoshi ASAHI[1] (1. Ehime Univ.)

[3P54] Solvent Effects on Charge Transfer State of 9-Arylcarbazole Studied by Time-resolved Spectroscopy
*Kazuya TAKAMOTO[1], Yoshifumi UENO[1], Kaoru OHTA[1,2], Michitoshi HAYASHI[3], Seiji AKIMOTO[1], Ryosuke MATSUBARA[1], Keisuke TOMINAGA[1,2] (1. Grad. Sch. of Sci., Kobe Univ., 2. Molecular Photoscience Research Ctr., Kobe Univ., 3. Ctr. for Condensed Matter Sci., National Taiwan Univ.)

[3P55] Excitation polarization dependence of lasing dynamics in a CH3NH3PbBr3 crystal revealed by femtosecond transient absorption microscopy
*Yuma FUJITA[1], Yuichiro AKAGI[1], Tetsuro KATAYAMA[1], Akihiro FURUBE[1] (1. Tokushima Univ.)

[3P56] Femtosecond transient absorption microspectroscopy of copper phthalocyanine nanorods thin film
*Ryosuke TANAKA[1], Yukihide ISHIBASHI[1], Tuyoshi ASAHI[1] (1. Ehime Univ.)

[3P57] Selective photo reaction induced by spectrally shaped pulse laser
*Sena HASHIMOTO[1,2], Atsushi YABUSHITA[3], Izumi IWAKURA[3] (1. JSPS, 2. Yokohama Natl. Univ., 3. Kanagawa Univ.)

[3P58] Alkyl side-chain length dependence on siglet oxygen relaxation in ionic liquids
Yui URUSHIMA[1], Erena OGAWA[1], Kyohei USAMI[1], *Akio KAWAI[1] (1. Fac.of Sci., Kanagawa Univ.)

[3P59] Acceleration of Thermal Back Reaction of Negative Photochromic Binaphthyl-Bridged Imidazole Dimer
*Keiki MATSUURA[1], Katsuya MUTOH[1], Jiro ABE[1] (1. Aoyama Gakuin Univ.)

[3P60] Design and synthesis of diarylethene-perylenebisimide dyads that shows the photocyclization reaction upon irradiation with visible (> 540 nm) light
*Issei IKARIKO[1], Sunnam KIM[1], Seiji KURIHARA[1], Tsuyoshi FUKAMINATO[1] (1. Kumamoto Univ.)

[3P61] Synthesis of visible-light-responsive photochromic diarylethenes having extended π-conjugation
*Atsuhiro YOSHIKAWA[1], Ifu BAN[1], Ryo NISHIMURA[1], Masakazu MORIMOTO[1], Masahiro IRIE[1] (1. Fac. of Sci., Rikkyo Univ.)

[3P62] Fabrication and photo-induced interlayer distance change of a layered titanoniobate hybrid
*Futa NAKAMURA[1], Tsutomu SHIRAGAMI[1], Yu NABETANI[1] (1. Univ. of Miyazaki)

[3P63] T-type Photochromism of ZnO Nanocrystals
*Hiroki ITO[1], Yoichi KOBAYASHI[1] (1. Fac. of Life Sci., Ritsumeikan Univ.)

[3P64] Black photochromism in a diarylethene derivative
*Asami SAKANISHI[1], Fuminori SATOU[2], Yoshimi OHTA[2], Shunta NABETANI[2], Maki KAMIKUBO[2], Ryota MAEHASHI[2], Tomoya OBARA[2], Sannan KIM[1], Seiji KURIHARA[1], Tsuyoshi FUKAMINATO[1] (1. Dept. of Applied Chem. & Biochem., Grad. Sch. of Sci. & Tech., Kumamoto Univ., 2. Nissan Motor Co. Ltd.)

[3P65] Synthesis of diarylbenzene with high photoreactivity and fast thermal decoloration property
*Rikuto MAEGAWA[1], Shota HAMATANI[1], Daichi KITAGAWA[1], Seiya KOBATAKE[1] (1. Grad. Sch. Eng., Osaka City Univ.)

[3P66] Step-π-conjugated polymers (169) Synthesis of A,B-block type macromolecular wire with controlled electron transfer direction.
*Kota TANAKA[1], Haoxuan GUO[1], hiroyuki AOTA[1] (1. Kansai Univ. Fac. of Chem., Mater. And BioEng)

[3P67] Step-π-conjugated polymers (170) Synthesis of macromolecular wire with a donor and an acceptor at terminals and evaluation of its photoinduced electron transfer
*Daisuke KITAYAMA[1], Haoxuan GUO[1], Hiroyuki AOTA[1] (1. Kansai Univ. Fac. of Chem., Mater. and BioEng.)

[3P68] Step-π-conjugated polymers (171) Evaluation of photoinduced electron transfer for polymer with a donor and an acceptor at the terminal
*MAKI TANAKA[1], Haoxuan GUO [1], Hiroyuki AOTA[1] (1. Kansai Univ. Fac. of Chem., Mater. and BioEng.)

[3P69] Step-π-conjugated polymers (172) Synthesis of amphiphilic macromolecular wires using energy level difference and evaluation of photoinduced electron transfer
*Mitsuhiro FUNO[1], Haoxuan GUO[1], Hiroyuki AOTA[1] (1. Kansai Univ. Fac. of Chem.,Mater. and Bioeng.)

[3P70] Step-π-conjugated polymers (173) Synthesis and optical behavior of A,B-block type amphiphilic macromolecular wire
*Yusuke UDA[1], Haoxuan GUO[1], Hiroyuki AOTA[1] (1. Kansai Univ. Fac. of Chem., Mater. and Bioeng.)

[3P71] Step-π-conjugated polymers (174) Binding and evaluation of ferrocene-introduced macromolecular wires to gold electrodes by two approaches
*Takumu YANAI[1], Haoxuan GUO[1], Hiroyuki AOTA[1] (1. Kansai Univ. Fac. of Chem., Mater. and Bioeng.)

[3P72] Step-π-conjugated polymers (175) Synthesis of ferrocene introduced a macromolecular wire on Au electrode
*Yuriko TAKEMURA[1], Haoxuan GUO[1], Hiroyuki AOTA[1] (1. Kansai Univ. Fac. of Chem., Mater. and Bioeng.)

[3P73] Investigation on the mechanism for the OH-radical formation by the BiVO4-TiO2 photocatalysts
*Shizu TERAO[1], Yoshinori MURAKAMI[1] (1. NIT, Nagaoka College)

[3P74] Comparison of H^+ photoreduction ability of Pt/TNS synthesized by deposition reduction method and light depotision method
*Hosei TAKIMOTO[1], Yugo HIRADE[1], Tetsuya SHIMADA[1], Tamao ISHIDA[1,2], Shinsuke TAKAGI[1,2] (1. Tokyo Metropolitan Univ., 2. Research Center for Hydrogen Energy-based Society)

[3P75] Synthesis and characterization of titanium/tin complex metal oxide nanoparticles
*Keito SANO[1], Tamao ISHIDA[1], Tetsuya SHIMADA[1], Hiroshi TACHIBANA[1], Bunsho OHTANI[2], Shinsuke TAKAGI[1], Haruo INOUE[1] (1. Tokyo Metropolitan Univ., 2. Inst. for Catalysis, Hokkaido Univ.)

[3P76] Effect of Metal-oxide Cluster Species of Metal-organic Framework Photocatalysts on H_2O_2 Production
*Kenta HINO[1], Yoshifumi KONDO[1], Yasutaka KUWAHARA[1,2,3], Kohsuke MORI[1,2], Hiromi YAMASHITA[1,2] (1. Grad. Eng., Osaka Univ., 2. ESICB, Kyoto Univ., 3. JST-PRESTO)

[3P77] Hydrogen production system using household wastewater as main material of photocatalyst and sacrificial agent
*Joevandi DEWANTARA[1], Haruki NAGAKAWA[1], Morio NAGATA[1] (1. Grad. Sch. of Eng., Tokyo Univ. of Sci.)

[3P78] Preparation of Azobenzene-based Molecular Glass Microspheres and Their Photomechanical Behaviors
*Hajime NIGORIKAWA[1], Motona MATSUBARA[1], Hideyuki NAKANO[1] (1. Muroran Inst.)

[3P79] Measurements of photovoltaic properties of solar cell sensitized with c-phycocyanin protein complex
*Koji TAMURA[1], Motoyasu ADACHI[2], Rumi SHIMIZU[2], Tomitugu TAGUCHI[1], Hironori OHBA[1] (1. QST, 2. QST)

[3P80] Unique absorption / emission behavior of bipyridinium derivatives on solid surfaces
*Hikaru TOIDA[1], Shota IGOSHI[1], Tatsuto YUI[1] (1. Fac. of Sci., Niigata University)

[3P81] Study of optical and photophysical properties of mixed cation (FA/MA) lead halide perovskites on the microscopic level
*Anubha AGARWAL[1], Ryotaro NAKAMURA[1], Shun OMAGARI[1], Martin VACHA[1] (1. Tokyo Inst. Tech.)

[3P82] Construction of porous organic salts with heavy-atom space composed of tetrahedral tetra sulfonic acids and triphenylmethylamines modified by heavy halogen and phosphorescence induction of the luminescent molecules in the pores.
*Hiroi SEI[1], Norimitsu TOHNAI[1] (1. Grad. Sch. of Eng., Osaka Univ.)

[3P83] Synthesis and Properties of triazine substituted luminescent platinum complexes
Yuto OOTSUKA[1], *Masashi HASHIMOTO[1], Hideo KONNO[2] (1. Fac. of Sci., Josai Univ., 2. AIST)

[3P84] Synthesis of *N*-alkylated 4-anthrylphthalimide derivatives and its mechanochromism using Diels-Alder reaction
*Takemi YOKOYAMA[1], Kazuhiro YAMABUKI[1], Kenjiro ONIMURA[1] (1. Grad. Sch. of Sci. and Tech. for Innov., Yamaguchi Univ.)

[3P85] Transient-excited States of Visible-light-responsive Photocatalyst $CuLi_{1/3}Ti_{2/3}O_2$ Investigated by Picosecond Time-resolved XAFS
*Dongxiao FAN[1], Shunsuke NOZAWA[1], Kenta WATANABE[2], Akihiko KUDO[2] (1. Inst. of Materials Structure Sci., KEK, 2. Fac. of Sci., Tokyo Univ. of Sci.)