

Poster session

October 24 (Thu) 17:10-18:40

(odd number 17:10-17:55, even number 17:55-18:40)

October 25 (Fri) 17:00-18:00 (free presentation)

- P01 Multiply Charged Energetic Metal Ion Emissions from Dinuclear Metal Complex Exposed to Intense Femtosecond Laser Fields
Takuya Matsumoto, Hiroki Tanaka, Nobuaki Nakashima, Tomoyuki Yatsuhashi (Osaka City Univ.)
- P02 Synthesis of Laterally π -Expanded Helicenes and Investigation of Their Molecular Spring Properties
Yusuke Nakakuki, Takashi Hirose, Kenji Matsuda (Kyoto Univ.)
- P03 Triplet-triplet Annihilation Photon Upconversion (TTA-UC) by Triplet Energy Transfer (TET) through Solid-liquid Interface
Toshiko Mizokuro¹, Aizitiaili Abulikemu², Yusuke Sakagami^{2,3}, Ritsuki Nishii^{2,3}, Kengo Suzuki⁴, Tetsuro Jin², Kenji Kamada^{2,3} (ESPRIT:AIST¹, IFMRI:AIST², Kwansei Gakuin Univ.³, Hamamatsu Photonics⁴)
- P04 Control of Colloidal Quantum Dot Arrangement by Supramolecular Approach
Mitsuaki Yamauchi, Sadahiro Masuo (Kwansei Gakuin Univ.)
- P05 Improvement of Cpl Properties of [5]Helicene Derivatives Based on Expansion of Chiral Space
Hiromu Kubo, Takashi Hirose, Kenji Matsuda (Kyoto Univ.)
- P06 Investigation on Photodegradation Induced Blue-shift of CsPbBr₃ Perovskite Quantum Dots at the Single-particle Level
Yoshua Albert Darmawan, Mitsuaki Yamauchi, Sadahiro Masuo (Kwansei Gakuin Univ.)
- P07 Selective Formation of Porous Film by Rubrene Deposition on Diarylethene Films
Kazuma Kotani, Tsuyosi Tsujioka (Osaka Kyoiku Univ.)
- P08 Rapid Dynamic Stokes Shift of a Betaine Dye with Decreasing Polarity upon Photoexcitation
Akira Iwamoto¹, Yusuke Yoneda², Hiroshi Miyasaka², Yutaka Nagasawa¹ (Ritsumeikan Univ.¹, Osaka Univ.²)
- P09 Enhancement Effect of Hole-Transfer From Au Nanoparticle to Photochromic Molecule by Insertion of Thin TiO₂ Insulator Layer
Suguru Higashida¹, Ryota Toku¹, Genta Nakano¹, Tsuyoshi Kawai², Ryosuke Asado², Ryo Mizutsu², Tsuyoshi Akiyama³ (Osaka Pref. Univ. College of Tech.¹, NAIST², Univ. of Shiga Pref.³)
- P10 Femtosecond Excited State Dynamics of Fullerene Charge Transfer Complexes in Electron Donating Solvents: Study on Excitation Wavelength Dependence
Yosuke Takahashi, Keita Sugihara, Yutaka Nagasawa (Ritsumeikan Univ.)

- P11 Singlet Fission Dynamics in Linear- and Ring-Shaped Molecular Aggregate Models by Quantum Master Equation Method
Masayoshi Nakano, Kenji Okada, Hajime Miyamoto, Wataru Yoshida, Takayoshi Tonami, Takanori Nagami (Osaka Univ.)
- P12 Triplet-Triplet Annihilation Photon Upconversion in Crystalline Solid with Improved Compatibility
Risa Fukuuchi¹, Kenji Kamada¹, Yuto Toyoshima², Takumi Yoshinami², Kenji Kobayashi² (Kwansei Gakuin Univ./AIST¹, Shizuoka Univ.²)
- P13 Saccharide Glasses as Bioprotective Substances: Suppression of Molecular Motion Monitored by Red-Edge Effect of a Fluorescent Dye, Auramine O
Atsushi Toyo, Yutaka Nagasawa (Ritsumeikan Univ.)
- P14 Theoretical Study of Conformational and Environmental Effects on Electronic Structures and Nonlinear Optical Properties of Asymmetric BIANTRONE Derivatives
Ryohei Kishi, Shoma Kitano, Masayoshi Nakano (Osaka Univ.)
- P15 Quantum Design Guideline for Molecular-Based Systems Exhibiting Large Third-Order Nonlinear Optical Responses Induced by Singlet Fission
Takayoshi Tonami, Takanori Nagami, Kenji Okada, Wataru Yoshida, Hajime Miyamoto, Masayoshi Nakano (Osaka Univ.)
- P16 Photochromic Performance of 5-Heteroaryl-4-vinyl-2-phenylthiazole Derivatives
Shizuka Takami¹, Tsuyoshi Kawai², Tadatsugu Yamaguchi³ (NIT-Niihama College¹, NAIST², Hyogo Univ.³)
- P17 Theoretical Study on Singlet Fission in Pentacene Dimer Model Based on Vibronic Coupling and its Density Analysis
Takanori Nagami, Takayoshi Tonami, Kenji Okada, Wataru Yoshida, Hajime Miyamoto, Masayoshi Nakano (Osaka Univ.)
- P18 Photocontrol of Azobenzene-Quantum Dot Supramolecular Coaggregates
Seiya Yamamoto, Mitsuaki Yamauchi, Sadahiro Masuo (Kwansei Gakuin Univ.)
- P19 Photochromic Radical Complexes that Show Heterolytic Bond Cleavage
Ryosuke Usui¹, Yoichi Kobayashi¹, Katsuya Yamamoto², Hajime Okajima², Katsuya Mutoh², Akira Sakamoto², Jiro Abe² (Ritsumeikan Univ.¹, Aoyama Gakuin Univ.²)
- P20 Synthesis and Photophysical Properties of Dipyrrolyldiketone Pt^{II} Complexes as New Anion-Responsive π -Electronic Systems
Atsuko Kuno, Goki Hirata, Yoichi Kobayashi, Hiromitsu Maeda (Ritsumeikan Univ.)
- P21 Measurement of Two-photon Absorption of Open-shell Molecule in Single Crystal
Tatsuki Konishi¹, Kenji Kamada¹, Kazuki Terada², Takashi Kubo², Ryohei Kishi², Masayoshi Nakano² (AIST/Kwansei Gakuin Univ.¹, Osaka Univ.²)
- P22 Fluorescent Bio-imaging of ZnS-AgInS₂ (ZAIS) Nanoparticles on the Plasmonic Chip
Makiko Yoshida¹, Keiko Tawa¹, Ko Masuoka², Takayuki Takiyama², Tatsuya Kameyama², Tsukasa Torimoto² (Kwansei Gakuin Univ.¹, Nagoya Univ.²)

- P23 Two Photon Emission Detection of Quantum Dots Adsorbed on the Silver Plasmonic Chip
Yuki Omura¹, Keiko Tawa¹, Chie Hosokawa² (Kwansei Gakuin Univ.¹, AIST/Osaka City Univ.²)
- P24 Synthesis and Emissive Properties of Multiply Aryl-Substituted Pyrrole-Based Anion-Responsive π -Electronic Molecules
Shinya Sugiura, Hiromitsu Maeda (Ritsumeikan University)
- P25 Fabrication of Phthalocyanine Nanorods Colloids by Pulse Laser Fragmentation in Liquids and Their Application to Gas Sensors
Ryo Kihara¹, Hiroki Nakajima¹, Yukihide Ishibashi¹, Masanobu Matsuguchi¹, Tsuyoshi Asahi¹, Tsuyoshi Kawai² (Ehime Univ.¹, NAIST²)
- P26 Breakdown of the Perturbative Approach to Singlet Fission Rates in Slip-stacked Pentacene Dimer Models: Inspection by the Quantum Master Equation Method
Kenji Okada, Takayoshi Tonami, Takanori Nagami, Wataru Yoshida, Hajime Miyamoto, Masayoshi Nakano (Osaka Univ.)
- P27 Amplification of Cycloreversion Reaction Quantum Yield by Nanosecond Laser Pulse Excitation : Size Effect
Shoki Nakai¹, Yukihide Ishibashi¹, Daichi Kitagawa², Seiya Kobatake², Tsuyoshi Asahi¹ (Ehime Univ.¹, Osaka City Univ.²)
- P28 Single-nanocrystal Femtosecond Transient Absorption Spectroscopy and Imaging by Using a Confocal Pump-Probe Microscope
Yukihide Ishibashi, Tsuyoshi Asahi (Ehime Univ.)
- P29 Size-dependent Hot Electron Transfer Dynamics in CdTe Quantum Dot-fullerene Systems
Shota Kori, Naoto Tamai (Kwansei Gakuin Univ.)
- P30 Ion-Pairing Assemblies Based on Porphyrin–Au^{III} Complexes
Hiroki Tanaka, Yohei Haketa, Hiromitsu Maeda (Ritsumeikan Univ.)
- P31 Isomerization Sensitivity of Azobenzene Molecules Surrounded by Free Volumes
Ikumi Takemoto¹, Tsuyoshi Tsujioka¹, Hideyuki Nakano² (Osaka Kyoiku Univ.¹, Muroran Inst. Tech.²)
- P32 Photochromic Reaction of CdTe Quantum Dots-Diarylethene Derivative Hybrid System at Silent Wavelength
Kataoka Taisei, Naoto Tamai (Kwansei Gakuin Univ.)
- P33 Ultrafast Electron Transfer Reaction in a Donor-Acceptor System Achieved by Multiphoton Ionization
Tomomi Kawakami, Masafumi Koga, Hikaru Sotome, Hiroshi Miyasaka (Osaka Univ.)
- P34 Inducing Baird aromatic electronic structure of $[4n]\pi$ -systems by external spin perturbation
Daiki Shimizu, Takero Aoki, Kenji Matsuda (Kyoto Univ.)

- P35 Molecular Structures and Dynamics of Photoresponsive Molecular Systems Revealed by Various Vibrational Spectroscopies
Akira Sakamoto, Hajime Okajima, Jiro Abe (Aoyama Gakuin Univ.)
- P36 Effectual Photon Upconversion through the Toroidal Interaction Tadashi Mori (Osaka Univ.)
- P37 Photo-switching of Radiation Force by using Short-lived Excited-state
Mizuki Hayasaka, Naoki Ide, Masafumi Koga, Hikaru Sotome, Syoji Ito, Hiroshi Miyasaka (Osaka Univ.)
- P38 In-Cell Formation of Water-Soluble Flapping Viscosity Probe
DEY Nilanjan, SAITO Shohei (Kyoto Univ.)
- P39 Photochemical Stability of Highly-excited Single Perovskite Nanocrystals
Lata Chouhan, Sushant Ghimire, Vasudevanpillai Biju (Hokkaido Univ.)
- P40 Efficient Non-radiative Energy Transfer in Close-packed Lead Halide Perovskites Synthesized by a Pressure-induced Solid-state Method Ghimire Sushant, Biju Vasudevanpillai (Hokkaido Univ.)
- P41 Lateral diffusion of guest molecules in blend polymer, as investigated with single-molecule tracking with one-color fluorescence switching
Misato Funaoka, Syoji Ito, Masakazu Morimoto, Masahiro Irie, Hiroshi Miyasaka (Osaka Univ.)
- P42 Thermochromism of Fluorescent Diarylethene Derivatives Induced by Molecular Aggregation.
Haruka Shinmen¹, Tatsthiro Nagasaka¹, Hikaru Sotome¹, Hiroshi Miyasaka¹, Masakazu Morimoto², Masahiro Irie² (Osaka Univ.¹, Rikkyo Univ.²)
- P43 Fluorescence Enhancement by High-Order Plasmon Modes Excited on Single Gold Mesoplates
Seiju Hasegawa, Keisuke Imaeda, Kohei Imura (Waseda Univ.)
- P44 Modulation of Synergetic Association with Pressurization on Chiral Nanogibers
Shumpei Yonezawa, Tsuyoshi Kawai, Takuya Nakashima (NAIST)