

---

# Poster Presentations

---

16:55 - 18:25, 24 (Wed) September

- P001 Effects of Reduction Conditions on Electrical Performance of Ultrathin Reduced Graphene Oxide Films  
Xiaolin Huang (The University of Osaka)
- P002 Electronic structures and Photovoltaic properties of Pt(II) acetylide complexes as Non-Fullerene Acceptors  
Naohiro Takahashi (Kindai University)
- P003 Organic Solar Cells Using PBDB-T and Y6 with Solution-Processed Layered Structure  
Shunya Nomura (The University of Osaka)
- P004 Design and synthesis of donor polymers incorporating  $\pi$ -extended thiazole-based fused rings for high-performance organic photovoltaics  
Mayu Tomita (Hiroshima University)
- P005 Near-Infrared Wavelength-Selective Organic Solar Cells with a P-i-n Structure Using Tin(IV) 2,3-Naphthalocyanine Dichloride  
Tomonori Imamura (The University of Osaka)
- P006 High-Efficiency Organic Light-Emitting Diodes Using a Heptazine-Carbazole Derivative  
Hiroki Kawai (The University of Osaka)
- P007 Photovoltage Mapping in Planar-Heterojunction Ternary Polymer Solar Cells by Photo-Illuminated Kelvin Probe Force Microscopy  
Kaoru Toda (Nara Institute of Science and Technology)
- P008 Inkjet-Printed CsPbI<sub>3</sub> Perovskite Nanocrystal LEDs Using DDAI Ligand Exchange and Ternary Solvent Ink  
Takuya Akiyama (Yamagata University)
- P009 Perovskite nanocrystal-based hydrogen peroxide sensor  
Taiki Matsumiya (Yamagata University)
- P010 Development of Compact and Stable NIR-Absorbing Triarylmethane Dye via Structural Control  
Hayato Kitaoka (Kyoto Institute of Technology)
- P011 Development of highly biodegradable UV absorbers with low environment load  
Toshiyuki Uesaka (Shipro Kasei Kaisha, LTD)
- P012 Synthesis and optical properties of norsquarylium dye boron complexes  
Wakana Oyama (Gifu University)

- P013 Elucidation of Organohalogenochromism of the D-A Type Pyridinium Dye Based on Halogen Bond  
Kumpei Kozuka (Hiroshima University)
- P014 Porous Organic Crystals with Light-Induced Color Change Based on Dimethyldihydropyrazino[e]pyrene Derivatives  
Rento Maeda (The University of Osaka)
- P015 Polymorphs and Hydrated Crystal of *N,N'*-dipropylquinacridone  
Udo Yukiko (Yokohama National University)
- P016 Electroactive Carbazole-based Polycyclic Aromatic Hydrocarbons  
Ting-Hsuan Lin (Academia Sinica)
- P017 Crystal Structure of a series of *N*-alkylated isoindigo derivatives  
Yu Ibusuki (Yokohama National University)
- P018 Crystallite Orientation in Covalent Organic Framework Films Prepared through a Solution-Deposition-Polymerization Approach  
Satoshi Haze (The University of Osaka)
- P019 Development of flavone-based UV-absorbing polymers  
Akitomo Nakano (Shipro Kasei Kaisha, LTD)
- P020 Complexation of pyrimido[5,4-*h*]quinazolines with the Metal Halides  
Kirti Yadav (Gifu University)
- P021 Effects of Monomer Planarity on the Formation of Two-Dimensional Hexagonal Imine-Linked Covalent Organic Solid Solutions  
Ryosuke Matoba (The University of Osaka)
- P022 Development of Photo-induced Electron Transfer (PET)-Type Fluorescent Sensor for Amine and Fabrication of Sensor-Modified Polyvinyl Alcohol Film  
Kazuki Tao (Hiroshima University)
- P023 Surface-Buckling-Enhanced Ag/ZnO nanorods SERS-Active Device for Detecting Organic Chemicals  
Pei-Chieh Tseng (National Chung Hsing University)
- P024 *In silico* frontier orbital energy design of tris(2,2'-bipyridyl) ruthenium(II) complex by multivariate analysis and DFT calculation  
Yasutaka Kitagawa (The University of Osaka)
- P025 Fabrication of Printed Wiring on Non-woven Fabric by a Selective-Wetting Method  
Masashi Nitani (Osaka Research Institute of Industrial Science and Technology)
- P026 What the value KNC Laboratories can provide is  
Kentaro Tominaga (KNC Laboratories Co., Ltd)
- P027 Development of Real-Time Monitoring System for Water Based on Chemiluminescence

- of Luminol and Photosensitizer  
Yuto Ida (Hiroshima University)
- P028 Lithium-ion Dynamic and Storage of Halogenated Nanographenes  
Hui Qi Wong (Academia Sinica)
- P029 High-Throughput Exploration of Zwitterionic Block Copolymer Phase Behavior through Fractionated Activated Ester Precursors  
Hiroki Aramaki (Mitsubishi Chemical Center for Advanced Materials)
- P030 MOF Photocatalysts for Water Splitting: Synthesis and DFT Study  
Masaya Matsuoka (Osaka Metropolitan University)
- P031 Short-Wavelength Infrared Absorption Properties of Croconaine Dyes with Intermediate Diradical Character in the Thin-Film State  
Yuki Furutani (Osaka Metropolitan University)
- P032 Development of Visible-Light-Sensitive Photoacid Generators Based on Cu(I) Diimine Complexes  
Yuki Inoue (Osaka Metropolitan University)
- P033 Synthesis of Thioflavylium-Based Croconaine Dyes with Intermediate Diradical Character and Their Distinct Magnetic Properties  
Kohei Ono (Osaka Metropolitan University)
- P034 Thermally Activated Delayed Fluorescence Properties of Donor–Acceptor Type Dyes Featuring Quinoxaline-Based Acceptors Modified with 3,5-Bis(trifluoromethyl)phenyl Groups  
Hiroaki Chihara (Osaka Metropolitan University)
- P035 Stimuli-Responsive Cyclometalated Platinum(II) Complexes Bearing Alkoxy Groups with Various Lengths  
Saki Ukita (Osaka Metropolitan University)