

# Poster Session 1

16:50 - 18:00, Tuesday, August 26, 2025

*Conference Room 1004-1007*

- 1A-001** Full-Color Electrophoretic Photonic Display using Core-Shell Nanoparticles in Non-polar Medium  
Hyejung Lim (Sejong University)
- 1A-002** Bright and Stable Blue-Emitting CsPbBr<sub>3</sub> Perovskite Nanoplatelets Achieved via surface Manipulation Using Organic Spacers  
Hui Eun Kim (kookmin university)
- 1A-003** Coatable Black Electrochromic Film Using Functional Nanoparticle Dispersion Ink  
Kazuki Tajima (National Institute of Advanced Industrial Science and Technology (AIST))
- 1A-004** Chemical Reactivity-Controlled Synthesis of Silver Chalcogenide CQDs for SWIR Photodetectors  
Dayoung Kang (kookmin university)
- 1A-005** Crystal Growth and Structural Control of C<sub>60</sub> using Mixing Solvent by Mist-Vapor Deposition method  
Risako Taguchi (National Institute of Technology, Tsuyama College)
- 1A-006** Electrophoretic photonic crystals utilizing diverse microspheres, enabling low-power consumption displays  
Yunsang Lee (Sejong university)
- 1A-007** SN2-mediated decoupled precursor provision enables large-scale production of monodisperse lead halide perovskite quantum dots in a single reactor  
YuBin Lee (Kookmin University)
- 1B-001** Polarized Light-induced Molecular Reorientation of Dye-doped Liquid Crystals Containing Acrylic Monomers  
Soichiro Koyama (Institute of Science Tokyo)
- 1B-002** Halogenated Benzothiazolium Crystals for Efficient THz Wave Generation Efficiency Enhanced Strategy  
Joo Won Shin (Ajou University)
- 1B-003** Nonlinear changes in molecular reorientation and light absorption properties of dye-doped liquid crystals  
Yuya Nakata (Institute of Science Tokyo)
- 1B-004** Flexible Chiral Nanocellulose-Based Photodetectors for NIR Circularly Polarized Light Sensing  
Saewon Kang (Korea Research Institute of Chemical Technology(KRICT))
- 1B-005** New Organic Salt Crystals with Anion Engineering for Wide Phonon-Free Terahertz Generation  
Jung-Wook Park (Ajou University)
- 1B-006** Rational Designing of New Organic Nonlinear Optical Quinolinium Crystals with Ultralarge Optical Nonlinearity  
Jungkwon OH (Ajou University)
- 1C-001** Development of Dual-Mode Vibrational and Electronic Sum-Frequency Generation Spectroscopic System for Operando Characterization of Organic Functional Materials  
Takayuki Miyamae (Chiba University)
- 1C-002** Correlation between the Spatial Frequency of Random Ag Nanograins and Plasmon-Enhanced Emission of Quantum Dots Analyzed via FFT and STFT  
Atsushi Okada (Osaka Metropolitan University)
- 1C-003** Emission Spectral Control in OLEDs via Coupling between Surface Plasmon and Microcavity Modes  
Takayuki Kiba (Kitami Institute of Technology)
- 1C-004** Impact of the Scale of Buckling Layer on the Emission Characteristics of Top-Emitting Organic Light Emitting Diodes  
Na Min Kim (Dankook University)
- 1C-005** Distribution of Applied Voltage in Bilayer Exciplex-Type Organic Light-Emitting Diodes  
Takeshi Yasuda (National Institute for Materials Science)
- 1C-006** Optimization of Synergist Structures for Improving Dispersion Stability of Copper Phthalocyanine Pigment  
Seon Young Park (Ajou University)

- 1C-007** Red Fluorescent Materials of Eu(III) Complexes using Fluorinated Diketones and Brominated Phenanthroline Derivatives  
Naoki Ohtani (Doshisha University)
- 1C-008** Magnetic Field-Induced Circularly Polarized Luminescence and Circularly Polarized Electroluminescence from Ir-complexes with Fluorine-substituted 2-Phenylpyridin  
Yoshitane Imai (Kindai University)
- 1C-009** Direct Probing of Non-radiative Transition Pathways in Green Hyperfluorescent Organic Light Emitting Diodes  
Sung Yeol Lim (Sungkyunkwan University)
- 1C-010** A new pyrene blue emitter through charge transfer control  
Jeongmin Han (Kyunghee University)
- 1C-011** Synthetic method of pure-red emissive perovskite quantum dots under ambient conditions for quantum-dot LED  
Kenshin Yoshida (Yamagata University)
- 1C-012** Comparative Analysis of Green and Blue TADF Layers for Enhanced Red QLED Performance  
Byung-Doo Chin (Dankook University)
- 1D-001** Organic solar cell using lignin as active layer material  
Shunsuke Konnai (Niigata University)
- 1D-002** Synthesis of Unsymmetric  $\pi$ -Conjugated Polymer Based on Diketopyrrolopyrrole and Their Photovoltaic Characteristics  
Ryosuke Kamimura (The University of Osaka)
- 1D-003** Performance Improvement of PBDB-T/Y6 Organic Solar Cells with Solution-Processed Layered Structure.  
Shunya Nomura (Osaka University)
- 1D-004** Photophysical Investigation on Recombination Losses in Green Solvent Processed All Polymer Solar Cells  
Hui Chan Ahn (Sungkyunkwan University)
- 1D-005** P-i-n Structure Devices for Near-Infrared Wavelength-Selective Organic Solar Cells Using Tin (IV) 2,3-Naphthalocyanine Dichloride  
Tomonori Imamura (The University of Osaka)
- 1D-006** Development of New ITIC Isomers for Non-Fullerene Acceptors in Organic Solar Cells  
Kai Wang (The University of Osaka)
- 1D-007** Optical and Electrochemical Properties and X-Ray Crystal Structures of Halogen-Substituted Squaraine Dyes with Intramolecular Hydrogen-Bonds  
Takeshi Maeda (Osaka Metropolitan University)
- 1D-008** Slowing Down Perovskite Crystallization for Enhanced Open-Circuit Voltage in Wide-Bandgap Perovskite Solar Cells  
Luo Hao (Osaka University)
- 1D-009** In Situ Heating WAXS Analysis of Crystallization Dynamics in FAPbI<sub>3</sub> Films  
Naoyuki Shibayama (Toin University of Yokohama)
- 1D-010** Mechanochemical Pretreatment of Tin Iodide Perovskite Precursors: Impacts of Grinding Temperature and Time on Solar Cell Performance  
Tingting Liu (Osaka University)
- 1D-011** Ortho-Fluorine Substituted Triphenylamine-Based Hole Transport Materials for Stable Perovskite Solar Cells: Influence of Planar Versus Non-Planar Linkers  
Telugu Bhim Raju (Kyushu university)
- 1D-012** Novel organic buffer materials for improved performance and stability in perovskite solar cells  
Doyeong Yeo (Hanyang University)
- 1D-013** Synthesis of Syn- and Anti- Type Bifacial Truxene with Amino Group and Application to Lead Perovskite Solar Cells  
Taiga Fujiwara (Osaka University)

- 1D-014** Surface Ligand-Driven Dimensional Control of CsPbI<sub>3</sub> Perovskite Nanocrystals for Optoelectronic Device  
Jaehyuk Kim (Kookmin University)
- 1D-015** Photovoltaic and Electrochemical Properties of V<sub>2</sub>CTx MXene-based Solar Cells and Lithium Ion Batteries  
Yoon Soo Han (Daegu Catholic University)
- 1H-001** Evaluation of the surface diffusion length of pentacene from nucleation behavior on cylindrical mesa structures with different radii  
Kohei Takai (Shizuoka University)
- 1H-002** Electric-Field-Induced Deposition of Rubrene  
Kazuya Tada (University of Hyogo)
- 1H-003** Formation and Electronic Structure of Octithiophene Thin Films on Si(111)-√3×√3-Ag Surface  
Toshiyuki Kakudate (Sendai KOSEN)
- 1H-004** Stability of Partially Imidized Polyimide Film Containing Azobenzene in the Backbone Structure to UV Light  
Kiyoaki Usami Osaka Sangyo University
- 1H-005** Evaluation of monomer penetration characteristics in vapor deposition polymerization for conformal coating on filtration membrane  
Hironori Suzuki (Shizuoka University)
- 1H-006** Substrate temperature dependence of dipole out-of-plane orientation in vapor-deposited polyurea thin films  
Tatsumi Kitamura (Shizuoka University)
- 1H-007** Vittrification of One-Dimensional Copper(I) Coordination Polymers and Evaluation of Semiconductor Properties  
Kanaha Kitano (Kwansei Gakuin University)
- 1H-008** Impact of substituent species on crystal structure and photoconductivity in lead(II) halogen-substituted benzenethiolate coordination polymers  
Miyu Inoue (Kwansei Gakuin University)
- 1H-009** Variation of Molecular Orientation in Organic Semiconducting Crystals Grown in Liquid Crystalline Solvent by Control of Surface Energy  
Shunsuke Natsume (Nagaoka University of Technology)
- 1H-010** Synthesis and Phase Transition of Two-Dimensional Lead(II) Coordination Polymers with Long Alkyl Chain  
Shunya Takamura (Kwansei Gakuin University)
- 1H-011** Coordination Interaction of Gd Metal-Organic Frameworks and Bismuth Halides for Efficient X-ray Shielding  
Junghwan Kim (Pukyong National University)
- 1H-012** Thermal Conducting Properties and Self-Assembly of PEG-Based Side-Chain Liquid Crystalline Polymers with Various Aliphatic Spacers  
Eunseo Nam (Kyungpook National University)
- 1H-013** Tailoring Alkyl Chains to Modulate Thermal Conductivity and Material Properties in Side-Chain Mesogenic Epoxy Polymers  
Thu Loan Dang (Kyungpook National University)
- 1H-014** Perovskite Triplet-sensitizing Matrix for Room-Temperature Phosphorescence of Pyrene  
Hinako Ebe (Yamagata University)
- 1H-015** Photoluminescence Modulation and Halide Ion Exchange Reaction in Self-Assembled Lead Halide Perovskite Nanocrystal Hetero-Multilayers  
Nobuaki Matsui (Kyushu University)
- 1H-016** Improving the Photostability of CsPbBr<sub>3</sub> Nanocrystals via Spacer-Length-Controlled Sulfobetaine Ligands  
Takuro Iizuka (Yamagata University)
- 1H-017** Morphology-Dependent Modulation of Photo-Induced Phase Segregation in Self-Assembled Mixed-Halide Perovskite Nanocrystal Films  
Fuga Suzuki (Kyushu University)

- 1H-018** Highly Bright and Stable Core-Shell Lead Halide Perovskite Nanocrystals with Controlled Crystallographic Dimensions  
Jae Woo Kim (Kookmin University)
- 1H-019** Evaluation of Energy Transfer from CsPbBr<sub>3</sub> Perovskite Nanocrystals to Cyanine Dyes by a Single-Particle Spectroscopy  
Seiju Koyama (Kwansei Gakuin University)
- 1H-020** Fluoride uptake from water by porous carbons modified with Fe<sup>3+</sup>  
Shota Yao (Chitose Institute of Science and Technology)
- 1H-021** Examination of graphene exfoliation method by electrochemical technique using powdered graphite  
Yuto Matsuo (Saga University)
- 1H-022** Stability of printed electrodes using hydrophilic carbon materials  
Saya Matsumoto (Saga University)
- 1H-023** Effect of Surfactants on the Electrical Properties of Inkjet-Printed Semiconductive CNT Films Analyzed by Impedance Spectroscopy  
Kyohei Shiota (Kyushu University)
- 1H-024** Temperature-dependent adhesive properties of thermoresponsive copolymers: effect of CNT doping  
Shunpei Ono (Chitose Institute of Science and Technology)
- 1H-025** Development of MwHG/PEDOT:PSS composite conductive ink and investigation for electrode application  
Ryota Fukuhara (Saga University)
- 1H-026** Estimating key factors for self-organized, aligned CNT film formation by machine learning  
Miki Ikeda (Kyoto Institute of Technology)

## Poster Session 2

17:20 - 18:30, Wednesday, August 27, 2025

*Conference Room 1004-1007*

- 2C-001** Development of Organic Laser Dyes Based on Stilbene Oligomers  
Masashi Mamada (Kyoto University)
- 2C-002** Multilayered inverted polymer-based LEDs with transparent top-electrode  
Eiji Itoh (Shinshu University)
- 2C-003** High Quantum Yield NIR Emission via Charge-Separated States in Buckybowl-TPA based D-A Systems  
Yumi Yakiyama (The University of Osaka)
- 2C-004** Bulky Adamantane-Modified N-Type Host for Enhanced Efficiency and Stability in Blue PhOLEDs  
Hyun Woo Kim (dankook university)
- 2C-005** Synthesis of bipolar hosts based on carbazole moiety for red phosphorescent OLEDs  
Hayeon Kim (Kyung Hee University)
- 2C-006** Enhanced Performance of Upconversion Organic Light-Emitting Diodes Using Alkylated Soluble Fullerenes  
Kazuki Kojima (Osaka Metropolitan University)
- 2C-007** Thermally Activated Delayed Fluorescence Properties of Intramolecular Charge Transfer Dyes Based on a Quinoxaline Electron-Acceptor Scaffold  
Hiroaki Chihara (Osaka Metropolitan University)
- 2C-008** Nanoparticle Array Blue Thermally Activated Delayed Fluorescent (TADF) OLEDs  
Malek Mahmoudi Sharabiani (University of Turku)
- 2C-009** Synthesis and Properties of D- $\pi$ -A- $\pi$ -D Molecule Containing Thianthrene as a New  $\pi$ -Linker  
Yudai Imotani (The University of Osaka)
- 2C-010** Synthesis of green multiple resonance thermally activated delayed fluorescence materials with deep HOMO and LUMO  
Taehwan LEE (Kyoto University)
- 2C-011** A Deep-Blue t-DABNA-Based MR-TADF Material Featuring Acridine Donors for High-Efficiency OLEDs  
Bong Gyun Jang (Dankook University)
- 2D-001** Fluorinated Azide Crosslinking for Photoactive Layer Stabilization in Organic Solar Cells  
Ji Soo Kim (Ewha Womans University)
- 2D-002** Suppressed nonradiative recombination voltage loss in organic photovoltaics with self-assembled molecules  
Jihun Jeon (Kyoto University)
- 2D-003** Synthesis, properties and photovoltaic characteristic of 1,2,3-benzotriazole-containing nonfullerene acceptor toward agrivoltaics  
Naoya Tagashira (Osaka University)
- 2D-004** Effects of additives on electronic properties of conventional and inverted organic photovoltaics based on PBDB-T:ITIC  
Yuta Takenaka (Osaka Metropolitan University)
- 2D-005** Development of organic semiconductor molecules with small exciton binding energies  
Seihou Jinnai (The University of Osaka)
- 2D-006** Photophysical and Photovoltaic Properties of Non-Fullerene Acceptor Based on Thioalkylated Thienoazacoronene Unit  
Ryogo Hara (University of Hyogo)
- 2D-007** Control of Crystallinity and Morphology of Antimony-Based Thin Films via Vapor-Assisted Crystallization  
Shosuke Murayama (Osaka University)

- 2D-008** Controlled Crystallization for Defect Passivation in Anti-solvent Free Perovskite Solar Cells using Alkali Metal Salt Additives  
Inho Bae (Ajou University)
- 2D-009** Analysis of Carrier Dynamics in Perovskite Solar Cells Using Light-triggered Time Domain Reflectometry  
Ryuichi Tokuyama (Chiba University)
- 2D-010** Surface passivation with organic molecules in perovskite solar cell: the impact of  $\pi$ -conjugation length  
Toshinori Matsushima (Kyushu University)
- 2D-011** Modulating Interaction of Zwitterion Toward Rational Interface Engineering for Efficient and Stable Perovskite Solar Cells  
Hangyeol Kim (POSTECH)
- 2D-012** Photovoltaic Properties of Polymer Film Electrolytes with  $\text{Mn}_2(\text{OH})_3\text{Cl}$  on Dye-Sensitized Solar Cells  
Mi-Ra Kim (Dong-Eui University)
- 2E-001** High Performance Aluminum Solid Electrolytic Capacitors using Self-doped Poly(3,4-ethylenedioxythiophene)  
Yuxin Jing (University of Yamanashi)
- 2E-002** Side-Chain Engineering of Conjugated Polymers for Stable and Efficient Organic Supercapacitors  
Hyosun Lee (Kyungpook National University)
- 2E-003** Realizing a high-performance n-type thermogalvanic cell by tailoring the thermodynamic equilibrium  
Sungryong Kim (Pohang University of Science and Technology (POSTECH))
- 2E-004** Counterion-enhanced chemical doping of semiconducting carbon nanotubes revealed by electrochemical quartz crystal microbalance  
Yusei Hayashi (Kyoto Institute of Technology)
- 2E-005** Fabrication of PLZT thin films on Si substrate for optical modulator  
Hikari Okumura (Kyushu University)
- 2E-006** Performance Enhancement of Droplet-based Electricity Generators Using Sol–Gel Synthesized Ti–PDMS Hybrid Dielectric Layers  
Yusuke Aoki (Mie University)
- 2E-007** Photophysical Investigation of Charge-Coupled Ion Dynamics in Dielectric Environment  
Min Sung Kim (Sungkyunkwan)
- 2E-008** Evaluation of Porous Electrodes Formed by Cu Fine Particles  
Atsushi Hyono (National Institute of Technology, Asahikawa College)
- 2E-009** Unveiling Charge Transport Mechanisms in Bismuth-Chalcogenide-Halide Compounds via Time-Resolved Microwave Conductivity  
Kejing Zhang (Osaka University)
- 2F-001** Wavelength-Dependent Memory Characteristics of Pentacene-Based Floating-Gate Transistors for Optoelectronic Applications  
Kazuki Nakagawa (Osaka Metropolitan University)
- 2F-002** Lifetime-Enhanced, Highly Stable Quantum Dot-Based Memory Device Using Butylated Hydroxytoluene  
Ok-Geun Kim (Kyungpook National University)
- 2F-003** DNTT-Based Organic Floating-Gate Memories with Enhanced Hole Storage Characteristics Toward Organic NAND Flash Memory  
Keita Yamazaki (Osaka Metropolitan University)
- 2F-004** Donor-Acceptor Copolymer Semiconductors with Thiophene-Vinylene-Imide  
Seungjin Song (Chung-Ang University)
- 2F-005** Doubly Linked Azulene Dimer: A Novel Non-benzenoid Isomer of Perylene  
Ryoji Hatakenaka (Kyoto University)
- 2F-006** Tetraarylhexasene: a new  $\pi$ -extended rubrene derivative  
Toshiyuki Hamura (Kwansei Gakuin University)

- 2F-007** n-Type OFET Properties of Quinoidal Propylenedioxythiophene Dimers: Molecular Design toward Air Stability, Solution Processability, and Crystallinity  
Hiroshi Nishimoto (The Institute for Solid State Physics, The University of Tokyo)
- 2F-008** Precisely Controlled Aryl-Coupling in Alternating Conjugated Polymers for OFET Applications  
Hyeonwoo Jung (RIKEN)
- 2G-001** Recycled algae residue-based biodegradable substrates derived from sustainable aviation fuel extraction for flexible biosensor applications  
Chun-Yen Chen (National Cheng Kung University)
- 2G-002** Construction and Characterization of Two-Dimensional Copper–Hexaaminodehydrobenzoannulene Frameworks  
Enzo Ohkubo (The University of Osaka)
- 2G-003** Optical VOC Gas Sensing Using Electrospun Porous Luminescent Nanofiber Films  
Jiyoung Boo (Inha University)
- 2G-004** Inverse Opal Hydrogel Sensors from 3D Photonic Balls  
Eunbyeol Cha (Sejong University)
- 2G-005** Chemiresistive sensing with oriented covalent organic framework films prepared via a solution-deposition-polymerization approach  
Sora Yamazaki (The university of osaka)
- 2G-006** PFAS-Free, Antifouling, and Optically Transparent Surfaces for Next-Generation Displays  
Hye Won Jang (Dankook University)
- 2G-007** High-Sensitivity pH Sensors Based on VO<sub>x</sub>/WO<sub>3</sub> Mixed Thin Films Prepared by Chemical Solution Deposition toward Biosensing Applications  
Aoi Yamamoto (Osaka Institute of Technology)
- 2H-001** Long-lived Charge Carriers in Nanoparticles Based on Organic Semiconductors  
Kazuki Kohzuki (Kyoto University)
- 2H-002** Chirality Effects on Molecular Assembly Structure, Phase Transition Behavior, and Dynamics in Rod-shaped Tetradecylammonium Camphorsulfonate Salts  
Takumasa Ogasawara (Tohoku University)
- 2H-003** Solvent Inclusion Behavior and Molecular Dynamics of Host-guest Crystals with Tetra[2,3]thienylene with Halogen Groups  
Genki Saito (Tohoku University)
- 2H-004** Thermal Polymerization behavior of acrylate monomers under thermal polymerization using the photothermal effect  
Tomoki Watanabe (Institute of Science Tokyo)
- 2H-005** Ferroelectric-like double P–E hysteresis in plastic crystalline phase of succinonitrile  
Nozomi Onodera (Tohoku University)
- 2H-006** Effect of Light Irradiation Conditions on Adhesion Properties of Molecular Layers Containing Anthracene Photodimers  
Kento Higa (Institute of Science Tokyo)
- 2H-007** Excited-State Dynamics of Donor-Acceptor Photoacids tuned by acceptor substitution and solvent polarity  
HyunSun Jeong (Ewha Womans University)
- 2H-008** Structural Design of Polyimides with Varied Side Chains for Enhanced Dielectric Properties  
Ju Hyeon Lee (Yeungnam University)
- 2H-009** Adjusting Structural Ordering to Control Optoelectronic Properties via Side Chain Engineering of D-A Type Conjugated Copolymers  
Jaedoo Nam (Kyungpook National University)

- 2H-010** Fabrication of plasmonic WGM resonators exhibiting photoluminescence amplification by propagating surface plasmon  
Seina Miyamoto (University of Hyogo)
- 2H-011** A probe for Raman-Enhancement Prepared by Electroplating of Silver Clusters on Polystyrene Particles  
Kokoro Ohno (National Institute of Technology, Asahikawa College)
- 2H-012** Focusing Grating Device for Laser Cooling of Ion-trap Computer  
Masaya Miyata (Kyushu University)
- 2H-013** Control of One-Dimensional Arrangement of Quantum Dots Using Molecular Assemblies and Energy Transfer among the Quantum Dots  
Megumi Tomonaga (Kwansei Gakuin University)
- 2H-014** Preparation of few-layer graphene using expansion by penetrating cold water into graphite intercalation compounds  
Yuki Ishii (Saga University)
- 2H-015** Photocatalytic decomposition of organic dyes using graphitic carbon nitride modified with UV irradiation  
Yuji Hara (Chitose Institute of Science and Technology)
- 2H-016** Dispersibility control of natural graphite by TEMPO oxidized cellulose nanofiber and application for electrodes of AC-driven EL devices  
Kento Kojiro (Saga University)
- 2H-017** Adsorption Ability and Modification of Cellulose Nanofiber Porous Membranes  
Shota Fujiwara (Saga University)
- 2H-018** Effect of CNT content on the IR-responsive deformation properties of CNT-PNIPAM/PEGDA bilayer hydrogels  
Iori Sasaki (Chitose Institute of Science and Technology)



## Poster Session 3

9:00 - 10:10, Thursday, August 28, 2025

*Conference Room 1004-1007*

- 3D-001** Development of Tetraphenylethylene-cored  $\pi$ -Conjugated Molecules: The Influence of Molecular Ordering on Exciton Binding Energy  
Hiroki Mori (The University of Osaka)
- 3D-002** Design and Characterization of Non-Covalently Fused Small Molecule Acceptors for Near-Infrared Organic Solar Cells  
Yejin Kim (KRICT)
- 3D-003** Development of novel semiconducting polymers based on thienobenzobisthiazole and their application to organic photovoltaics  
Mayu Tomita (Graduate School of Advanced Science and Engineering, Hiroshima University)
- 3D-004** Photo-Illuminated Kelvin Probe Force Microscopy for Local Photovoltage Mapping in Polymer Solar Cells  
Chitlada Mani-Lata (Nara Institute of Science and Technology)
- 3D-005** Study of SRH Recombination Processes in Organic Photovoltaics Using Modulated Photocurrent Measurements  
Kotaro Miyaji (Osaka Metropolitan University)
- 3D-006** Chiral Bifacial Non-Fullerene Acceptors: A Homochiral Strategy to Improve Organic Solar Cell Performance  
Shuang Li (Osaka University)
- 3D-007** Separation of 2-ethylhexyl-substituted cyclopentadithiophene stereoisomers and its impact on torsion angle of donor–acceptor–donor linked molecules  
Kenta Yamada (University of Hyogo)
- 3D-008** Wavelength-Operating Optoelectronic Memory Based on Internal Photochemical Reaction  
Tai Kobayashi (Osaka University)
- 3D-009** Effect of Co-Evaporant Induced Crystallization on C<sub>60</sub> thin film Growths  
Toshihiko Kajii (Tokyo University of Agriculture and Technology)
- 3D-010** Effects of Cyano Unit on Performance of Non-Fullerene Acceptors for Near-Infrared Organic Photodetectors  
Hee Jin Kwak (Ajou University)
- 3D-011** Development of Boron-Bridged Indacenodipyrrole Derivative For NIR-II Responsive Photodetector  
Haruki Nishimura (The University of Osaka)
- 3D-012** Friction-transfer of Titanium Oxide for Use in Inverted-type Organic Photovoltaic Cells  
Hibiki Okamoto (National Institute of Technology(KOSEN), Nara Collage)
- 3D-013** Toward submicron inkjet-printed ZnO microdots with suppressed coffee-ring effect for solar cell applications  
Soonil Hong (Korea Research Institute of Chemical Technology)
- 3E-001** Solvent Etching of Paraffin for CNT-Based Microdevice Applications  
Yang-Hwo Park (Ajou university)
- 3E-002** Data-Driven Prediction of the Thermoelectric Properties of CNT Yarn  
Aian Briones Ontoria (Nara Institute of Science and Technology)
- 3E-003** Synthesis and Thermoelectric Properties of 1D Organic-Metal Complexes with Thiophene-Based Ligands  
Keigo Kishida (Osaka Institute of Technology)
- 3E-004** Optimizing Organic Thermoelectric Properties through Molecular Engineering of Conjugated Terpolymers.  
Kwangil Jo (Ajou University)
- 3E-005** Theoretical Study of Seebeck Effect in Long-Range Transport Molecular Wires  
Tatsuhiko Ohto (Nagoya University)

- 3E-006** Donor Engineering in Thienoisindigo-based Donor-Acceptor Conjugated Polymers for Efficient Organic Thermoelectric Devices  
Sang Hoon Shin (Ajou Univeristy)
- 3E-007** Enhanced Thermoelectric Properties in Metal Alkynyl Molecular Junctions  
Yuya Tanaka (Institute of Science Tokyo)
- 3E-008** Transpiration-Thermoelectric-Driven Multi-Energy Harvester using Conjugated Polymers  
Yang Hun Nam (Ajou University)
- 3F-001** Machine Learning-assisted Design and Characterization of Dithienobenzothiazole-Based Organic Semiconductors  
Yasunori Matsui (Osaka Metropolitan University)
- 3F-002** Improved Electrical and Synaptic Characteristics of Diketopyrrolopyrrole-Based Thin-Film Transistors by Enhanced Intermolecular Interaction  
Fu-Chiao Wu (National Cheng Kung University)
- 3F-003** Improved Charge Storage Characteristics in Electrically Programmable Organic Floating-Gate Memories by Incorporating Soluble Fullerenes  
Takashi Nagase (Osaka Metropolitan University)
- 3F-004** Tetrabenzo-10-Heterocorroles as  $\pi$ -Extended Porphyrinoid Semiconductors  
Keitaro Yamamoto (Kyoto University)
- 3F-005** Solvent Effect on Electrical Synaptic Properties of Benzodithiophene-Based Organic Neuromorphic Transistors  
Kai-Lun Su (National Cheng Kung University)
- 3F-006** Synthesis of Fused-Ring Quinoidal Oligothiophenes with a Dibenzo-Sexithiophene Core and Its Semiconducting Characteristics  
Yue Zhang (The University of Osaka)
- 3F-007** Single-crystal Organic Field-effect Transistors of Unsymmetric Tetrabenzoporphyrin  
Kazuya Miyazaki (Kyoto University)
- 3F-008** High-Performance Organic Nonvolatile Memory Enabled by Vacuum-Deposited Semiconductors and Solution-Processed Floating-Gate Layers  
Ryo Endo (Osaka Metropolitan University)
- 3F-009** Impact of Organic Materials Properties on Vertical Organic FETs Based on Reduced Graphene Oxide  
Naoyuki Kosaka (Osaka University)
- 3G-001** Development of a novel planar lipid bilayer system for ion channel analysis using membrane horizontal voltage  
Maki Komiya (Tohoku University)
- 3G-002** Fabrication of 20 nm Through-Hole Via for Solid-State Au Nanopore DNA Sequencing  
Yoshimasa Hiirō (Institute of Science Tokyo)
- 3G-003** Evaluation of the Translocation Rate of Fecal EVs into the Bloodstream  
Sota Manabe (Hokkaido University)
- 3G-004** Artificial Tactile Sense with 3D Flexible Device  
Masatoshi Sakai (Chiba University)
- 3G-005** Membrane Thickness Dependence of Through-Hole Via Resistance in Solid-State Gold Nanopores  
Yoh Onozawa (Institute of Science Tokyo)
- 3G-006** Development of Conjugated Polymers from Pharmaceutical Intermediates for High-Performance Panchromatic Organic Photodetectors and Fingerprint Image Sensors  
Myeong In Kim (Hanyang University)
- 3G-007** Evaluation of Polypyrrole Thin Film Electrodeposition for IgG Detection Using a Hybrid Sensor of Surface Plasmon Resonance and Quartz Crystal Microbalance  
Reaksmey Ek (Niigata University)
- 3G-008** Developing an Extended Gate FET Glucose Sensor with PEDOT:PSS as a Responsive Sensing Layer  
Kengo Mori (Osaka Institute of Technology)

- 3G-009** Enzyme-immobilized ratiometric fluorescence biosensor for biomarker detection  
Gyu Won Hong (Chungnam National University)
- 3H-001** Synthesis and Characterization of High Dielectric Constant via Diamine Structure Control  
Kyung Yun Kang (Yeungnam University)
- 3H-002** Reducing-agent-free Barton–Kellogg Synthesis of (N-Phenylfluorenylidene)quinacridanes with Chromic and NIR Absorption Properties  
Xue-Lin Zheng (Nagoya University)
- 3H-003** Synthesis and Properties of Optically Active  $\pi$ -Stacked Molecules Containing Anthracenes  
Takuma Ito (Kwansei Gakuin University)
- 3H-004** Unique Magnetic Properties of Croconaine Dyes with Intermediate Diradical Character  
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