Poster presentations（Alphabetized by Family Name）

P001 Low energy loss, highly efficient and stable oligomeric solar cells

○Dan Deng, Zhixiang Wei

National Center for Nanoscience and Technology

P002 High-performance organic thermoelectric materials: From precise doping to device functionalization

○Chong-an Di

Institute of Chemistry, Chinese Academy of Sciences

P003 Tackling Challenges in Organic Spintronics: From Spinterface to Device Performance

○Shuaishuai Ding, Wenping Hu

Tianjin University

P004 Synthesis and Physical Properties of Dimethylcyclohexene-Fused TTF

○Masahiro Fujisaki, Takashi Shirahata, Yohji Misaki

Ehime University

P005 New CT-Complex α'-STF_2IBr_2 with a Series of Dirac Cones

○Koki Funatsu, Ryuhei Oka, Toshio Naito, Naoya Tajima

Ehime University

P006 Shear Stress Effects on Optical Properties of Metal Phthalocyanines

○Takekatsu Hamada, Nobutsugu Hamamoto, Makoto Inokuchi

Sanyo-Onoda City University

P007 Theoretical study on solid state electronic properties of subphthalocyanine

○Nobutsugu Hamamoto, Makoto Inokuchi, Hitoshi Fujimoto

Sanyo-Onoda City University

P008 Theoretical study on graphdiyne based intelligent catalytic system

○Feng He, Yuliang Li

Institute of Chemistry, Chinese Academy of Sciences

P009 Dielectric response and doping effect of $[Ni(dmit)_2]$ crystals with pseudo-polyrotaxane structure

○Mamiko Horikawa, Kiyonori Takahashi, Koki Hirose, Rui Kang Huang, Chen Xue, Jiabing Wu, Takayoshi Nakamura

Hokkaido University

P010 Application of Graphdiyne in Methanol Oxidation Reaction

○Lan Hui, Yuliang Li

Institute of Chemistry, Chinese Academy of Sciences

P011 Electrical Polarization in a Valence-Tautomeric Cobalt Complex Detected via Temperature Modulated Pyroelectricity Measurements

○Shimon Ikenaga, Feng Cheng, Osamu Sato, Kaoru Yamamoto

Okayama University of Science

P012 Ferromagnetic Organic Semiconductors-Chemical Contributions to the Frontiers of Condensate Physics

○Qinglin Jiang, Yuguang Ma

South China University of Technology

P013 Pressure effects on optical properties in single crystals of thiophene/phenylene co-oligomer

○Tomomi Jinjyo, Hitoshi Mizuno, Fumio Sasaki

Nara Institute of Science and Technology

P014 Orientation Analysis at the Interface of Organic Light-Emitting Diode Materials Using Sum-Frequency Generation Spectroscopy

○Tatsuya Kaburagi, Kazunori Morimoto, Takayuki Miyamae

Chiba University

P015 Ladder π-conjugated systems and their applications

○Meenal Kataria, Dong Hoon Choi, Shu Seki

Kyoto University

P016 Observation of Gap States and Excited States in Polar Organic Semiconductor Films Using Photoelectron Yield Measurement with Deep UV Light

○Masaya Kitaoka, Ryotaro Nakazawa, Hisao Ishii

Chiba University

P017 Magnetism of Mn-salen Dimers Isolated by Dibenzo[24]crown-8

○Yuri Kyoya, Kiyonori Tkahashi, Wataru Kosaka, Rui Kang Huang,
Xue Chen, Wu Jiabing, Hitoshi Miyasaka, Takayoshi Nakamura

Hokkaido University

P018 Optimization of molecular aggregates by structural modulation and external stimuli

○Qianqian Li

Wuhan Univesrity

P019 The role of energy level bending effect on the reduction of non-radiative loss for organic photovoltaics

○Shuixing Li, Tianyi Chen, Hongzheng Chen

Zhejiang University-Hangzhou Global Scientific and Technological Innovation Center

P020 Developing organic solar cells with promisingly high efficiency and stability

○Ning Li

South China University of Technology

P021 Giant Molecule Acceptor Enables Highly Efficient Organic Solar Cells Processed Using Non-halogenated Solvent

○Xiaojun Li, Yongfang Li

Institute of Chemistry, Chinese Academy of Sciences

P022 Self-assembly of 2D Conjugated Covalent Organic Framework into 1D Electronically Conductive Nanotubes

○Zhuowei Li, Takahiro Tsuneyuki, Samrat Ghosh, Takumi Nakazato, Masahiro Odawara, Wakana Matsuda, Masaki Nobuoka1, Bin Chen, Rajendra Prasad Paitandi, Yusuke Tsutsui, Takayuki Tanaka, Masayuki Suda, Yoshihiro Miyake, Hiroshi Shinokubo, Shu Seki

Kyoto University

P023 Adjusting Molecular Weight Optimizes Electronic Transport of Extrinsically N-type Doped Conjugated Polymer

Yazhuo Kuang, ○Jian Liu

Changchun Institute of Applied Chemistry, Chinese Academy of Sciences

P024 Structure and Physical Properties of (x-fluoroanilinium)(benzo[18]crown-6)[$Fe^{II}Cr^{III}(oxalate)_3$] Crystals

○Xiyang Liu, Jiabing Wu, Kiyonori Takahashi, Ruikang Huang, Chen Xue,
Takayoshi Nakamura

Hokkaido University

P025 Crystallinity and Energy Loss Control of Organic Photovoltaics

○Kun Lu, Zhixiang Wei

National Center for Nanoscience and Technology

P026 High-performance organic photovoltaic materials and tandem solar cells

○Lei Meng, Yongfang Li

Institute of Chemistry, Chinese Academy of Sciences

P027 Physical Properties and Alkylamide Chain Number Dependence of Triptycenecarboxamide Derivatives

○Ryohei Mizoue, Takashi Takeda, Mikiya Kato, Tomoya Fukui, Shoji Yoshiaki, Takanori Fukushima, Tomoyuki Akutagawa

Tohoku University

P028 Optical properties of microcavities with 5,5'-bis(4-biphenylyl)-2,2'-bithiophene nanocrystals

○Hitoshi Mizuno, Tomomi Jinjyo, Takaya Inukai, Kenichi Yamashita, Antonio Fieramosca, Laura Polimeno, Milena De Giorgi, Dario Ballarini, Daniele Sanvitto

Nara Institute of Science and Technology

P029 Synthesis and Properties of Molecular Conductors Based on Chiral Diselenadithiafulvalene (STF) Derivatives with Dimethyl-Ethylenedithio Group

○Ryoya Naito, Masahiro Fujisaki, Takashi Shirahata, Yohji Misaki

Ehime University

P030 Guest–Host Interaction Derived Circularly Polarized Luminescence (CPL) Dissymmetry Factor Enhancement Using Homochiral Single Gyroidal MOFs

○Kazuya Nakashima, Rie Suizu, Shuhei Morishita, Noriaki Tsurumachi, Masahiro Funahashi, Hyuma Masu, Ryuki Ozawa, Kazuki Nakamura, Kunio Awaga

Nagoya University

P031 Observation of Trap Formation in Degraded Quantum-dot Light-Emitting Diodes

○Quan Niu, Jiangxia Huang, Wenxin Lin

South China University of Technology

P032 Infrared microscope spectra of organic crystals under shear stress using a small sDAC

○Yukiko Ohtani, Tomoki Sakai, Nobutsugu Hamamoto, Inokuchi

Sanyo-Onoda City University

P033 Raman spectra of organic superconductor β-(BEDT-TTF)$_2$I$_3$ at room temperature and low pressure

○Haruka Ojima, Yuto Nakamura, Hideo Kishida

Nagoya University

P034 Quantifying the contribution of high-level reverse intersystem crossing in anthracene-derivatives based OLEDs

○Xianfeng Qiao, Dongge Ma, Yuguang Ma

South China University of Technology

P035 Triplet management and trap passivation for efficient perovskite emitting devices

○Chuanjiang Qin

Changchun Institute of Applied Chemistry, Chinese Academy of Sciences

P036 Conductivity and Redox Properties in a Porous Molecular Conductor Composed of Infinite π-Stacked Columns

○Liyuan Qu, Shinya Takaishi, Faiza Habib, Chanel F. Leong, Deanna M. D'Alessandro, Takefumi Yoshida, Masahiro Yamashita, Hiroaki Iguchi

Nagoya University

P037 Development and characterization of ferroelectric organic semiconductor: alkylamide substituted R-BTBT-CONHC$_{14}$H$_{29}$ (R= H, C$_8$H$_{17}$)

○Kohei Sambe, T. Takeda, S. Dekura, W. Matsuda, K. Tsujita, S. Maruyama, S. Yamamoto, S. Seki, Y. Matsumoto, T. Akutagawa

Tohoku University

P038 Structure and Thermoelectric Properties of Doped PBTTT-C$_{14}$

○Nichika Sato, Daichi Shimokawa, Yukio Furukawa

Waseda University

P039 Conjugated Polymers with Resonance of B, N Coordination Bond and B, N Covalent Bond

○Xingxin Shao, Jun Liu, Lixiang Wang

Changchun Institute of Applied Chemistry, Chinese Academy of Sciences

P040 Electrical Properties of Highly Conducting Polymer PEDOT

○Daichi Shimokawa, Yukio Furukawa, Tsuyoshi Asano

Waseda University

P041 Engineering Dirac cones and topological flat bands with non-planar π-conjugated molecules

○Yoshiaki Shuku, Rie Suizu, Saya Nakano, Masahisa Tsuchiizu Kunio Awaga

Nagoya University

P042 Band Structure of Self-assembled Honeycomb Lattice in the Monolayer of Trip-Phz on Ag(111)

○Rie Suizu, Ryohei Nemoto, Ryuichi Arafune, Takashi Uchihashi, Kunio Awaga

Nagoya University

P043 Cocrystal Engineering: A Collaborative Strategy toward Novel Functional Materials

○Lingjie Sun, Wenping Hu

Tianjin University

P044 The structure and electron-transporting property of phenazine bisimides

○Keita Tajima, K. Matsuo, H. Yamada, S. Seki, N. Fukui, H. Shinokubo

Nagoya University

P045 Physical properties and structural stability of porous molecular conductors with two-dimensional sheet structure

○Tappei Tanabe, Kenta Ueno, Liyuan Qu, Ryotaro Matsuda, Shinya Takaishi, Ryota Sakamoto, Hiroaki Iguchi

Tohoku University

P046 Polyethylene Glycol-decorated n-Type Conducting Polymers with Improved Alcohol Solubility and Accelerated Response

○Haoran Tang, Fei Huang

South China University of Technology

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Zhiqiang Cheng, ○Hui Tong, Lixiang Wang

Changchun Institute of Applied Chemistry, Chinese Academy of Sciences

P048 Exploring device properties of light-emitting electrochemical cells Using electroluminescence-detected ESR techniques

○Haruka Tsutsumi, Katsuichi Kanemoto

Osaka Metropolitan University

P049 Efficient Thermally Activated Delayed Fluorescence Polymers with Twisted Backbone

○Shumeng Wang, Junqiao Ding, Lixiang Wang

Changchun Institute of Applied Chemistry, Chinese Academy of Sciences

P050 Exciton regulation in organic materials with long luminescence lifetime

○Jiaqiang Wang, Zhen Li

Wuhan Univesrity

P051 Triggering ZT to 0.40 by Engineering Orientation in One Polymeric Semiconductor

○Dongyang Wang, Chong-an Di, Daoben Zhu

Institute of Chemistry, Chinese Academy of Sciences

P052 Exploring the thermoelectric performances of hybrid organic/inorganic chalcogenides

○Wei Xu

Institute of Chemistry, Chinese Academy of Sciences

P053 Zigzag- and Fjord-Edged Nanographene with Near-Infrared Chiroptical Properties

○Xiushang Xu, Akimitsu Narita

OIST

P054 Inorganic Chain Mediated Excitonic Properties in One-Dimensional Organic Lead Halide Perovskites

○Chen Xue, Sadafumi Nishihara, Kiyonori Takahashi, Ruikang Huang, Jiabing Wu, Takayoshi Nakamura

Hokkaido University

P055 Complete deciphering of the dynamic stereostructures of a single aggregation-induced emission molecule

○Caiyao Yang, Xuefeng Guo

Peking University

P056 Real-time monitoring of reaction stereochemistry through single-molecule observations of chirality-induced spin selectivity

○Chen Yang, Xuefeng Guo

Peking University

P057 ○Organic Conjugated Semiconductors for Photoelectrochemical Solar-to-Chemical Conversion
Liang Yao
South China University of Technology

P058 Molecular mechanisms of efficient organic photovoltaics
○Yuanping Yi
Institute of Chemistry, Chinese Academy of Sciences

P059 Single Crystal Growth and Charge Transport Characteristics of Cyclopenta-fused Polycyclic Aromatic Hydrocarbon Molecules
○Seiya Yokokura, Hirohiko Tanoguchi, Takuma Yuki, Toshihiro Shimada
Hokkaido University

P060 High-Mobility Ambipolar Benzodifurandione-Based Copolymers
Qian Che, Weifeng Zhang, ○Gui Yu
Institute of Chemistry, Chinese Academy of Sciences

P061 Charge Transport in Single Carbon Nanorings and Nanobelts
○Yaping Zang
Institute of Chemistry, Chinese Academy of Sciences

P062 High-electron-mobility donor−acceptor polymer semiconductor with fully locked conjugated backbone
○Weifeng Zhang, Keli Shi, Gui Yu
Institute of Chemistry, Chinese Academy of Sciences

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Liangkun Lu, DazhiWang, ○Zhiyuan Zhao
Institute of Chemistry, Chinese Academy of Sciences

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○Yuqing Zheng
Peking University

P065 Synthesis of a Monolayer Fullerene Network
○Jian Zheng
Institute of Chemistry, Chinese Academy of Sciences

P066 The Design and Applications of Membrane-intercalating Conjugated Oligoelectrolytes

○Cheng Zhou

South China University of Technology

P067 Dilution effect for high-performance multi-component organic photovoltaics

○Lijian Zuo, Hongzheng Chen, Alex K.-Y. Jen

Zhejiang University

P068 A Multiple Resonance Thermally Activated Delayed Fluorescence Core Toward Stable Organic Electroluminescence and Lasing

○Xun Tang, Chihaya Adachi

Kyushu University