[TuP] Poster Session Ⅱ	
Date / Time	July 3 (Tue.), 2018 / 19:00-21:00
Place	2F, Lobby

Topic 1: Organic Conductors and Superconductors
(TuP-001~TuP-019)

TuP-001

Single Crystals of Sandwich-Type Polyoxometalates $[(PW_9O_{34})_2(H_2OTb)_3CO_3]^{11-}$ with $(CH_3)_nH_{4-n}N+(n = 1-4)$ Counter Cations

Jiao Chen[1], Masaru Fujibayashi[2], Kiyonori Takahashi[1], Kazuya Kubo[3], Shin-ichiro Noro[1], and Takayoshi Nakamura[1]
[1]Hokkaido Univ., Japan, [2]Yamaguchi Univ., Japan, [3]Univ. of Hyogo, Japan

TuP-002

Study of The Molecular Crystals by Synchrotron X-ray Diffraction

Shunsuke Kitou[1], Kunihisa Sugimoto[2], Toshikazu Nakamura[3], and Hiroshi Sawa[1]
[1]Nagoya Univ., Japan, [2]JASRI, Japan, [3]IMS, Japan

TuP-003

Josephson Vortex Dynamics in FFLO Phase of Layered Organic Superconductor β''-$(BEDT\text{-}TTF)_2SF_5CH_2CF_2SO_3$

Shiori Sugiura[1], Shinya Uji[1], Hishiro Hirose[1], Taichi Terashima[1], Syuma Yasuzuka[2], and John A. Schlueter[3]
[1]NIMS, Japan, [2]Hiroshima Inst. of Tech., Japan, [3]Argonne Nat'l Lab., USA

TuP-004

Syntheses, Structures, and Properties of Novel Metal-Dithiolene Complexes with Hydrogen-Bonds

So Yokomori[1], Akira Ueda[1], Reiji Kumai[2], Youichi Murakami[2], and Hatsumi Mori[1]
[1]The Univ. of Tokyo, Japan, [2]KEK PF CMRC, Japan

TuP-005

Fabrication of Semi-Transparent and Flexible Organic Solar Cells

Kwanghee Lee1, Yeongjin Lee[1], Hongkyu Kang[1], Nara Kim[2], and Seok Kim[1]
[1]GIST, Korea, [2]Linkoping Univ., Sweden

TuP-006

Characterization of Crystal Structure and Physical Properties of The Novel Organic Salt, α-$(ET)_2NH_4Hg(SeCN)_4$

Akihiro Ohnuma[1], Shuhei Fukuoka[1], Yoshihiko Ihara[1], Hiromi Taniguchi[2], and Atsushi Kawamoto[1]
[1]Hokkaido Univ., Japan, [2]Saitama Univ., Japan

TuP-007

Electronic and Magnetic Properties of λ'-(BEDT-STF)$_2$GaBr$_4$

Kawaguchi Satoshi, Wada Takuma, Minamidate Takaaki, Matsunaga Noriaki, Kawamoto Atsushi and Nomura Kazushige
Hokkaidou Univ., Japan

TuP-008

Crystal Structures and Intrinsic Proton Conductivity of Anhydrous Organic Salts, Imidazolium Dicarboxylates

Yoshiya Sunairi, Akira Ueda, Junya Yoshida, Keisuke Suzuki, and Hatsumi Mori
The Univ. of Tokyo, Japan

TuP-009

Synthesis and Characterization of Electron AcceptingConjugated Polymers Achieved by Benzotriazolyl Bis(trifluoroborate)

Youngtae Kim, Hyun-Taek Oh, Seok-Heon Jung, and Jin-Kyun Lee
Inha Univ., Korea

TuP-010

Change of Electrical Properties of PEDOT:PSS Thin Films by Post-Treatment with Various Solvents

Hong Jang, Hyeokjo Jeong, and Felix Sunjoo Kim
Chung-Ang Univ., Korea

TuP-011

Manufacture of High-Intensity and Conductive Alginate Fiber Mixed with Carbon Nano Tube and Using Ion-Exchange Reactions.

Jae Ho Kim, Thu Nguyen, and Jun Young Lee
Sungkyunkwan Univ., Korea

TuP-012

Preparationand Characterization of Efficient Ionizing Materials of OLED Vacuum Deposition

Seung-Kyu Park, Sung-Woo Jeon, Sung-Woo Jeon, Soohuan Lee, Ran Hee Kim, and Kwang-Sup Lee
Hannam Univ., Korea

TuP-013

A Self-Aligned High Resolution Patterning Process for Large Area Printed Electronics

Won-Tae Park and Yong-Young Noh
Dongguk Univ., Korea

TuP-014

Experimental Search for Topological States in An Organic Dirac Fermion System, α-(BEDT-TTF)$_2$I$_3$

Mitsuyuki Sato, Kenta Yoshimura, and Toshihito Osada
The Univ. of Tokyo, Japan

TuP-015

Thermodynamic Property of Magnetic-Field-Induced Superconductor kappa-(BETS)$_2$FeBr$_4$

Takako Konoike[1], Takahide Yamaguchi[1], Taichi Terashima[1], Shinya Uji[1], Hideki Fujiwara[2], Bin Zhan[3], and Hayao Kobayashi[4]
[1]Nat'l Inst. for Materials Science, Japan, [2]Osaka Prefecture Univ., Japan, [3]The Chinese Academy of Science, China, [4]Nihon Univ., Japan

TuP-016

New Triangular Lattice BEDT-TTF Salt with Disorder-Free Anions

Tomeno Shinya, Yoshida Yukihiro, Mitsuhiko Maesato, and Hiroshi Kitagawa
Kyoto Univ., Japan

TuP-017

A Polythiophene-Based Conductive Polymer with Both Ionic and Electronic Conductivity for Lithium-Ion Battery Applications

Jong-Chan Lee, Na Kyung Kim, and Da Un Jung
Seoul Nat'l Univ., Korea

TuP-018

Characterization of Conjugated Polymerscomposed of Thiazolo[5,4-b]pyridine and Benzodithiophene in the Position of Functional Group

Hongsuk Suh, Juae Kim, Sangmin Chae, Ahra Yi, and Hyo Jung Kim
Pusan Nat'l Univ., Korea

TuP-019

Charge Carrier Scattering in Polymers: A New Neutral Coupled Soliton Channel

Geraldo Magela e Silva, Luiz Ribeiro, Fabio Monteiro, and Wiliam Cunha
Univ. of Brasilia, Brazil

Topic 2: π-Conjugated Molecule
(TuP-020~TuP-090)

TuP-020

Green to Blue Light Upconversion in Polymer Matrixes

Steponas Raisys, Povilas Adomenas, Karolis Kazlauskas, and Saulius Jursenas
Vilnius Univ., Lithuania

TuP-021

Bis-Tridentate Ir(III) Metal Phosphors for Efficient Deep-Blue Organic Light-Emitting Diodes

Hsin-Hung Kuo[1], Yi-Ting Chen[2], Leon R. Devereux[3], Chung-Chih Wu[2], Mark A. Fox[3], Chu-Yun Kuei[1], Yun Chi[1], and Gene-Hsiang Lee[2]
[1]Nat'l Tsing Hua Univ., Tawian, [2]Nat'l Taiwan Univ., Taiwan, [3]Durham Univ., UK

TuP-022

Room Temperature Phosphorescence towards Thermally Activated Delayed Fluorescence in Carbazole – Pyrimidine Cored Compounds

Tomas Serevicius, Tadas Buciunas, Jonas Bucevicius, Jelena Dodonova, Sigitas Tumkevicius, and Saulius Jursenas
Vilnius Univ., Lithuania

TuP-023

A Comprehensive Photophysical Study of Pyrimidine Dyes Containing Carbazoles and Aniline: The Interplay between Singlets and Triplets

Justina Jovaisaite[1], Gediminas Jonusauskas[2], Jelena Dodonova[1], Jonas Bucevicius[1], Sigitas Tumkevicius[1], and Saulius Jursenas[1]
[1]Vilnius Univ., Lithuania, [2]Bordeaux Univ., France

TuP-024

Ferroelectricity of Alkylamide-Substituted Helicene Derivatives

Hayato Anetai, Takashi Takeda, Norihisa Hoshino, Higashi Kobayashi, Nozomi Saito, Masanori Shigeno, Masahiko Yamaguchi, and Tomoyuki Akutagawa
Tohoku Univ., Japan

TuP-025

Synthesis and Light-Emitting Properties of Hyperbranched Conjugated Poly(Para-Phenylene Vinylene) Derivatives

Gyeongmin Ki and Taek Ahn
Kyungsung Univ., Korea

TuP-026

The Polymers of Organic π-Conjugated Self-Assembly and Aggregation Conformation

Yuanping Yi, Guangchao Han, and Lu Ning
Inst. of Chemistry Chinese Academy of Sciences, China

TuP-027

Molecular Assembly Structure and Physical Properties of Porphyrin Derivatives with –CONHC$_{14}$H$_{29}$ Group

Jianyun Wu[1], Takashi Takeda[2], Norihisa Hoshino[2], and Tomoyuki Akutagawa[2]
[1]Tohoku Univ., Japan, [2]IMRAM.Tohoku Univ., Japan

TuP-028

Graphene Oxide/Two-Dimensional Conjugated Polymer Composite as Effective Photocatalytic System for CO_2 Reduction

Shih-Hao Wang and Leeyih Wang
Nat'l Taiwan Univ., Taiwan

TuP-029

Development of Light-Emitting Semiconducting Coordination Polymers

Takashi Okubo, Toshiya Horii, Misaki Okita, Masahiko Maekawa, and Takayoshi Kuroda-Sowa
Kindai Univ., Japan

TuP-030

Crystal Structures and Electrical Conducting Properties of Semiconducting Coordination Polymers with Copper(I)-Bromide and Tetrazine Derivatives

Sanshiro Fukuda, Koki Tanishima, Kento Himoto, Takashi Okubo, Masahiko Maekawa, and Takayoshi Kuroda-Sowa
Kindai Univ., Japan

TuP-031

Vibrational Spectroscopy of Regio-Regular P3HT and Its Deutero Derivatives

Luigi Brambilla[1], Cristina Capel Ferròn[2], Matteo Tommasini[1], Kunlun Hong[3], Juan Teodomiro López Navarrete[2], Victor Hernández[2], and Giuseppe Zerbi[1]
[1]Politecnico di Milano, Italy, [2]Univ. de Málaga, Spain, [3]Oak Ridge Nat'l Lab., USA

TuP-032

Ethanol-Soluble Donor and Acceptor for Eco-Friendly Organic Solar Cells

Ziang Wu[1], Seungjin Lee[2], Yuxiang Li[1], Bumjoon Kim[2], and Han Young Woo[1]
[1]Korea Univ., Korea, [2]KAIST, Korea

TuP-033

Synergic Increase of Electrical Conductivity in Polypyrrole/Molybdenum Disulphide Composite

Udit Acharya, Patrycja Bober, Jaroslav Stejskal, and Jiří Pfleger
Inst. of Macromolecular Chemistry AS CR, Czech

TuP-034

Fused Perylene Diimide-Based Conjugated Polymers as The Acceptors for High-Performance All-Polymer Solar Cells

Yuli Yin, Ming Liu, Yong Zhang, and Liancheng Zhao
Harbin Inst. of Tech., China

TuP-035

Raman Spectroscopy in Organic Thin Film Technologies: Everything You Always Wanted to Know

Xabier Rodríguez-Martínez[1], Antonio Sánchez-Díaz[1], Aleksandr Perevedentsev[1], Michelle S. Vezie[2], Xingyuan Shi[2], Iain McCulloch[3], Jenny Nelson[2], Alejandro R. Goñi[1], Sebastian Reparaz[1], and Mariano Campoy-Quiles[1]
[1]Inst. de Ciència de Materials de Barcelona (ICMAB-CSIC), Spain, [2]Imperial College London, UK, 3KAUST, Saudi Arabia

TuP-036

Control in Molecular Assemblies and Physical Properties of Cation-Anion Pairs in Naphthalene Diimide Derivative

Ayumi Kawasaki[1], Takashi Takeda[1], Norihisa Hoshino[1], Takamitu Kikuchi[1], Wakana Mastuda[2], Shu Seki[2], and Tomoyuki Akutagawa[1]
[1]Tohoku Univ., Japan, [2]Kyoto Univ., Japan

TuP-037

Development of Hybrid Naphthalene-Based Nitrogen Containing Electron Deficient π-Systems for Organic Semicoductors

Tsubasa Mikie and Itaru Osaka
Hiroshima Univ., Japan

TuP-038

Water-Dispersible Hyperbranched Conjugated Polymer Nanoparticles for Amplifying Fluorescent Sensing of Trace TNT and Picric Acid

Xiaofu Wu, Hua Li, Hui Tong, and Lixiang Wang
Changchun Inst. of Applied Chemistry, Chinese Academy of Sciences, China

TuP-039

Molecular Assembly Structures and Dielectric Properties of Bis(alkylamide)-Substituted Benzene Derivatives

Moeko Kawana, Takashi Takeda, Norihisa Hoshino, and Tomoyuki Akutagawa
Tohoku Univ., Japan

TuP-040

Synthesis of All-Small-Molecule Solar Cells Incorporating NDI-Based Acceptors

YeonHee Ha[1], Jisu Hong[2], Hyojung Cha[3], Ran Kim[1], Yu Jin Kim[4], Chan Eon Park[2], James R. Durrant[3], Soon-Ki Kwon[1], Tae Kyu An[5], and Yun-Hi Kim[1]
[1]Gyeongsang Nat'l Univ., Korea, [2]POSTECH, Korea, [3]Imperial College London, UK, [4]Argonne Nat'l Lab., USA, [5]Korea Nat'l Univ.of Transportation, Korea

TuP-041

Molecular Tuning of D-A Type Polymers for Efficient Charge Transport in Organic Field-Effect Transistors

Kwang Hun Park[1], Seong Hoon Yu[2], Dae Sung Chung[2], Cheol Ho Kang[1], Yun-Hi Kim[1], and Soon-Ki Kwon[1]
[1]Gyeongsang Nat'l Univ., Korea, [2]DGIST, Korea

TuP-042

A Small Molecule based on Dithienophospholeoxide for Bulk Heterojunction Solar Cells

Jiyoung Choi[1], Jisu Hong[2], Tae Kyu An[3], Min Jae Sung[1], Yebyeol Kim[2], Yun-Hi Kim[1], Chan Eon Park[2], and Soon-Ki Kwon[1]
[1]Gyeongsang Nat'l Univ., Korea, [2]POSTECH, Korea, 3Korea Nat'l Univ. of Transportation, Korea

TuP-043

Development of Azasiline-Based Thermally Activated Delayed Fluorescence Emitter for Blue OLED

Yun-Hi Kim[1], You Heon Kim[1], Jang-Joo Kim[2], Soon-Ki Kwon[1], Jang-Yeol Baek[1], and Jin-Won Sun[2]
[1]Gyeongsang Nat'l Univ., Korea, [2]Seoul Nat'l Univ., Korea

TuP-044

Dithienobenzodithiophene-Based Small Molecule Organic Solar Cells via Additive- and Thermal-Annealing-Free Processing

Na Yeong Kim[1], Hyeng Gun Song[1], Yu Jin Kim[2], Ji Sang Lee[1], Chan Eon Park[2], Soon-Ki Kwon[1], and Yun-Hi Kim[1]
[1]Gyeongsang Nat'l Univ., Korea, [2]POSTECH, Korea

TuP-045

Dimethylsilyl-Linked Anthracene-Pyrene Dimers and Their Efficient T-T Annihilation in Organic Light Emitting Diodes(OLED)

Hwanil Je[1], Min Jae Sung[1], Hiroya Chubachi[2], Ryo Satoh[2], Yun-Hi Kim[3], Yong-Jin Pu[2], and Soon-Ki Kwon[1]
[1]Gyeongsang Nat'l Univ., Korea, [2]Yamagata Univ., Japan

TuP-046

New Linear Small Molecules: Naphthyl-Ethynyl-Anthracene-Based Small Molecules Containing Different Alkyl End Group

Hyun Woo Kim[1], Yebyeol Kim[2], So-Min Park[1], Tae Kyu An[3], Chan Eon Park[2], Yun-Hi Kim[1], and Soon-Ki Kwon[1]
[1]Gyeongsang Nat'l Univ., Korea, [2]POSTECH, Korea, [3]Korea Nat'l Univ. of Transportation, Korea

TuP-047

Crystal Structures and Optical Properties of Benzothiazole Derivatives with Pyridyl Group

Keigo Takahashi[1], Takashi Takeda[1], Norihisa Hoshino[1], Ken-ichi Sakai[2], and Tomoyuki Akutagawa[1]
[1]Tohoku Univ., Japan, [2]Chitose Inst. of Science and Tech., Japan

TuP-048

Synthesis and Characterization of A New Deep Green-Emitting Ir(III) Complex for OLED

Myeong-Jong Kim[1], Seung-Jun Yoo[2], Jaeyoung Hwang[1], Sung-Jin Park[1], Jae-Wook Kang[3], Yun-Hi Kim[1], Jang-Joo Kim[2], and Soon-Ki Kwon[1]
[1]Gyeongsang Nat'l Univ., Korea, [2]Seoul Nat'l Univ., Korea, [3]Chonbuk Nat'l Univ., Korea

TuP-049

Synthesizing Orange Iridium (III) Complexes for Solution Processable Organic Light-Emitting Diodes

Hyungjin Cheon[1], Yun-Hi Kim[1], Jaeyoung Hwang[1], Seung-Bae Ji[2], Kyoung Soo Yook[2], and Soon-Ki Kwon[1]
[1]Gyeongsang Nat'l Univ., Korea, [2]Sungkyunkwan Univ., Korea

TuP-050

Synthesis of Highly Soluble Carbazole-Based Copolymer Effects of Thermal Treatment on Chargecarrier Mobility

Nam Yeong Jeong[1], Min Su Jang[1], So Min Park[2], Dae Sung Chung[2], Soon-Ki Kwon[1], and Yun-Hi Kim[1]
[1]Gyeongsang Univ., Korea, [2]DGIST, Korea

TuP-051

Copolymer for Narrow Band Green-Selective Organic Photodiode

Min Jae Sung[1], Kyounghwan Kim[2], Dae Sung Chung[2], Yun-Hi Kim[1], and Soon-Ki Kwon[1]
[1]Gyeongsang Nat'l Univ., Korea, [2]DGIST, Korea

TuP-052

New n-Type Copolymer based on Thiazole Derivatives for OPVs

Canjie Wang, Hyoung Nam Kim, Nayeong Kim, Yun-Hi Kim, and Soon ki Kwon
Gyeongsang Nat'l Univ., Korea

TuP-053

A Thinophene Based Copolymerfor An Organic Electronics

Cheng Sun[1], Kang in Lee[1], Yun-Hi Kim[1], and Soon-ki Kwon[2]
[1]Gyeongsang Nat'l Univ., Korea, [2]Convergence Tech. and Inst. for Green Energy Convergen, Korea

TuP-054

Synthesis and Photovoltaic Properties of Thieno[3,2-b]thiophene-Incorporated Benzothiadiazole-Based Conjugated Donor Polymers

Jong-Woon Ha, Jong Baek Park, and Do-Hoon Hwang
Pusan Nat'l Univ., Korea

TuP-055

Observation and Characterization of Charge Transfer States in Bulk Heterojunction Blends by Subgap Optical Spectroscopies

Sin Hang Cheung[1], Carr Hoi Yi Ho[1], Ho Wa Li[2], Franky So[3], Sai Wing Tsang[2], and Shu Kong So[1]
[1]Hong Kong Baptist Univ., Hong Kong, China, [2]City Univ. of Hong Kong, Hong Kong, China, [3]North Carolina State Univ., USA

TuP-056

A New Ambipolar Copolymer for Organic Electronics

Xinwei Wu, Cheng Sun, Hyeng gun Song, and Yun-Hi Kim
Gyeongsang Nat'l Univ., Korea

TuP-057

Synthesis of Conjugated Polymer based on Phenanthrocarbazole Unit as A Donor and TPD Unit as An Acceptor

Gyeong Seok Lee[1], Yun-Hi Kim[1], Dong Hwan Wang[2], Soon-Ki Kwon[1], Minji Yi[2], Jae Sang Cho[2], Soyun Park[2], Hyungjin Cheon[1], and Woongsik Jang[2]
[1]Gyeongsang Nat'l Univ., Korea, [2]Chung-Ang Univ., Korea

TuP-058

Synthesisand Characterization of OLEDs, New Deep-Blue Dopants

Oh-Sung Koo[1], Yun-Hi Kim[1], Sunyoung Sohn[2], Bong Hyun Koh[3], Jae Yeul Baek[3], Hyun Chan Byun[3], Jae Hyun Lee[3], Dong-Seon Shin[3], Hyungju Ahn[2], and Han-Koo Lee[2]
[1]Gyeongsang Univ., Korea, [2]Pohang Univ., Korea, [3]Kyeong-Nam Science High School, Korea

TuP-059

Improvement of Luminescence Efficiency of Organic Nanoarchitectures by Controlling Crystallinity

Do Hyoung Kim, Jinho Choi, Seokho Kim, and Dong Hyuk Park
Inha Univ., Korea

TuP-060

Circularly Polarized Luminescence from Supramolecular Complexes Consisting of Cyanostilbene Derivatives and Sulfated Beta-Cyclodextrin in Water

Hyeong-Ju Kim and Soo Young Park
Seoul Nat'l Univ., Korea

TuP-061

Novel Self-Doped Water-Soluble Highly Conducting Polymers

Hirokazu Yano[1,2], Kazuki Kudo[2], and Hidenori Okuzaki[2]
[1]Tosoh Corp., Japan, [2]Univ. of Yamanashi, Japan

TuP-062

Preparation of Graphene-Polypyrrole/Epoxy Composites with Excellent Electromagnetic Wave Absorption Properties

Quyen Thi Vu[1], Tung Trinh Ngo[2], and Daewon Sohn[1]
[1]Hanyang Univ., Korea, [2]VAST, Vietnam

TuP-063

High-Performance n-Channel Field-Effect Transistors from[1]Benzothieno[3,2-b]Benzothiophene Based Donor-Acceptor Copolymers

Suman Kalyan Samanta, Inho Song, Jong Heun Yoo, and Joon Hak Oh
POSTECH, Korea

TuP-064

Size Ddjustment of Conjugatedpolymer Nanoparticles for White Light Emission

Jongho Kim, Young-Jin Gwon, Jeong Jun Lee, and Taek Seung Lee
Chungnam Nat'l Univ., Korea

TuP-065

Non-Conjugated Polymer Emitting Materials for High-Performing Solution-Processed TADF-Assisted Organic Light-Emitting Diodes

Hyung Jong Kim, Chiho Lee, Mallesham Godumala, Suna Choi, Seo Yeon Park, Min Ju Cho, Sungnam Park, and Dong Hoon Choi
Korea Univ., Korea

TuP-066

High-Performing Silane Core-Based Bipolar Host Materials in Blue Thermally Activated Delayed Fluorescence OLEDs

Suna Choi, Seo Yeon Park, Young Un Kim, Su Hong Park, Min Ju Cho, and Dong Hoon Choi
Korea Univ., Korea

TuP-067

Synthesis of Conjugated Polymer with Long Wavelength Absorption for ROS Generation

Young Jin Gwon, Hyun Chul Kim, and Taek Seung Lee
Chungnam Nati'l Univ., Korea

TuP-068

Control on Liquid Crystal Defects via Fabrication of Polymer-Based Microchannels with a Soft-Imprinting Technique Assisted Method

Min Jeong Shin, Min-Jun Gim, and Dong Ki Yoon
KAIST, Korea

TuP-069

Blue-Emissive Fluorophore based on A Single Benzene with Intra- Andintermolecular Hydrogen Bonds

Eunbee Cho, Taehyun Kim, Yena Lee, and Taek Seung Lee
Chungnam Nat'l Univ., Korea

TuP-070

Green-Processable and Dopant-Free Semiconducting Polymers with Asymmetric Structure and Application to Hole-Transporting Materials

Junwoo Lee, Cheol Woong Park, Sang Ah Park, and Park Taiho
POSTECH, Korea

TuP-071

Synthesis of Fluorescent Azobenzene Derivatives upon Aggregation

Yeoju Yoon, Seonyoung Jo, and Taek Seung Lee
Chungnam Nat'l Univ., Korea

TuP-072

Enhanced Electron Mobility of Low-Crystalline Conjugated Polymers with Localized Aggregates via Kinetically Fast and Robust Interactions.

Minjun Kim, Hong Il Kim, Seung Un Ryu, and Taiho Park
POSTECH. Korea

TuP-073

Electric Field Induced Micropatterned Liquidcrystal

Dongki Yoon and You Ra
KAIST, Korea

TuP-074

Self-Assembled Conjugated Poly Microdisk Array and Its Fluorescence Switching

Yusuke Kitayama[1], Yusuke Aikyo[1], Takeo Minari[2], Xuying Liu[2], Masakazu Morimoto[3], Masahiro Irie[3], Junpei Kuwabara[1], Takaki Kanbara[1], and Yohei Yamamoto[1]
[1]Univ. of Tsukuba, Japan, [2]NIMS, Japan, [3]Rikkyo Univ., Japan

TuP-075

Donor-Acceptor Dendrimer Crystals that Display Thermo-,Vapor-, and Mechanochromism

Jooyoung Yoo[1], Yohei Yamamoto[1], Sae Nakajima[1], Ken Albrecht[2], Kimihisa Yamamoto[2], Youhei Takeda[3], and Minakata Satoshi[3]
[1]Univ. of Tsukuba, Japan, [2]Tokyo Inst. of Tech., Japan, [3]Osaka Univ., Japan

TuP-076

Luminescent Di-Iridium Complexes with Bridging Pyrazolates; Characterization and Fabrication of OLEDs Using Vacuum Thermal Deposition

Jia-Ling Liao[1], Palanisamy Rajakannu[1], Premkumar Gnanasekaran[1], Shang-Ru Tsai[2], Chun-Han Lin[2], Chih-Hao, Chang[2], Shih-Hung Liu[3], Pi-Tai Chou[3], Gene-Hsiang Lee[3], and Yun Chi[1]
[1]Nat'l Tsing Hua Univ., Taiwan, [2]Yuan Ze Univ., Taiwan, [3]Nanyang Technological Univ., Taiwan

TuP-077

The Influence of Aromatic Diimide Side Groups on π-Conjugated Polymer Properties

Przemyslaw Ledwon, Karol Knop, Anna Drewniak, and Krzysztof Walczak
Silesian Univ. of Tech., Poland

TuP-078

Dual Anthracene Derivatives Using Optimizing Side Group for Highly Efficient Blue OLED Emitters

Seokwoo Kang, Hayoon Lee, Hyocheol Jung, and Jongwook Park
Kyung Hee Univ., Korea

TuP-079

Ring-Fusion of Non-Fullerene Acceptors based on Perylene Diimide towards Efficient Organic Solar Cells with Small Voltage Losses

Jianquan Zhang, Yunke Li, and He Yan
Hong Kong Univ. of Science and Tech., Hong Kong, China

TuP-080

Synthesisand Electroluminescent Properties of New Blue Dual-Core Derivatives Using Fluorene and Carbazole

Beomjin Kim[1], Suji Lee[2], Hyocheol Jung[1], Hayoon Lee[1], Seokwoo Kang[1], Yeonkyu Jeong[1], and Jongwook Park[1]
[1]Kyunghee Univ., Korea, [2]Catholic Univ., Korea

TuP-081

Synthesis of A Degenerated Neutral Radical State based on Metal Dithiolene Complex

Yojiro Kimura, Mikihiro Hayashi, Mitsuhiko Maesato, and Hiroshi Kitagawa
Kyoto Univ., Japan

TuP-082

Synthesisand Electroluminescent Properties of New Blue Dual-Core Emitters Using Different Aromatic Amines and Substitution Positions

Hwangyu Shin[1], Beomjin Kim[2], Hyocheol Jung[2], Jaehyun Lee[1], Hayoon Lee[2], Seokwoo Kang[2], Jiwon Moon[1], JinWook Jeong[2], Joonghan Kim[1], and Jongwok Park[2]
[1]Catholic Univ., Korea, [2]Kyunghee Univ., Korea

TuP-083

Improving Photostability of Polymer Solar Cells by Introducing Stabilizing Moiety in Photoactive Layer

Vu Van Doan, Rasool Shafket, Chang Eun Song, and Won Suk Shin
KRICT, Korea

TuP-084

Direct C-H Arylation Meets Perovskite Solar Cells: Sn-Free Synthesis Shortcut to High Performance Hole-Transporting Materials

Yu-Chieh Chang[1], Kun-Mu Lee[2], Chia-Hsin Lai[1], Ching-Yuan Liu[1], and Jui-Heng Chen[1]
[1]Nat'l Central Univ., Taiwan, [2]Chang Gung Univ., Taiwan

TuP-085

Greener Synthesis of D-π-A Organic Sensitizers via Cu-Catalyzed Direct Arylations: Development of Sn- & Pd-Free Process for Dye-Sensitized Solar Cells

Chia-Hua Chiang[1], Jiung-Huai Huang[1], Po-Han Lin[1], Wei-Ming Li[1], Kun-Mu Lee[2], and Ching-Yuan Liu[1]
[1]Nat'l Central Univ., Taiwan, [2]Chang Gung Univ., Taiwan

TuP-086

Direct C-H Arylation as Chemoselective Single-Step Access to Organic-Electronics-Versatile π-Acceptor-π Type Building Blocks

Kuan-Ming Lu, Wei-Ming Li, Po-Yu Lin, Kuan-Ting Liu, Yi-Kai Peng, and Ching-Yuan Liu
Nat'l Central Univ., Taiwan

TuP-087

Quinoidal Conjugated Polymers for High Performance Organic Field-Effect Transistors

Yunseul Kim[1], Hansu Hwang[2], Nam-Koo Kim[3], and Dong-Yu Kim[1]
[1]GIST, Korea, [2]KIST, Korea, [3]LG Electronics, Korea

TuP-088

Synthesizing Fluorinated Benzothiadiazole-Containing Regioregular Polymer: Comparing the Regioregular with Regiorandom Polymer on Nanogrooved Substrate

Junghoon Lee
Dongseo Univ., Korea

TuP-089

Flexible NFC Tag for Food Packaging with Printed Antenna and Temperature Sensor with Si-Chip as RF Front End

Bijendra Bishow Maskey, Kiran Shrestha, Yushin Kim, Hyejin Park, and Gyoujin Cho
Sunchon Nat'l Unv., Korea

TuP-090

Charge-Transfer Dynamics in Donor-Spacer-Acceptor Dyads

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