

2021/09/28 14:00

Poster	2021/09/28	14:00 – 16:00	Poster1
2Poster01– Poster session 1			

2Poster01–19–01

Film Characterization of Perovskite Solar Cells Fabricated by the Mixture Solution of Two Solvents

*Tatsuo Mori[1], Daiki okawa[1], Yoshiki Kondo[1], Yusuke Ichino[1], Yoshiyuki Seike[1]

1. *Aichi Institute of Technology (Japan)*

2Poster01–19–02

On/Off Ratio of a Pentacene Field-Effect Transistor with a Discontinuous MoO₃ Layer

*Takumi Kobayashi[1], Yuto Shimoya[1], Kota Hoshina[1], Yusaku Higuchi[1], Masahiro Minagawa[2], Akira Baba[1], Keizo Kato[1], Kazunari Shinbo[1]

1. *Niigata University (Japan)*, 2. *National Institute of Technology, Nagaoka College (Japan)*

2Poster01–19–03

New Organic Semiconductor for Easy Processing of Thin-Film Transistors

*Hideki ETORI[1]

1. *DIC Corporation (Japan)*

2Poster01–19–04

Increase of off-state current in TIPS pentacene/PMMA blend OFETs due to deposition of MoO₃

*Rei Mizoguchi[1], Naoki Akiyama[1], Sayaka Hiruta[1], Masaki Kobayashi[1], Masahiro Kashiwazaki[1], Norio Onojima[1]

1. *University of Yamanashi (Japan)*

2Poster01–19–05

Optical and carrier mobility properties of regioregular oligo-hexylthiophenes and their copolymers with 9,9'-dihexylfluorene

*Masanao Era[1], Sho-ichi Gondo[1]

1. *Saga University (Japan)*

2Poster01-19-06

Colloidal Stability of Polypyrrole-ITO Conducting Inks

*Yukihiro Tsugita[1], Shuichi Maeda[1]

1. Tokai Univ. (Japan)

2Poster01-19-07

Water droplet detection using superhydrophobic PDMS/LIG surface

*Seiji Wakabayashi[1], Takayuki Arie[1], Seiji Akita[1], Kuniharu Takei[1]

1. Osaka Prefecture Univ. (Japan)

2Poster01-19-08

Novel fabrication process of charge transfer complex thin films using liquid crystallinity

*Shun Takamaru[1], Jun-ichi Hanna[1], Hiroaki Iino[1]

1. Tokyo Institute of Technology (Japan)

2Poster01-19-09

Fabrication of multilayered inverted QD-OLEDs within of quantum dots/ polymer blend layers as an emitting layer on solution processed ETLs

*Sosei Yamane[1], Eiji Itoh[1]

1. Shinshu Univ. (Japan)

2Poster01-19-10

Excited-state transition dipole property and aggregation characteristic effects on organic semiconductor-based hole transport materials: p-i-n type perovskite solar cell

*Eswaran Kamaraj[1], Sanghyuk Park[1]

1. Kongju National University (Korea)

2Poster01-19-11

Preparation and Characterization of n-Type Semiconducting Graft Copolymers with Polystyrene Side Chains for Organic Thin Film Solar Cells

*Momoko Yoshida[1], Toru Moriya[1], Shinji Kanehashi[1], Kenji Ogino[1]

1. Tokyo University of Agriculture and Technology (Japan)

2Poster01-19-12

Synthesis and Optical Properties of Cage Structures Composed of Tetratopic Pyridyl Compounds

*Yoko Tatewaki[1], Chisato Kobukai[1], Sadafumi Nishihara[2]

1. Tokyo University of Agriculture and Technology (Japan), 2. Hiroshima University (Japan)

2Poster01-19-13

Transistor Characteristics of Charge Transfer Complexes of Fluorene Analogs

*Baiyan Liu[1], Tadashi Kawamoto[1], Takehiko Mori[1]

1. *Tokyo Institute of Technology (Japan)*

2Poster01-19-14

Chromic-Acid-Free Electroless Plating Processes on Plastic Substrates

*Shunsuke Yamazaki[1], Takahiro Furuhashi[2], Yoshiyasu Yamada[2], Shoji Ichihara[1], Hiroaki Usui[1]

1. *Tokyo University of Agriculture and Technology (Japan)*, 2. *Yamada Co. Ltd. (Japan)*

2Poster01-19-15

Highly Oriented N2200 for n -channel Organic Field Effect Transistor

*Yuya Sugita[1], Manish Pandey[1], Heriyanto Syafutra[1], Yongyoon Cho[1], Hiroaki Benten[1], Masakazu Nakamura[1]

1. *Nara Institute of Science and Technology (Japan)*

2Poster01-19-16

Inkjet-printed thin-film graphene electrode for lithium-ion battery

*Ashok Kushwaha[1], Dipti Gupta[1]

1. *IIT Bombay (India)*

2Poster01-19-17

Deposition of Organic-Inorganic Hybrid Polymer with Silsesquioxane Unit

Yamato Ogawa[1], *Takumi Miyayama[1], Satsuki Mayuzumi[1], Hiroaki Usui[1]

1. *Tokyo University of Agriculture and Technology (Japan)*

2Poster01-19-18

Feasibility Study on Vocal Command Recognition using a Face-Mask with Printed Strain Gauge toward Silent Speech Interaction

*Yusuke Kunimi[1,2], Shusuke Kanazawa[2], Kunihiro Ogata[2], Hiroataka Hiraki[1,2], Yoshio Matsumoto[1,2]

1. *The University of Tokyo (Japan)*, 2. *National Institute of Advanced Industrial Science and Technology (Japan)*

2Poster01-19-19

Development of Furan-Containing π -Conjugated Compounds for Organic Field-Effect Transistors

*Chikara Hayasaka[1], Shusaku Nagano[2], Koji Nakano[1]

1. *Tokyo University of Agriculture and Technology (Japan)*, 2. *Rikkyo University (Japan)*

Poster 2021/09/30 14:00 – 16:00 Poster1
4Poster01– Poster session 2

4Poster01–19–01

Quantified tabbed lines and ground void impact on real DDR5 eye margin

*Dirack Lai[1]

1. Intel Microelectronics Asia LLC., Taiwan Branch (Taiwan)

4Poster01–19–02

Densely packed NiO nanoparticle layers with oxygen plasma treatments for printed thin-film NTC thermistors

*Taichi Kikkawa[1], Daisuke Kumaki[2], Shizuo Tokito[1,2], Nobuko Fukuda[3], Yasuyuki Kusaka[3]

1. Graduate School of Organic Materials Science, Yamagata University (Japan), 2. Reserch Center for Organic Electronics, Yamagata University (Japan), 3. Sensing System Research Center, National Institute of Advanced Industrial Science and

4Poster01–19–03

Quantitative analysis of organic anti-ambipolar field-effect transistors

*Junyi Zhu[1], Takehiko Mori[1]

1. Tokyo Tech (Japan)

4Poster01–19–04

Carrier transporting properties of perylene derivatives and photovoltaic properties of their p-n junction type solar cell

*Masanao Era[1], Shusei Kanae[1]

1. Saga University (Japan)

4Poster01–19–05

All-printable and flexibly-designable broadband 360^o photo-thermal imager

*Kou Li[1,2], Yukio Kawano[1,2,3]

1. FIRST, Tokyo Tech (Japan), 2. Dept. EEE., Tokyo Tech (Japan), 3. Faculty of Science and Engineering, Chuo University (Japan)

4Poster01-19-06

Organic monolayers modified by ultraviolet-ozone for solution-processed organic thin-film transistors

*Satoshi Inoue[1], Yoshiaki Hattori[2], Masatoshi Kitamura[3]

1. Kobe Univ. (Japan), 2. Kobe Univ. (Japan), 3. Kobe Univ. (Japan)

4Poster01-19-07

Microscopic observation of the dependence of light scattering near micro cracks on the surface layer of the glass substrate on temperature changes

*Yoshitaro Sakata[1], Nao Terasaki[1]

1. National Institute of Advanced Industrial Science and Technology (AIST) (Japan)

4Poster01-19-08

Synthesis and Electron Transporting Properties of Triblock Copolymers Consisting of Polyfluorene and Polystyrene

*Jin Cheng[1], Shinji Kanehashi[1], Kenji Ogino[1]

1. Tokyo University of Agriculture and Technology (Japan)

4Poster01-19-09

PN-Stacked Vertical Organic Transistors with Inverted Structure

*Shota Torimitsu[1], Mitsuharu Suzuki[1], Ken-ichi Nakayama[1]

1. Osaka Univ. (Japan)

4Poster01-19-10

Effect of In_2O_3 nanoparticles synthesized at different reaction time on CO gas sensing properties

*JINAH HWANG[1], DONG SOO Kim[1]

1. HANBAT NATIONAL UNIVERSITY (Korea)

4Poster01-19-11

Multipoint detection of the displacement from heartbeat using flexible organic piezoelectric sensor array

*Yusaku Nagayama[1], Yuya Kondo[1], Yasuko Koshiba[1], Shohei Horike[1], Kenji Ishida[1]

1. Kobe Univ. (Japan)

4Poster01-19-12

Silver nanowire-enhanced microflake electrically conductive adhesives for flexible hybrid electronics

*Hubert Argasinski[1], Muhammed Kayaharman[1], I. A. Goldthorpe[1]

1. University of Waterloo (Canada)

4Poster01-19-13

Photovoltaic properties of inverted perovskite solar cell with solution processable buffer layers and the effect of temperature during the spin-coating of light absorber

*Takao Ueda[1], Eiji Itoh[1]

1. Shinshu University, Graduate School of Science and Technology, Department of Engineering, Electrical and Computer Engineering Division (Japan)

4Poster01-19-14

Study on Effect of Supercritical CO₂ on Structural Ordering and Charge Transporting Property in Thiophene-Based Block Copolymer

*Satomi Hosokawa[1], Shinji Kanehashi[1], Kenji Ogino[1]

1. Tokyo University of Agriculture and Technology (Japan)

4Poster01-19-15

Electron-Assisted Deposition of Teflon-AF Thin Films for Flexible Surface Coating

*Soma Yasui[1], Fujio Ohishi[2], Hiroaki Usui[1]

1. Tokyo University of Agriculture and Technology (Japan), 2. Kanagawa University (Japan)

4Poster01-19-16

Current analysis of N, N'-di (1-naphthyl) -N, N'-diphenyl-benzidine thin film and its temperature dependence

Masato Takai[1], Masahiro Morimoto[1], *Shigeki Naka[1]

1. University of Toyama (Japan)

4Poster01-19-17

Electron-Assisted Deposition and Interface Control of Naphthalene Derivative Thin Films

Takuya Izumi[1], *Suguru Kuratomi[1], Naoyuki Fukui[1], Satoshi Usui[2], Hiroaki Usui[1]

1. Tokyo University of Agriculture and Technology (Japan), 2. Niigata University (Japan)

4Poster01-19-18

Enhanced Optical Memory Characteristics of Organic Transistors with Solution-Processed Charge Storage Layers

*Reitaro Hattori[1], Takashi Nagase[1,2], Naoyuki Nishida[1], Takashi Kobayashi[1,2], Hiroyoshi Naito[1,2]

1. Osaka Prefecture University (Japan), 2. The Research Institute for Molecular Electronic Devices (RIMED), Osaka Prefecture University (Japan)

4Poster01-19-19

Hand grip detection trial based on skin deformation measuring by flexible strain sensors

*Hirotaka Hiraki[1,2], Yusuke Kunimi[1,2], Shusuke Kanazawa[1,2]

1. The University of Tokyo (Japan), 2. National Institute of Advanced Industrial Science and Technology(AIST) (Japan)