

KJF-ICOME 2021

【Poster Presentation 1 (15:10-15:40 Short Presentation, 15:40-16:25 Poster Presentation)】

【Poster Presentation 2 (16:25-16:55 Short Presentation, 16:55-17:40 Poster Presentation)】

Poster No.	Abstract No.	Title	Given Name	Family Name	Affiliation	Abstract Title	Authors, and Affiliation
Poster Presentation 1 (15:10-15:40 Short Presentation, 15:40-16:25 Poster Presentation)							
15:10-16:25: Poster Presentation 1 (Organic Transistors Memories, and Photovoltaics), Room A							
PA1-01	55	Mr.	Joosub	Ahn	Chonnam National Univ.	Characteristics of the hydrothermal synthesis time of TiO ₂ nanostructure	Joosub Ahn, and Eunmi Han, Chonnam Natl. Univ., Korea
PA1-02	59	Ms.	Durga Gayathri	Rajalapati	Pusan National Univ.	11.1% Efficiency Achieved with Sidechain Engineering on	Rajalapati Durga Gayathri, Yeong-Soon Gal, and Sung-Ho Jin, Pusan Natl. Univ., Korea
PA1-03	60	Mr.	Gokulnath	Thavamani	Pusan National Univ.	New π -Conjugated Polymer Donor and Non-halogenated Solvent	Thavamani Gokulnath, Yeong-Soon Gal, and Sung-Ho Jin, Pusan Natl. Univ., Korea
PA1-04	61	Ms.	Yeongju	Do	Pusan National Univ.	Synthesis and Characterization of New Hole Transporting Material	Yeongju Do, Yeong-Soon Gal, and Sung-Ho Jin, Pusan Natl. Univ., Korea
PA1-05	62	Mr.	Hyungjin	Park	Pusan National Univ.	Benzotriazole-Based a Conjugated Polymer with Siloxane-	Hyungjin Park, Yeong-Soon Gal, and Sung-Ho Jin, Pusan Natl. Univ., Korea
PA1-06	70	Prof.	Taek	Ahn	Kyongsung Univ.	Photo-Crosslinkable and Low-Temperature Processable Polyimide	Jaekyung Lee, and Taek Ahn, Kyongsung Univ., Korea
PA1-07	74	Mr.	Seongmin	Heo	Pohang Univ. of Science and	How to Enhance the Ion Mobility in the Coniugated Semiconducting	Seongmin Heo ¹ , Jimin Kwon ¹ , Insang You ¹ , Seunglok Lee ² , Mingyu Jung ² , Junghoon Lee ³ , Changduk Yang ² ,
PA1-08	88	Mr.	Su Hong	Park	Korea Univ.	Highly-efficient Indoor Photovoltaics with a Conjugated Random	Su Hong Park, Na Yeon Kwon, Hong Diem Chau, Seung Uk Cho, Dong Won Lee, Hyeon Doo Je, Amit
PA1-09	89	Ms.	Na Yeon	Kwon	Korea Univ.	Crosslinkable conjugated donor and acceptor polymers containing vinyl	Na Yeon Kwon, Su Hong Park, Seung Uk Cho, Dong Won Lee, Hyeon Doo Je, Min Ju Cho, and Dong Hoon
PA1-10	98	Mr.	Myeongjae	Lee	Korea Univ.	Perfluorophenyl Azide (PFPA) based Universal 3D-Crosslinker for	Min Je Kim ¹ , Myeongjae Lee ² , Jeong Ho Cho ¹ , and Bongsoo Kim ³ , 1 Yonsei Univ., 2 Korea Univ., and 3
PA1-11	183	Mr.	Seok Woo	Lee	Pukyong National Univ.	Effect of Fluorine Substituents on Photovoltaic Properties of D-A Type	Seok Woo Lee, Dong Hwan Son, Joo Hyun Kim and Dong Wook Chang, Pukyong Natl. Univ., Korea
15:10-16:25: Poster Presentation 1 (Sensors and Bioelectronics), Room A							
PA1-12	36	Mr.	Taro	Echizen	Chitose Inst. Sci. Tech.	Elucidation and imitation of the structure of viscous spheres on the	Taro Echizen, and Olaf Karthaus, Chitose Inst. of Sci., and Technol., Japan
PA1-13	15	Mr.	Sungryong	Kim	Pukyong National Univ.	Physical Cross-linking Polymer Gel using the Ionic Side Chain for	Sungryong Kim, Haeun Kim, and Taiho Park, POSTECH, Korea
PA1-14	63	Mr.	Yexiao	Sun	Tokyo Institute of Technology	CeO ₂ nanogap oxygen sensor working at 1 atm	Sun Yexiao, Phan Trong Tue, and Yutaka Majima, Tokyo Tech., Japan
PA1-15	75	Mr.	Hyeonbo	Shim	Pukyong National Univ.	Reshaping of Triangular Silver Nanoplates and Its Application in a	Hyeonbo Shim, and Mun Ho Kim, Pukyong Natl. Univ., Korea
PA1-16	95	Mr.	Shuta	Katakura	Niigata Univ.	Observation of Water Vapor Sorption in Polyvinyl Alcohol Thin	Shuta Katakura, Shotaro Komatsu, Yasuo Ohdaira, Akira Baba, Keizo Kato, and Kazunari Shinbo, Niigata
PA1-17	120	Mr.	Hanbin	Choi	Hanyang Univ.	Visco-poroelastic Electrochemiluminescence Skin with	Hanbin Choi ¹ , Jong Ik Lee ² , Joo Sung Kim ¹ , Moon Sung Kang ² , and Do Hwan Kim ¹ , 1 Hanyang Uni., and
PA1-18	103	Dr.	Sopit	Phetsang	National Institute of	Self-powered photoelectrochemical enzyme-free glucose sensor based	Sopit Phetsang ¹ , Naoto Okuuchi ² , Chutiparn Lertvachirapaiboon ² , Kazunari Shinbo ² , Keizo Kato ² ,
PA1-19	115	Mr.	Shinnosuke	Namihara	Tokyo Institute of Technology	Direct immunoassay by colorimetric plasmonic biosensor utilizing Ag	Shinnosuke Namihara, Mana Toma, and Kotaro Kaiikawa, Tokyo Tech., Japan
15:10-16:25: Poster Presentation 1 (Molecular Photonics and Electronics), Room B							
PB1-01	38	Mr.	Ryo	Yonemoto	Meiji Univ.	Electrically induced light emission at nanogap electrodes with	Ryo Yonemoto ¹ , Toma Babe ¹ , Rieko Ueda ² , Akira Otomo ² , and Yutaka Noguchi ¹ , 1 Meiji Univ., and 2
PB1-02	9	Prof.	Seyoung	Kee	Pukyong National Univ.	Aqueous-Processable Conducting Polymer/Ionic Liquid Composite	Seyoung Kee, Pukyong National Univ., Korea
PB1-03	91	Mr.	Yuichiro	Tsujihara	Tokyo Institute of Technology	Anthracene-Based Single Molecule Transistor	Yuichiro Tsujihara, Takumi Nishinobo, Ruicong Yu, and Yutaka Majima, Tokyo Tech., Japan
PB1-04	31	Mr.	Jinhan	Lee	Pukyong National Univ.	Enhancement of HOMO using CN group instead of F group in Organic	Jinhan Lee, Gun Dae Lee, Seong Soo Park, Won Ki Lee, and Youngeup Jin, Pukyong Natl. Univ., Korea
PB1-05	93	Mr.	Takumi	Nishinobo	Tokyo Institute of Technology	Self-Termination of Electroless Au Plating (ELGP) of Au/Pt Parallel	Takumi Nishinobo, and Yutaka Majima, Tokyo Tech., Japan
PB1-06	170	Mr.	Youngdoo	Jung	Yonsei Univ.	Binary Blended Block Copolymer Photonic Crystals	Youngdoo Jung, Chang Eun Lee, and Cheolmin Park, Yonsei Univ., Korea
PB1-07	169	Mr.	Ruicong	Yu	Tokyo Institute of Technology	Molecule/Au Nanoparticle/Molecule-based Triple-Dot Single-Electron	Rui-cong Yu, Takumi Nishinobo, and Yutaka Majima, Tokyo Tech., Japan
15:10-16:25: Poster Presentation 1 (OLED Materials and Devices), Room B							
PB1-08	71	Prof.	Taek	Ahn	Kyongsung Univ.	Synthesis and Photophysical Properties of Hyperbranched	Jaekyung Lee, and Taek Ahn, Kyongsung Univ., Korea
PB1-09	43	Mr.	Ryo	Sato	Aichi Inst. Tech.	Electrical conduction due to the presence or absence of 4CzIPN in	Ryo Sato, Yoshiyuki Seike, and Tatsuo Mori, Aichi Inst. of Technol., Japan
PB1-10	92	Ms.	Jinhyo	Hwang	Korea Univ.	New hole transport polystyrene derivatives containing highly π -	Jinhyo Hwang, Jihye Lee, Min Ju Cho, and Dong Hoon Choi, Korea Univ., Korea
PB1-11	133	Mr.	Sangshin	Park	Kyung Hee Univ.	Synthesis and Electroluminescence of Blue Emitting Materials Including	Sanshin Park, Seokwoo Kang, Sunwoo Park, Hyukmin Kwon, Seungeun Lee, and Jongwook Park, Kyung Hee
PB1-12	54	Prof.	Naoki	Ohtani	Doshisha Univ.	Fabrication of light-emitting diodes using solution processed	Akira Miyasiro, Kouhei Ooki, Yusuke Jitsui, and Naoki Ohtani, Doshisha Univ., Japan
PB1-13	138	Mr.	Sunwoo	park	Kyung Hee Univ.	Synthesis and Electrical Properties of New Blue Emitter Having Boron	Sunwoo Park, Hogyeom Kim, Seokwoo Kang, Sangshin Park, Hyukmin Kwon, and Jongwook Park, Kyung Hee
PB1-14	148	Dr.	Hyun Gi	Kim	Kyung Hee Univ.	Highly efficient red organic light-emitting diodes using host materials	Hyun Gi Kim, Sung Soo Kim, and Jongwook Park, Kyung Hee Univ., Korea
PB1-15	67	Dr.	Naoki	Okamura	Meisei Chemical	Water-Based Dispersions of Luminescent Metal Complexes for	Naoki Okamura, Takafumi Kimura, Toru Harada, and Takafumi Hashimoto, Meisei Chemical Works, Japan
PB1-16	12	Prof.	Yeong-Soon	Gal	Kyungil Univ.	Electro-optical and Electrochemical Properties of Poly[2-ethynyl-N-	Yeong-Soon Gal ¹ , Sung-Ho Jin ² , Taehyoung Kim ³ , Sang Youl Kim ³ , Jongwook Park ¹ , and Kwon Taek Lim ⁴ , 1 Kyungil
15:10-16:25: Poster Presentation 1 (Electrochromic Materials and Devices), Room B							
PB1-17	175	Mr.	Shunichiro	Ito	Nagoya Univ.	Effect of side chain density on structure and thermoelectric	Shun-ichiro Ito, ¹ Kaito Kanahashi, ² Hisaaki Tanaka, ¹ Hiromichi Ohta, ³ and Taishi Takenobu, ¹ 1 Nagoya

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Poster No.	Abstract No.	Title	Given Name	Family Name	Affiliation	Abstract Title	Authors, and Affiliation
15:10-16:25: Poster Presentation 1 (Other Related Topics), Room C							
PC1-01	22	Mr.	Chikara	Kawakami	Nagoya Univ.	Specific molecular orientation and structure induction at the interface	Chikara Kawakami,1 Mitsuo Hara,1 Keisuke Takishima, Shusaku Nagano,2 and Takahiro Seki,1, 1 Nagoya Univ., and
PC1-02	29	Mr.	Seonho	Kim	Inha Univ.	The Effect of Inorganic Nanoparticles on Ion Conduction in	Seonho Kim, and U Hyeok Choi, Inha Univ., Korea
PC1-03	27	Mr.	Atsuki	Kodama	Nagoya Univ.	Preparation of mesoporous silica thin films containing hygroscopic	Atsushi Kodama1, Mitsuo Hara1, Shusaku Nagano2, and Takahiro Seki1, 1 Nagoya Univ., and 2 Rikkyo Univ., Japan
PC1-04	30	Ms.	Gayeon	Kim	Pukyong National Univ.	Hydrolytic behaviors and mechanical properties of L-PLA/PBS and L-	Gayeon Kim, Byeonguk Kim, and Won-Ki Lee, Pukyong Natl. Univ., Korea
PC1-05	28	Ms.	Mengmeng	Chen	Univ. of Electro-communication	High Efficiency Lead-free Wide Bandgap Perovskite Solar Cells via Adhesion Characteristics of	Mengmeng Chen, Muhammad Akmal Kamarudin, Gaurav Kapil, Qing Shen, and Shuzi Hayase, Univ. of Electro-
PC1-06	34	Dr.	JAE HWAN	CHUN	KOREA INSTITUTE OF FOOTWEAR	Polylefin Part for Mobile Devices	Won-Ki Lee&1, Boo Yong Jeong2, Jung Mi Cheon2, and Jae Hwan Chun2, 1 Pukyong Natl. Univ., and 2 Korea Inst. of
PC1-07	35	Mr.	Reona	Kanazu	Nagoya Univ.	Anisotropic SRG formation in monoaxially oriented liquid	Reona Kanazu1, Mitsuo Hara1, Syusaku Nagano2, Takahiro Seki1, 1 Nagoya Univ., and 2 Rikkyo Univ., Japan
PC1-08	40	Mr.	Donghyeok	Im	Division of Polymer	Synthesis and selective enzymatic degradation of	Donghyeok Im1,2, Vishal Gavande1, Eunji Park2, Dongho Kim2, Won-Ki Lee1, 1 Pukyong Natl. Univ., and
PC1-09	37	Mr.	Naoki	Hida	Nagoya Univ.	Induced highly ordered phases in side-chain liquid crystal	Naoki Hida1, Tatsunaga Nakajima2, Mitsuo Hara1, Shusaku Nagano2, Takahiro Seki1, 1 Nagoya Univ., and 2 Rikkyo
PC1-10	41	Prof.	Won-Ki	Lee	Pukyong National Univ.	Effect of molecular weights on stereocomplexation of enantiomeric	Vishal Gavande1, Gayeon Kim1, Youngeup Jin1, Seong-Ho Jang2, Jae Hwan Chun3, and Won-Ki Lee1,
PC1-11	51	Mr.	Keiki	Saitoh	Iwate Univ.	Single crystal Growth of triphenylphosphine by the	Keiki Saitoh,1 Mamoru Kikuchi,1, and Noriyuki Yoshimoto, 1 Iwate Univ., Japan
PC1-12	42	Mr.	Si-Myung	Kim	Pukyong National Univ.	Mechanical properties of various glassy resins/PU semi-	Si-Myung Kim1,2, Gayeon Kim1, Jeongsam Lee2, Youngeup Jin1, and Won-Ki Lee1, 1 Pukyong Natl.
PC1-13	53	Mr.	Tatsuya	Okada	Osaka Electro-Communication	Silver Nanowire Patterning on Flexible Sheets for Wireless Power	Tatsuya Okada, and Akihiro Tomioka, Osaka Electro-Communication Univ., Japan
PC1-14	45	Mr.	Vishal	Gavande	Pukyong National Univ.	UV-curable 2D hBN/polyurethane acrylate nanocomposite coatings	Vishal Gavande1, Bongkuk Seo2, and Won-Ki Lee1, 1 Pukyong Natl. Univ., and 2 Korea Res. Inst. of Chemical
PC1-15	58	Mr.	Zhongzheng	Sun	Tokyo Institute of Technology	Fabrication of Ferroelectric Lead Zirconate Titanate (PZT) Ultra-thin	Zhongzheng Sun, and Yutaka Majima, Tokyo Tech., Japan
PC1-16	46	Dr.	Jungju	Ryu	Hanyang Univ.	Behaviors of poly(styrene sulfonate) and poly(allvamine) probed in	Jungju Ryu, and Daewon Sohn, Hanyang Univ., Korea.
PC1-17	65	Mr.	Ryo	Toyama	Tokyo Institute of Technology	Hydrogen annealing effect on crystal structures of high-coercivity L10-	Ryo Toyama,1 Shiro Kawachi,1,2,3 Jun-ichi Yamaura,1,2 Youichi Murakami,2 Hideo Hosono,1, and
PC1-18	48	Mr.	byeonguk	kim	Pukyong National Univ.	Preparation and study of the ultra-high molecular weight	Byeonguk Kim1, Vishal Gavande1, Gayeon Kim1, Won-Ki Lee1, Dong Hyun Kim2, 1 Pukyong Natl. Univ., and 2
15:10-16:25: Poster Presentation 1 (Other Related Topics), Room D							
PD1-01	197	Mr.	SHEIK ABDUR	RAHMAN	Jeju National Univ.	Surface treatment of silver-paste electrode by atmospheric-pressure	Sheik Abdur Rahman, Shenawar Ali Khan, and Woo Young Kim, Jeju Natl. Univ., Korea
PD1-02	129	Mr.	koya	uno	Yamagata Univ.	Synthesis of Multicomponent Crystals Composed of Pridinium	Koya Uno, Ryohei Yamakado, and Shuji Okada, Yamagata Univ., Japan
PD1-03	113	Dr.	Suk Hun	Sur	Korea Institute of Footwear	Surface Properties of UHMWPE Film by Plasma Surface Treatment	Suk Hun Sur, Na Young Kim, Ji Hyun Park, Phil Jun Choi, Korea Institute of Footwear & Leather Technol.,
PD1-04	131	Mr.	Ryo	Tabata	Shizuoka Univ.	Preparation and Characterization of Antifouling Coating by Vapor	Ryo Tabata, Ryouске Matsubara, and Atsushi Kubono, Shizuoka Univ., Japan
PD1-05	119	Mr.	SeungHwan	Jin	Inha Univ.	Conjugated polymer synthesis in a flow reactor by using heterogeneous	Seung-Hwan Jina, Won-Young Koa., and Ye-Jin Hwanga, Inha Univ., Korea
PD1-06	132	Mr.	Fumiya	Nakamura	Chitose Institute of	Characterization of proteoglycan in salmon nasal cartilage using FTIR	Fumiya Nakamura, Shota Hironaka, Hideyo Horiuchi, Chihiro Kawamoto, and Hiromi Kimura-Suda, Chitose
PD1-07	121	Mr.	Jaehak	Sim	Korea institute of footwear &	Study on Biodegradable Resin Using Ester-Acrylate for Coating	Jaehak Sim, Jungmi Cheon, Jaehwan Cheon, and Jaehak Sim, Korea Inst. of footwear & Leather technol.,
PD1-08	136	Ms.	Kyoko	Okamoto	Kobe Univ.	Crystal growth of urea oligomer by ionic liquid assisted vacuum vapor	Kyoko Okamoto, Yasuko Koshiba, and Kenji Ishida, Kobe Univ., Japan
PD1-09	122	Dr.	JungMi	Cheon	Korea Institute of Footwear	Preparation and Properties of Waterborne Polyurethane-acrylate	JungMi Cheon1, Se-Jin Kim1,2, Lan-Ji Baek1,2, Boo-Young Jeong1., and Jae-Hwan Chun1, 1 Korea Int. of
PD1-10	159	Mr.	Michihiro	Nakayama	Tokyo Univ. of Agriculture	Suppression of Grain Density by the Introduction of liquids during	Michihiro Nakayama, Tetsu Katayama, and Toshihiko Kaji, Tokyo Univ. of Agriculture and Technol., Japan
PD1-11	72	Mr.	Koki	Sato	Shizuoka Univ.	Fabrication of metal nanostructure by electron beam excitation with	Koki Sato, Keita Mizuno, and Atsushi Ono, Shizuoka Univ., Japan.
PD1-12	181	Mr.	Kiyotaka	Maruoka	Tohoku Univ.	Pharmacological activity of quiazulene derivatives-coniugated	Kiyotaka Maruoka,1 Yoshitaka Koseki,1 Anh Thi Ngoc DAO,1 Rvuju Suzuki,1 Batbavar Anudari,2 Nagaki
15:10-16:25: Poster Presentation 1 (Nonlinear Optical Materials and Devices), Room D							
PD1-13	64	Mr.	Jiawei	Mao	Kyushu Univ.	Efficient electro-optic modulation based on a mode-confined ultra-thin	Jiawei Mao, Hiromu Sato, and Shiyoshi Yokoyama, Kyushu Univ., Japan.
PD1-14	73	Ms.	Mizuki	Shimose	Shizuoka Univ.	Metal nanopatterning on polyimide substrate by polarization controlled	Mizuki Shimose, Seiya Toriyama, Kazuma Hashimoto, Vvgantas Mizeikis, and Atsushi Ono, Shizuoka Univ.,
PD1-15	78	Mr.	Kazuhiro	Kurose	Shizuoka Univ.	One-photon type optical poling phenomena in DR1/PMMA host-	Kazuhiro Kurose, Atsushi Sugita, Shizuoka Univ., Japan
PD1-16	117	Mr.	Ryuta	Kobayashi	Kyushu Univ.	Fabrication and Optical Properties of Silicon and Polymer Hybrid Ring	Ryuta Kobayashi, Rintaro Tajima, Rokumyo Kenta, Hiromu Sato, and Shiyoshi Yokoyama, Kyushu Univ.,
PD1-17	82	Prof.	Jun Hyup	Lee	Soongsil Univ.	Photoluminescent Liquid Crystal Device Embedded with a Thin Layer	Jisung Park, Seung-Rak Son, Jongil An, Jin-Wook Choi, Chan Beom Park, Sovern Kim, and Jun Hyup Lee,

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Poster Presentation 2 (16:25-16:55 Short Presentation, 16:55-17:40 Poster Presentation)							
16:25-17:40: Poster Presentation 2 (Organic Transistors Memories, and Photovoltaics), Room A							
PA2-01	135	Ms.	Sabrina AUFAR	Salma	Pukyong National Univ.	The effect of different backbone structure of polyelectrolytes as the	Sabrina AUFAR Salma, Rahmatia Fitri Binti Nasrun, Dong Hwan Son, Analia D'Orazio Colman, Qurrotun Ayuni
PA2-02	141	Prof.	Jaehoon	Park	Hallym Univ.	Investigation on Storage Stability of Organic Ferroelectric Field-Effect	Jyothi Chintalapalli,1 Jin-Hyuk Kwon,2 Bokyung Kim,1 Sungkeun Baang,1, and Jaehoon Park,1, Hallym Univ.
PA2-03	142	Prof.	Jaehoon	Park	Hallym Univ.	Investigation on Solvent-Dependent Morphological and Crystalline	Joel Ndikumana, Jin-Hyuk Kwon, Hyeonju Lee, Sungkeun Baang, and Jaehoon Park, Hallym Univ..
PA2-04	143	Ms.	Analia	D'Orazio Colman	Pukyong National Univ.	New Indandione Donor-Acceptor polymer for Polymer Solar Cells	Analia D'Orazio Colman, Dong-Hwan Son, Sabrina AUFAR Salma, Rahmatia Fitri Binti Nasrun, Qurrotun
PA2-05	146	Ms.	Rahmatia Fitri Binti	Nasrun	Pukyong National Univ.	Efficiency Enhancement of Organic Solar Cell by Small Molecule	Rahmatia Fitri Binti Nasrun, Donghwan Son, Sabrina AUFAR Salma, Analia D'Orazio Colman, Qurrotun Ayuni
PA2-06	157	Mr.	Gyung-Tak	Kim	INHA	Development of Naphthalene Diimide-Based Two-Dimensional	Gyung-Tak Kim, and Ye-Jin Hwanga, Inha Univ., Japan
PA2-07	164	Ms.	Yeeun	Kim	Yonsei Univ.	Artificially Intelligent tactile learning electronic skin	Kyuho Lee, Seonghoon Jang, Kang Lib Kim, Min Koo, Chanho Park, Seokyeon Lee, Junseok Lee, Gunuk
PA2-08	168	Mr.	Kyuho	Lee	Yonsei Univ.	Artificially Intelligent Photonic Synapse with Area Density-tunable	Kyuho Lee, Yeeun Kim, and Cheolmin Park, Yonsei Univ., Korea
PA2-09	171	Mr.	Sung-Hyun	Jung	Kyungil Univ.	The Multi-walled Carbon Nanotubes (MWCNTs) Covalently	Sung-Hyun Jung1, Sung-Ho Jin2, Sang-Yeon Shim3, Kwon Taek Lim4, and Yeong-Soon Gal1, 1 Kyungil
PA2-10	182	Mr.	Seok Woo	Lee	Pukyong National Univ.	Strong Electron-Donating Triphenylamine-Substituted	Seok Woo Lee, Dong Hwan Son, Joo Hyun Kim, and Dong Wook Chang, Pukyong Natl. Univ., Korea
PA2-11	134	Mr.	Dong Hwan	Son	Pukyong National Univ.	Conjugated polymer electrolytes with different acid additives as the	Dong Hwan Son, Sabrina AUFAR Salma, Rahmatia Fitri Binti Nasrun, Analia D'Orazio Colman, Qurrotun Ayuni
16:25-17:40: Poster Presentation 2 (Sensors and Bioelectronics), Room A							
PA2-12	145	Mr.	Sangjun	Park	Hanyang Univ.	Highly Stable and Conductive Interpenetrating Polymer Network	Sangjun Park, Hyukmin Kweon, and Do Hwan Kim, Hanyang Univ., Korea
PA2-13	116	Mr.	ZHIKAI	HE	Tokyo Institute of Technology	Fabrication of ELGP Nanopore for DNA Sequencing	Zhikai He, Genki Ohkatsu, Akihiro Matsutani, and Yutaka Majima, Tokyo Tech., Japan
PA2-14	125	Mr.	Yosuke	Sugimoto	Tokyo Institute of Technology	Plasmonic color generation by Ag nanopillar arrays	Yosuke Sugimoto, Mana Toma, and Kotaro Kajikawa, Tokyo Tech., Japan
PA2-15	167	Dr.	Hyemi	Han	Korea Institute of Science and National Institute of	High-Level Optoelectronic Encryption Using Near-Infrared	Hyemi Han,1 Suk-kyun Ahn,2 Hyunsu Ju,1, and Jung Ah Lim1, 1 KIST and 2 Pusan Natl. Univ., Korea
PA2-16	174	Dr.	Taichiro	Morimune	Univ. of Tokyo	Organic position sensitive detectors using PEDOT:PSS as a surface	Taichiro Morimune,1 Hirotake Kajii,2 Ayumu Nagakawa,1 Svota Manabe,1 Naoki Takai,1 and Hiroshi
PA2-17	187	Mr.	Kohei	Ohshiro	Hanyang Univ.	A Water-Gated Organic Transistor with a Microfluidic System for Real-	Kohei Ohshiro, Koichiro Asano, Pierre Didier, Nicolas Lobato-Dauzier, Anthony J. Genot, Tsukuru Minamiki,
PA2-18	194	Mr.	Junjae	Park	Hanyang Univ.	Highly Piezosensitive and Biocompatible Mechanotransducer	Junjae Park, Joo Sung Kim, Yunah Kim, and Do Hwan Kim, Hanyang Univ., Korea
PA2-19	198	Dr.	Naoki	Matsuda	AIST,	Surface-enhanced Raman scattering spectroscopy utilizing Au	Masato Doi,1 Tatsuo Umeki,1 Hirotake Okabe,2 and Naoki Matsuda,2, 1 Saga Univ. and 2 AIST, Japan
16:25-17:40: Poster Presentation 2 (Molecular Recognition), Room A							
PA2-20	83	Prof.	Jun Hyup	Lee	Soongsil Univ.	A Self-Assembled Polyimide Layer Based on the Graphene Quantum	Chan Beom Park, Jin-Wook Choi, Seung-Rak Son, Jongil An, Jisung Park, Sovern Kim, and Jun Hyup Lee.
16:25-17:40: Poster Presentation 2 (Molecular Photonics and Electronics), Room B							
PB2-01	104	Ms.	Fu	Ishizuka	Tokyo Institute of Technology	Si-2x2 Single-Molecule Transistors	Ishizuka Fu1, Rui-cong Yu1, Takumi Nishinobo1, Tomohiro Tsuda2, Ryo Takano3, Ryo Shintani2, Kyoko
PB2-02	151	Ms.	Chang Eun	Lee	Yonsei Univ.	3D touchless structural color display for human stimuli sensing	Chang Eun Lee, Chanho Park, Han Sol Kang, Youngdoon Jung, and Cheolmin Park, Yonsei Univ.,
PB2-03	147	Mr.	Ruicong	Yu	Tokyo Institute of Technology	Optimization of Pt Thickness for Heteroepitaxial Spherical (HS-)	Rui-cong Yu, Ryo Toyama, and Yutaka Majima, Tokyo Tech., Japan
PB2-04	161	Mr.	Taebin	Kim	Yonsei Univ.	self-powered sensing structural color display	Taebin Kim, Jae Won Lee, Chanho Park, Kyuho Lee, Chang Eun Lee, Sohee Kim, and Cheolmin Park, Yonsei
PB2-05	99	Mr.	Takumi	Nishinobo	Tokyo Institute of Technology	Carbon-Bridged Oligophenylene Vinylene (COPV2) Single-Molecule	Takumi Nishinobo, Ruicong Yu, and Yutaka Majima, Tokyo Tech., Japan
PB2-06	32	Mr.	Jinhan	Lee	Pukyong National Univ.	Changes in organic solar cell band gap due to thiophene-bridge	Jinhan Lee, Gun Dae Lee, Seong Soo Park, Won Ki Lee, and Youngeup Jin, Pukyong Natl. Univ., Korea
PB2-07	189	Ms.	Chisato	Kobukai	Tokyo Univ. of Agriculture	Preparation and Optical Properties of Cage Structures Composed of	Chisato Kobukai,1 Momo Tada,1 Sadafumi Nishihara,2 Shuji Okada,3, and Yoko Tatewaki,1, 1 Tokyo Univ. of
PB2-08	173	Ms.	Hanna	Lee	Korea Institute of Science and	Self-assembled chiroptical organogelator based on	Hanna Lee,1,2 Hyemi Han,1 Jeong Ho Cho,2 and Jung Ah Lim,1, 1 KIST and 2 Yonsei Univ., Korea
16:25-17:40: Poster Presentation 2 (OLED Materials and Devices), Room B							
PB2-09	149	Dr.	Hyun	Kim	Kyung Hee Univ.	Efficient organic light-emitting diodes using host materials of electron-	Hyun Gi Kim, Sung Soo Kim and Jong wook Park, Kyung Hee Univ., Korea
PB2-10	150	Ms.	Hae-In	Kim	Kyungil Univ.	Synthesis and Characterization of Poly(2-ethynyl-N-(2-furoyl)pyridinium	Hae-In Kim1, Taehyung Kim2, Sung-Ho Jin3, Jongwook Park,4, Kwon Taek Lim5, Sang Youl Kim2,
PB2-11	101	Mr.	Ryotaro	Oku	Univ. of Toyama	Optical Properties of Dielectric/Metal/Dielectric Electrode	Ryotaro Oku, Masahiro Morimoto, and Shigeki Naka, Univ. of Toyama, Japan
PB2-12	165	Ms.	Yuna	Kang	Kyung Hee Univ.	Electroluminescence Property of High Color Purity Using New	Sunwoo Park, Seokwoo Kang, Sangshin Park, Hyukmin Kwon, Yuna Kang, and Jongwook Park, Kyung Hee
PB2-13	176	Mr.	Se Young	Oh	KYUNG HEE Univ	New Blue Emitters including Phenanthro[9,10-dioxazole and	Seokwoo Kang, Sunwoo Park, Sangshin Park, Hyukmin Kwon, Seovung Oh, and Jongwook Park, Kyung Hee
PB2-14	106	Mr.	Masahiro	Ohara	Chiba Univ.	Evaluation of Giant Surface Potential during Evaporation of Alq ₃	Masahiro Ohara, Yuya Tanaka, and Hisao Ishii, Chiba Univ. Japan
PB2-15	177	Mr.	SunWoo	Dae	Kyung Hee Univ.	Synthesis of New Blue Emitting Materials Including	Sangshin Park, Seokwoo Kang, Sunwoo Park, Hyukmin Kwon, Sunwoo Dae, Seungeun Lee, and Jongwook
PB2-16	178	Mr.	chan gyu	Lee	Kyung Hee Univ.	White OLED Emission by Three Emission Layers Including New Blue	Sangshin Park, Sunwoo Park, Hyukmin Kwon, Changyu Lee, Havyoon Lee, and Jongwook Park, Kyung Hee

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【Poster Presentation 1 (15:10-15:40 Short Presentation, 15:40-16:25 Poster Presentation)】
【Poster Presentation 2 (16:25-16:55 Short Presentation, 16:55-17:40 Poster Presentation)】

Poster No.	Abstract No.	Title	Given Name	Family Name	Affiliation	Abstract Title	Authors, and Affiliation
16:25-17:40: Poster Presentation 2 (Electrochromic Materials and Devices), Room B							
PB2-17	158	Mr.	Cho	Cheolhyun	YONSEI	Black-to-Transparent Electrochromic Capacitive Windows with highly	Cheolhyun Cho, Minsu Han, and Eunyoung Kim, Yonsei Univ., Korea
16:25-17:40: Poster Presentation 2 (Other Related Topics), Room C							
PC2-01	50	Mr.	Taehyoung	Kim	KAIST	A Polyacetylene Based Polyelectrolyte via Non-catalyst	Taehyoung Kim,1 Sang Youl Kim,1 Yeong-Soon Gal,2, 1 KAIST, and 2 Kyungil Univ., Korea
PC2-02	86	Dr.	Tsunenobu	Onodera	Tohoku Univ.	Photocatalytic activity of π -conjugated polymer nanocrystals	Tsunenobu Onodera,1 Chanon Pornrungrong,1 Yosuke Miyashita,2, and Hidetoshi Oikawa,1, 1 Tohoku Univ...
PC2-03	56	Prof.	YOUNG MIN	KIM	Department of Polymer	Enhanced dispersion and mechanical properties of	Young-Min Kim,1,2 Jae-Hoon Jeong,1 Eun-Ji Park,1,2 Ji-Eun Lee,2 Soo Yong Park,1 and Ildoo Chung,1 1
PC2-04	87	Mr.	Yuki	Ito	Tokyo Institute of Technology	Power generation with thermoelectric modules using	Yuki Ito, Mana Toma, and Kotaro Kajikawa, Tokyo Tech., Japan
PC2-05	76	Ms.	Jeongeun	Kim	Pukyong National Univ.	Green Synthesis of Janus Hydrogel beads Embedded with 2D Ag	Jeongeun Kim, Jae Hwan Jeong, Hyeonbo Shim, and Mun Ho Kim, Pukyong Natl. Univ., Korea.
PC2-06	195	Ms.	yunsook	yang	Jeju national U	Effect of argon-plasma-jet treatment in ferroelectric polymer film	Yunsook Yang and Woo Young Kim, Jeju National Univ., Korea
PC2-07	97	Ms.	Chang	Fu	Tohoku Univ.	Surface Wettability of Poly(vinylidene fluoride)	Chang Fu, Huie Zhu, and Masaya Mitsuishi, Tohoku Univ., Japan
PC2-08	77	Ms.	Hyeon Jin	Kim	Pukyong National Univ.	Hollow PS microparticles with a tunable open hole	Hyeon Jin Kim, Astrini Pradyasti, and Mun Ho Kim, Pukyong Natl. Univ., Korea.
PC2-09	105	Mr.	Haruki	Takahashi	Chitose Institute of	Evaluation of PDT using light of two wavelengths in gastric cancer cells	Haruki Takahashi, Nobuhiro Umemura, and Liming Li, Chitose Inst. of Sci., and Technol., Japan
PC2-10	79	Prof.	KYUNG-MIN	KIM	Korea National Univ. of	Synthesis and Characterization of Hybrid Polyimide Composites	Seung-Hun Lee1, Ji-Young Noh1, No-Hyeong Park2, Ki-Young Kim2, Jung-Hyurk Lim1, and Kyung-Min Kim1, 1
PC2-11	108	Prof.	Naoki	Ohtani	Doshisha Univ.	Improved conductivity and flatness of solution-processed transparent	Takumi Nojiri, Akihiro Momota, and Naoki Ohtani, Doshisha Univ., Japan
PC2-12	81	Prof.	Jun Hyup	Lee	Soongsil Univ.	Fabrication of Highly Elastic and Optically Transparent Adhesive	Soyern Kim, Jongil An, Seung-Rak Son, Jin-Wook Choi, Jisung Park, Chan Beom Park, and Jun Hyup Lee,
PC2-13	118	Mr.	Genki	Ohkatsu	Tokyo institute of technology	CdS Quantum Dot Single-Electron Transistor	Genki Ohkatsu1, Takumi Nishinobo1, Masaki Saruyama2, Toshiharu Teranishi2, and Yutaka Majima1,
PC2-14	100	Prof.	DAE SEOK	KIM	Pukyong National Univ.	Versatile camouflage coating of photochromic dyes	Heo Jeonghyeon, and Dae Seok Kim, Pukyong Natl. Univ., Korea
PC2-15	126	Ms.	Mingyue	Yang	Tokyo Institute of Technology	Spin-Dependent Single-Electron Transistor based on Pd Nanogap	Mingyue Yang, Ruicong Yu, Takumi Nishinobo., and Yutaka Majima, Tokyo Tech., Japan
PC2-16	111	Ms.	HOANG	ThiThanh TAM	Tokyo Institute of Technology.	Polyethylene Terephthalate (PET) film for daytime radiative cooling	Hoang Thi Thanh Tam, Mana Toma, and Kotaro Kajikawa, Tokyo Tech., Japan
PC2-17	128	Mr.	Kenta	Higashida	Kobe Univ.	Formation of p-n-junction phthalocyanine nanorods and I-V	Kenta Higashida, Iori Sugimoto, Yasuko Koshiba, and Kenji Ishida, Kobe Univ., Japan
PC2-18	112	Ms.	Seonyoung	Jo	Chungnam National Univ.	Absorbency-enhanced hybrid nanofibers by introduction of	Seonyoung Jo, and Taek Seung Lee, Chungnam Natl. Univ., Korea
16:25-17:40: Poster Presentation 2 (Other Related Topics), Room D							
PD2-01	139	Prof.	Jaehoon	Park	Hallym Univ.	Low-Temperature Fabrication of Solution-Processed Indium Oxide	Bokyung Kim,1 Xue Zhang,2 Hyeonju Lee,1 Jin-Hyuk Bae,1 and Jaehoon Park1, 1 Hallym Univ., Korea, 2
PD2-02	188	Prof.	Shigetaka	Katori	National Institute of	Fabrication of TiO2 Thin film by Mist-vapor Deposition and Its	Shoutarou Miyahara and Shigetaka Katori, Natl. Inst. of Technol., Tsuyama College, Japan
PD2-03	140	Prof.	Jaehoon	Park	Hallym Univ.	Effects of Annealing Temperature on the Characteristics of Solution-	Hyeonju Lee,1 Xue Zhang,2 Bokyung Kim Bokyung Kim,1 Jin-Hyuk Bae,1, and Jaehoon Park1, 1 Hallym
PD2-04	191	Dr.	Shigeaki	ABE	Nagasaki Univ.	Development of thermos responsible composite hydrogels using Carbon	Shigeaki Abe,1 Yuko Era,2 Alireza Valanezhad,1 Mariko Nakamura,3 Tomoya Takada,4 and Ikuya Watanabe,1,
PD2-05	153	Mr.	Youngrok	Kim	Inha Univ.	Synthesis of Various Donor-Acceptor Type Conjugated Polymers	Youngrok Kim, Seung-Hwan Jin, and Ye-Jin Hwang, Inha Univ., Korea
PD2-06	196	Mr.	Hiroki	Asai	Mie Univ.	Effect of Motion Behavior of Water droplet on Power Generation	Hiroki. Asai and Yusuke Aoki, Mie Univ., Japan
PD2-07	162	Mr.	Jihun	Jeong	Pukyeong National Univ.	The effect of cellulose nanocrystal on the dye-adsorption performance	Jihun Jeong and Youngho Eom, Pukyeong Natl. Univ., Korea
PD2-08	18	Mrs.	Zheng	Zhang	Univ. of Electro-Communication	Diethylammonium iodide promoting grain growth in Lead-free Tin Halide	Zheng Zhang,1 Muhammad Akmal Kamarudin,1 Ajay Kumar Baranwal,1 Mengmeng Chen,1 Kenji Yoshino,2 Satoshi
PD2-09	163	Ms.	Yun Hyeong	Choi	Pukyong National Univ.	The Effect of Aramid Nanofiber on the Rheological Properties of Poly	Yun Hyeong Choi and Youngho Eom, Pukyong Natl. Univ., Korea
PD2-10	179	Mr.	Thanh Phuong	Cao	Industrial Univ. of Ho Chi Minh	One-pot functionalization of graphene oxide with poly(furfuryl	Thanh Phuong Cao,1 Van Cuong Nguyen,1 Son Q.T. Pham,1 Van Dat Doan,1 Trung Huu Nguyen,1 Hieu Vu-Na Young Kim,1 Suk Hun Sur,1 and Byung Nam Kim,2, 1 Korea Inst. of Footwear & Leather Technol. and 2
PD2-11	193	Ms.	Na Young	Kim	Korea Institute	Investigation of Physical Properties of UHMWPE and HMWPE	Na Young Kim,1 Suk Hun Sur,1 and Byung Nam Kim,2, 1 Korea Inst. of Footwear & Leather Technol. and 2
PD2-12	180	Mr.	Thanh Phuong	Cao	Industrial Univ. of Ho Chi Minh	Synthesis of silver nanoparticles stabilized polymer/graphene oxide	Thanh Phuong Cao,1 Tran Nguyen Minh An,1 Trinh Duy Nguyen,2, Xuan Thang Cao,1, 1 Industrial Univ. of Ho
PD2-13	200	Mr.	BooYoung	Jeong	Korea Institute Footwear &	Study of Polyurethane dispersion(PUD) according to The	Boo Young Jeong1,2, Jae Hwan Chun1, Jung Mi Cheon1, Won Ki Lee3, and Chang Sik Ha 2, 1 Korea
16:25-17:40: Poster Presentation 2 (Nonlinear Optical Materials and Devices), Room D							
PD2-14	124	Ms.	Sayuri	Kimura	Yamagata Univ.	Crystal Structures and Properties of Indocyanine Derivatives with	Sayuri Kimura, Keisuke Ichijo, Ryohei Yamakado, and Shuji Okada, Yamagata Univ., Japan
PD2-15	152	Mr.	Kenta	Rokumyo	Kyushu Univ.	The synthesis of nonlinear optical chromophores with short electro-	Kenta Rokumyo, Alisa Bannaron, and Shiyoshi Yokoyama, Kyushu Univ., Japan
PD2-16	154	Dr.	Hiromu	Sato	Kyushu Univ.	High efficient polymer silicon hybrid EO modulator	Hiromu Sato, Alisa Bannaron, and Shiyoshi Yokoyama, Kyushu Univ., Japan
PD2-17	166	Mr.	Junki	Yokota	Tokyo Institute of Technology	Highly Sensitive Nonlinear Optical Materials based on Photophysical	Junki Yokota, Kohsuke Matsumoto, Koji Usui, Shoichi Kubo, and Atsushi Shishido, Tokyo Tech., Japan