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WED-OR-P01
Excitation dependence of photocurrent in graphene photodetectors on hexagonal boron nitride
Sun Keun Choi*, Minjung Kim*, Ho Ang Yoon**, Sang Wook Lee**, Hyeoksi Choong** (*Sogang University, **Konkuk University)

WED-OR-P02
An effective way to form multi-stacked ferroelectric layers by solution-process and its application to transistor for nonvolatile memory
Won-Yong Lee*, Woo Young Kim**, Jin-Hyuk Bae* (*Kyungpook National University, **Korea Advanced Institute of Science and Technology)

WED-OR-P03
Ultrafast spin-polarized exciton dynamics in conducting polymer polyaniline
Soo-young Cha, Jae-moon Yang, loan Hee Maeng, Seung Jae Oh, Yong Min Hah, Hyun-young Choi (*Yonsei University)

WED-OR-P04
Effects of thermal annealing on the fluorescence and amplified spontaneous emission properties of pentaphenylene thin film
Y. Choi1, L. Mayer1, A. Barsella1, T.T. Chani1, M. Uchiyama1, T. Aoyama1, D. Pitarre1, Koukou D. Dorkendo2, A. Fort2, C. Andraud2, J.W. Wu*, J.C. Ribiere* (*Ewha Womans University, **IPCMS-CNRS-Université de Strasbourg, 1Elements Chemisty Lab., RIKEN, 2CNRS-Lyon, Ecole Normale Supérieure de Lyon, Kyushu University)

WED-OR-P05
A study of relationship between cracks and environmental conditions in solution-processed organic transistor
Jin-Hyuk Kwon*, Gyoong-Tae Park*, Jae-Hyun Kim*, Ji-Hoon Jung*, Dong-Wook Kim**, Jong Sun Choi**, Jinhoon Park***, and Jin-Hyuk Bae* (*Kyungpook National University, **Hongik University, ***Hallym University)

WED-OR-P06
In situ photoemission measurements of interfacial electronic states between poly(3,4-ethylenedioxythiophene) polystyrene and indium–tin oxide
Soohyun Park, Jinkyung Jeong, Younjo Lee, Jisu Yoo, Geesuk Hyeon, Yeunjin Yi (*Yonsei University)

WED-OR-P07
Impedance analysis of carbon nanotube incorporated AC powdervoltactometry devices
Seonheon Won*, Eunji Bae**, SeGi Yu** (*Sungkyunkwan University, **Hankuk University of Foreign Studies)

WED-OR-P08
Bias-stress effect in a 6,13-bis(trisopropylsilyl)ethynyl-penta-thiophene transistor with a solution-processed polymeric insulator
Jae-Hyun Kim*, Gyoong-Tae Park*, Dong-Seok Song*, Dong-Hyuk Kim**, Hyunji Shin**, Jong Sun Choi**, Jinhoon Park***, Jin-Hyuk Bae* (*Kyungpook National University, **Hongik University, ***Hallym University)

WED-OR-P09
Femtosecond transient absorption measurements of energy transport in discotic side-group liquid crystal polymers
J. H. Woo1, Kwang Jin Lee1, Leszek Mazur1,2, E. S. Kim1, F. Ma1, J.-J. Attias1, Y. Xiao1, J.W. Wu1, J.-C. Ribiere2 (*Ewha Woman University, 1University Pierre et Marie Curie, 2Wrocław University (Poland), Kyushu University)

WED-OR-P10
Ultrafast charge separation dynamics at the C60/GaAs(001) interface studied by time-resolved 2-photon photoemission
Jong Won Kim*, Heungman Park**, Xiaoyang Zhu** (*Korea Advanced Institute of Science, **Korea University)

WED-OR-P11
Effect of Inserting Hole Injection Layer in Organic Light Emitting Diodes: Numerical Approach
Byeong Lee, Youngwook Kwak, Taeyoung Won (Inha University)

WED-OR-P12
Stress induced increase of low frequency noise signal in Blue light emitting devices
Tae Jeong Kim, Gyu Tae Kim (*Korea University)
THU-NA-P44
Temperature and gate dependent electrical conductivity of poly[3, 4-ethylendioxythiophene] thin film
Changjung Kim*, Jin Sun Jung*, Seong Hun Yu**, Jun Young Lee**, Jinsoo Joo* (*Korea University, **Sungkyunkwan University)

THU-NA-P45
Nanostructured metal functional layer with to impede a fuel-cladding chemical interaction (FCCI)
Jee Seung Hyun*, Kang Soo Lee***, Young Soo Yoon* (*Gachon University, **Yonsei University)

THU-NA-P46
Environmental sensitivity effect of large area CVD grown graphene on Hexagonal Boron Nitride films
M. W. Iqbal*, M. Z. Iqbal*, Jun Park**, Xiao Zhao Jin**, Chanyong Hwang**, Jongwha Eom* (*Sejong University, **Korea Research Institute of Standards and Science (KRISS))

THU-NA-P47
Synthesis of novel $a$-Fe$_2$O$_3$/carbon composite as an ultrahigh capacity anode material in lithium ion battery
Nitin Kadoba Chaudhuri, Hyeon-Yool Park, Jong-Sung Yu (Korea University)

THU-NA-P48
Highly efficient metal-free phosphorus-doped platelet ordered mesoporous carbon for electrocatalytic oxygen reduction
Dae-Soo Yang, Jung Ho Kim, Min Young Song, Hyeon-Yool Park, Jong-Sung Yu (Korea University)

THU-NA-P49
Characterization of Ti$_x$Zn$_{1-x}$Al$_2$O$_3$ thin films by Sol-Gel method for GPS patch antenna
Wan Nasarudin Wan Jalal, Huda Abdullah, Mohd Syafiq Zulfakar, Mohamad Thariqul Islam (Universiti Kebangsaan Malaysia)

THU-NA-P50
Optimization of single-walled carbon nanotubes concentration for ZnO-based dye-sensitized solar cell
Huda Abdullah, Azimah Omar, Izarmarina Ashshari, Mohd Zikri Razali, Savisha Mahalingam (Universiti Kebangsaan Malaysia)

THU-NA-P51
Preparation and characterization of (1-x)ZnFe$_2$O$_4$ films for wireless patch antenna application
Huda Abdullah, Mohd Syafiq Zulfakar, Wan Nasarudin Wan Jalal, Sabbadin Shara (Universiti Kebangsaan Malaysia)

THU-NA-P52
Wide-field Raman spectroscopy to characterize 2D materials
Jae-Ung Lee, Hyeonsik Cheong (Sogang University)

THU-NA-P53
Gamma irradiation effect on the structural, morphological properties of Zn-Cu doped PVA nanocomposite in Escherichia coli sensor
Noor Azwen Noor Azmy, Norshakidzila Mohamad Nadinudin (Universiti Kebangsaan Malaysia)

THU-NA-P54
Raman spectra of few-layer graphene under the influence energy
The An Nguyen, Jae-Ung Lee, Dahee Yoon, Hyeonsik Cheong (Sogang University)

THU-NA-P55
Self-assembled GaN nano-pyramids on m-plane GaN/Ir rod surfaces
Young S. Park*, Kwang S. Kim*, Seung-Woong Lee**, Hyun Jin Park* (*Pohang University of Science and Technology, **Dongguk University)

THU-NA-P56
An efficient scheme for generating amorphous structures
Yong Yoon, Youngho Kang, Seungwu Han (Seoul National University)

THU-NA-P57
Ultrafast inter-excitonic dynamics in atomically thin MoS$_2$
Sangwan Sim*, Jusang Park*, Jeong-Gyu Song*, Chihui Shik Lee**, Hyungjun Kim*, Hyunyong Choi* (*Yonsei University, **Oregon State University)

THU-NA-P58
Electronic Structure of InP(111)A Semiconductor Surfaces
Hongsuk Yi (Korea Institute of Science and Technology)