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- Applied Physics Division, The Korean Physical Society
- Center for Artificial Low Dimensional Electronic Systems, Institute for Basic Science
- Korean Graphene Society
- Quantum Metamaterials Research Center
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Po-2D17-003
Interfacial effect of WS2/WS2p-n junction on electrical and optical properties
Soo Ho Choi, You Joon Kim, Taeho Kim, Woohui Yang
(Dongguk University)

Po-2D17-004
Exciton resonance and inter-valley exchange in Raman spectra of WS2
Jinho Yang, Jae-Ung Lee, Kangwon Kim, Hyoseok Cheong
(Sogang University)

Po-2D17-005
Field-effect transistor and photovoltaic characteristics of MoS2/rubrene hybrid device
Jeongyon Kim**, Jinsoo Joo*
(*Korea University, **Sungkyunkwan University)

Po-2D17-006
Defect Passivation of Transition Metal Dichalcogenides via a Charge transfer
Van-der-Waals interface.
(*Institute for Basic Science, **University of Texas at Austin, ****University of Cambridge, *****University of California at Berkeley, ******Pennsylvania State University, *******University of California, San Diego)

Po-2D17-007
Synaptic plasticity in 2D layered CrPS4 CBRAM
(*Kookmin University, **Seoul National University, ***Kookmin University, ****Korea University, *****Advanced Analysis Center Korea Institute of Science and Technology)

Po-2D17-008
Band structure measurement of epitaxial ReSe2 monolayer
Byoung Ki Choi*, Soone Ulstrup**, Marcin Mucha-Kruczenski***, Sooyeon Lin****, Hyoseok Cheong***** Young Jun Chang*
(*University of Seoul, **University of Aarhus, ***University of Bath, *****Sogang University, ****Korea University)

Po-2D17-009
Metal Nanosheet-Amorphous InGaZnO Thin Film Hybrid PN Diode and CMOS inverters
Soo Ge Lee, Silah Lee, Seongil Im
(Korea University)

Po-2D17-010
Infrared absorption of MoS2 monolayers on Si wafers with thin SiO2 layers
Ji-Young Kim*, Bora Kim*, Jin-Woo Cho**, Sun-Kyung Kim***, Seokhyun Yoon**, Dong-Seung Kim*
(*Seoul Women’s University, **Kyung Hee University)

Po-2D17-011
Piezoelectric-mediated tuning of electrical properties of MoS2 on ferroelectric thin films
Jin-Jin Jin, Woo Young Yoon, William Jo
(Korea Women’s University)

Po-2D17-012
Thermomagnetic phase transitions of few-layer NiPS3 by using Raman spectroscopy
(Sogang University, **Seoul National University)

Po-2D17-013
Edge invariant large nonlocality in CdV graphene
(**nanoGUNE, **Catalan Institute of Nanoscience and Nanotechnology)

Po-2D17-014
Temperature dependence of exciton peaks in monolayer MoSe2 films
Jeongwon Kim, Jae-Hun Joong, Jee Ha Kim, Mann-Ho Cho, Jee Hoon Kim
(Korea University)

Po-2D17-015
Optical induced grain boundary observation of chemical vapor deposited graphene
Jong Young Lee, Ji-Hwan Lee, Min Jung Kim, Aloysius Soon, Gwan-Hyong Lee
(Korea University)