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(포스터발표 부문)

\* 총 45건

**P1-ap.109\***

**Operando TEM study of Barkhausen effects in 2-D van der Waals ferroelectrics** / KO Kahyun<sup>1</sup>, YUK Ayoung<sup>1</sup>, KIM Junhyung<sup>1</sup>, YOO Hyobin<sup>\*1</sup> (<sup>1</sup>Department of Physics, Sogang University)

**P1-ap.120\***

**Gas Sensing Functionality of Two-Dimensional Semiconductors Coated with Metal-Organic Polyhedra Film** / HONG Youjin<sup>2</sup>, CHOI Jihyung<sup>2</sup>, MOON Wooyeon<sup>4</sup>, KO Kyungmin<sup>5</sup>, SUH Joonki<sup>5,6</sup>, CHOI Kyung Min<sup>3,4</sup>, KO Changhyun<sup>\*1,2,3</sup> (<sup>1</sup>Department of Materials Physics, Sookmyung Women's University, <sup>2</sup>Department of Applied Physics, Sookmyung Women's University, <sup>3</sup>Institute of Advanced Materials and Systems, Sookmyung Women's University, <sup>4</sup>Department of Chemical and Biological Engineering, Sookmyung Women's University, <sup>5</sup>Department of Materials Science and Engineering, UNIST, <sup>6</sup>Graduate School of Semiconductor Materials and Devices Engineering, UNIST)

**P1-ap.124\***

**Exciton-Plasmon Coupling in WS<sub>2</sub> Flakes on Au Nanogratings** / KIM Dong-Wook<sup>\*1</sup>, LIM Seoyoung<sup>1</sup>, CHO Jungyoon<sup>1</sup>, JEONG Jiyun<sup>1</sup>, NGUYEN Anh Thi<sup>1</sup>, CHO Eunseo<sup>1</sup>, SONG Jungeun<sup>1</sup> (<sup>1</sup>Department of Physics, Ewha Womans University)

**P1-ap.204\***

**CuPc hole transport layer and Ag/HAT-CN anode for cost-efficient and stable perovskite solar cells** / OH Hyesung<sup>1,2</sup>, CHOI Seungsun<sup>1,2</sup>, SHIN Woojin<sup>1,2</sup>, JUNG Sehyun<sup>1,2</sup>, KIM Nahyun<sup>1,2</sup>, LEE Hyun Bok<sup>\*1,2</sup> (<sup>1</sup>Department of Physics, Kangwon National University, <sup>2</sup>Institute of Quantum Convergence Technology, Kangwon National University)

**P1-ap.215\***

**Machine learning assisted color design of copper/copper oxide** / LEE Dongik<sup>1</sup>, OH Ju Hyun<sup>1</sup>, KIM Su Jae<sup>2</sup>, JEONG Se-Young<sup>3</sup>, LEE Seunghun<sup>\*1</sup> (<sup>1</sup>Department of Physics, Pukyong National University, <sup>2</sup>Crystal Bank Research Institute, Pusan National University, <sup>3</sup>Department of Optics and Mechatronics Engineering, Pusan National University)

**P1-ap.221\***

**Moiré heterostructure in graphene by xenon adsorption** / HWANG Choongyu<sup>1</sup>, IM Hayoon<sup>1</sup>, IM Suji<sup>1</sup>, KIM Kyoo<sup>2</sup>, LEE Jieun<sup>3,4</sup>, HWANG Jinwoong<sup>3,5</sup>, MO Sung-Kwan<sup>3</sup> (1Department of Physics, Pusan National University, 2Korea Atomic Energy Research Institute, KAERI, 3Advanced Light Source, Lawrence Berkeley National Lab, USA, 4Center for Complex Phase Materials, Max Planck POSTECH Korea Research Initiative, 5Department of Physics, Kangwon National University)

**P1-bp.011\***

**Electrical stimulation for proliferation and differentiation of osteoblast cells in a 3D porous scaffold** / KIM Hyunji<sup>1</sup>, LEE Woo kul<sup>1,2</sup>, LIM Eunju<sup>2</sup> (1Department of Chemical Engineering, Dankook University, 2Department of Convergent Systems Engineering, Dankook University)

**P1-bp.014\***

**UBQLN2 Liquid-Liquid Phase Separation is driven by hydrophobic interactions in vitro and in the cell** / LEE Jong-Chan<sup>1,2</sup>, GWAK Eunha<sup>1</sup>, KIM Jinkwang<sup>1</sup> (1Department of New Biology, DGIST, 2New Biology Research Center, DGIST)

**P1-bp.022\***

**Heterogeneous active diffusion described by Telegrapher's equation** / JEON Jae-Hyung<sup>1,2</sup>, AN Jaehong<sup>1</sup> (1Department of Physics, POSTECH, 2Asia-Pacific Center for Theoretical Physics (APCTP))

**P1-co.108\***

**Lanthanide double-decker complexes as on-surface quantum nanomagnets** / CHOI Dasom<sup>1,2</sup>, SPREE Lukas Emanuel<sup>2</sup>, JANG Won Jun<sup>2</sup>, HOMMEL Caroline<sup>2</sup>, FANG Lei<sup>2</sup>, JUNG Yeonjin<sup>2</sup>, HEINRICH Andreas<sup>2</sup>, COLAZZO Luciano<sup>2</sup> (1Department of Physics, Ewha Womans University, 2IBS - Center for Quantum Nanoscience, Ewha Womans University)

**P1-co.114\***

**Magnetic anisotropy probed by magnetic torque in a van der Waals antiferromagnetic CrPS<sub>4</sub>** / SEO Jae Yeon<sup>1</sup>, LIM Sunghyun<sup>1</sup>, SHIN Hyun Jun<sup>1</sup>, KIM Jong Hyuk<sup>1</sup>, JEONG Ki Won<sup>1</sup>, HONG Jae Min<sup>1</sup>, MOON Kyungsun<sup>1</sup>, KIM Mi Kyung<sup>1</sup>, LEE Nara<sup>1</sup>, CHOI Young Jai<sup>1</sup> (1Department of Physics, Yonsei University)

**P1-co.209\***

**Optimizing WDS measurement conditions for composition analysis of rare-earth boride thin films** / KIM Hyunwoo<sup>1</sup>, PARK Jihun<sup>2</sup>, PANT Rohit<sup>2</sup>, TAKEUCHI Ichiro<sup>2</sup>, LEE Seunghun<sup>1</sup> (1Department of Physics, Pukyong National University, 2Department of Materials Science and Engineering, University of Maryland, USA)

**P1-co.212\***

**Polarization switching dynamics simulation through first order reversal curves method** / KIM Cheol Jun<sup>1</sup>, LEE Jae Yeob<sup>1</sup>, KU Minkyung<sup>1</sup>, LEE Seung Won<sup>2</sup>, AHN Ji-Hoon<sup>2</sup>, KANG Bo Soo<sup>\*1</sup> (1Department of Applied Physics, Hanyang University, 2Department of Materials Science and Chemical Engineering, Hanyang University)

**P1-co.221\***

**Influence of CoO Nanoparticles on the Magnetism of SrCoO<sub>2.5</sub> Thin Film** / BONG Hyungkun<sup>1</sup>, KANG Kyeong Tae<sup>\*1</sup> (1Department of Physics, Kyungpook National University)

**P1-nu.018\***

**Optimization of BGO scintillation crystal and SiPM for KAPAE phase II detector** / KIM Hong Joo<sup>\*1</sup>, JEONG Dongwoo<sup>1</sup>, PARK Hyeoung Woo<sup>1</sup>, JEGAL Jin<sup>1</sup>, LEE Doohyeok<sup>1</sup> (1Department of Physics, Kyungpook National University)

**P1-pa.021\***

**Large-Volume Ultra-Light Cavity for Axion Dark Matter Search** / KIM Hyun-Gyu<sup>\*1,2</sup>, KWON Ohjoon<sup>2</sup>, BYUN Heesu<sup>2</sup>, CHUNG Woohyun<sup>2</sup>, SEMERTZIDIS Yannis K.<sup>1,2</sup> (1Department of Physics, KAIST, 2Center for Axion and Precision Physics Research, IBS)

**P1-pl.008\***

**Experimental Station for Femtosecond EUV Spectroscopy for Warm Dense Matter** / CHO Byoung Ick<sup>\*1,2</sup>, LEE Gyusang<sup>1,2</sup>, KANG Gyeongbo<sup>1,2</sup>, SEONG Ahyun<sup>1,2</sup> (1GIST, 2Center for Relativistic Laser Science, IBS)

**P1-pl.024\***

**중수소 가스 주입에 의한 KSTAR H-mode 디버터-플라즈마 분리의 SOLPS-ITER 전산모사** / HWANG Junghoo<sup>1</sup>, PARK Jae-Sun<sup>2</sup>, PITTS Richard A.<sup>3</sup>, JUHN June-Woo<sup>4</sup>, HAN Yoon Seong<sup>1</sup>, LEE Hyungho<sup>5</sup>, BAK Jun-Gyo<sup>5</sup>, HONG Suk-Ho<sup>6</sup>, CHOE Wonho<sup>\*1</sup> (1Department of Nuclear and Quantum Engineering, KAIST, 2Power Exhaust and Particle Control Group, Fusion Energy Division, Oak Ridge National Laboratory, USA, 3Experiments and Plasma Operation Section, ITER, France, 4Plasma Diagnostics Research Team, KFE, 5Pedestal Stability Research Team, KFE, 6DIII-D National Fusion Facility, General Atomics, USA)

**P1-se.026\***

**Excitation-power Dependence of Whispering Gallery Polaritons in GaN Microwire at Different Temperatures** / KIM Gwang<sup>1</sup>, SUNG Chan Young<sup>1</sup>, SONG Hyun Gyu<sup>2</sup>, CHO Yong Hoon<sup>\*1</sup> (1KAIST, 2Department of Physics, KIST)

**P1-se.029\***

**Ideal interfacial contact using a topologically protected electron injection layer for high-performance WSe<sub>2</sub> photodetector** / CHO Mann Ho<sup>\*1</sup>, KIM Da Jung<sup>1</sup> (Yonsei University)

**P1-st.002\***

**Quantitative Analysis on Co-occurrence Network of Physics Curriculum** / GIM Gahyoun<sup>1</sup>, LEE Sang Hoon<sup>\*1</sup> (Department of Physics, Gyeongsang National University)

**P1-st.006\***

**The classical discrete time-crystals and thermal effects in the two-dimensional kinetic Ising model** / JEONG Kangeun<sup>\*1</sup>, KIM Bong Soo<sup>1,2</sup>, LEE Sung Jong<sup>3</sup> (Department of Physics, Changwon National University, <sup>2</sup>Institute for Soft and Bio Matter Science, Changwon National University, <sup>3</sup>Basic Sciences Research Center, Changwon National University)

**P2-ap.105\***

**Effect of Bi-doping in lead halide perovskite single crystals for photovoltaic applications** / YOUN Sarah Su-O<sup>1</sup>, CHAE Hayoung<sup>1</sup>, KIM Gee Yeong<sup>2</sup>, JO William<sup>\*1</sup> (Department of Physics, Ewha Womans University, <sup>2</sup>Advanced Photovoltaics Research Center, Korea Institute of Science and Technology)

**P2-ap.113\***

**LaVO<sub>3</sub> 박막 위에 전사된 n형 그래핀의 도핑농도에 따른 광학적 및 전기적 특성 연구** / SHIN Donghee<sup>\*1</sup>, 최보균<sup>2</sup>, 이호선<sup>3</sup> (Department of Smart Sensor Engineering, Andong National University, <sup>2</sup>Department of Physics, Andong National University, <sup>3</sup>Department of Applied Physics, Kyung Hee University)

**P2-ap.126\***

**Temperature dependent Raman spectroscopy on magnetic van der Waals Mn<sub>0.5</sub>Fe<sub>0.5</sub>PS<sub>3</sub> with a spin-glass state** / KIM Jieun<sup>1</sup>, LIM Soo Yeon<sup>1</sup>, OH Siwon<sup>1</sup>, SON Suhan<sup>2</sup>, KIM Haeri<sup>2</sup>, PARK Je-Geun<sup>2</sup>, CHEONG Hyeonsik<sup>\*1</sup> (Department of Physics, Sogang University, <sup>2</sup>Department of Physics and Astronomy, Seoul National University)

**P2-ap.128\***

**Observation of Negative Capacitance Effect in Hf<sub>0.5</sub>Zr<sub>0.5</sub>O<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> Bilayer Structure using Short Pulse and PFM Measurements** / YANG Sang Mo<sup>\*1</sup>, KIM Yoon Ki<sup>1</sup>, LEE Jae Heon<sup>1</sup>, AHN Sang Won<sup>1</sup>, JUNG Tae Hyun<sup>1</sup>, SHIN June Hee<sup>1</sup> (Department of Physics, Sogang University)

**P2-ap.207\***

**Optical gain properties and thermal degradation of perovskite thin films under intense optical pulses** / ROH Kwangdong<sup>\*1</sup>, LEE Gayoung<sup>1</sup> (<sup>1</sup>Department of Physics, Ewha Womans University)

**P2-ap.217\***

**Effect of molecular tilt configuration in molecular heterojunction with two-dimensional semiconductor** / EO Jung Sun<sup>1</sup>, SHIN Jaeho<sup>1</sup>, WANG Gunuk<sup>\*1</sup> (<sup>1</sup>KU-KIST Graduate School of Converging Science and Technology, Korea University)

**P2-ap.229\***

**Effects of structural phase transition on the luminescence properties of Eu-doped (1-x)BaTiO<sub>3</sub>-xCaZrO<sub>3</sub>** / SEO Jiwoo<sup>1</sup>, WI Sang Won<sup>1</sup>, LEE Yun Sang<sup>1</sup>, CHUNG Jin Seok<sup>\*1</sup> (<sup>1</sup>Department of Physics, Soongsil University)

**P2-as.004\***

**Atomic structure characterization for future gravitational wave detector's mirror coating material with ePDF analysis.** / KIM Minhyo<sup>1</sup>, LEE Kyung-ha<sup>\*1</sup> (<sup>1</sup>Department of Physics, Sungkyunkwan University)

**P2-at.016\***

**Degenerate NaK Molecular Gases** / PARK Jee Woo<sup>\*1</sup>, LEE Sungjun<sup>1</sup>, CHANG Jaeryeong<sup>1</sup>, KIM Yoonsoo<sup>1</sup>, LIM Younghoon<sup>1</sup> (<sup>1</sup>Department of Physics, POSTECH)

**P2-co.104\***

**Observation of band renormalization in surface-doped black phosphorus** / KIM Yoonyi<sup>1</sup>, PARK Soobin<sup>1</sup>, KIM Keun Su<sup>\*1</sup> (<sup>1</sup>Department of Physics, Yonsei University)

**P2-co.207\***

**First-principles study of the quasi-two-dimensional electron gas at LaInO<sub>3</sub>/BaSnO<sub>3</sub> interfaces** / PARK Se Young<sup>\*1,2</sup>, MINSIK Oh<sup>1,2</sup>, CHOI Min Chul<sup>1,2</sup> (<sup>1</sup>Department of physics, Soongsil University, <sup>2</sup>Origin of Matter and Evolution of Galaxies (OMEG) Institute, Soongsil University)

**P2-co.320\***

**Conversion between Metavalent and Covalent Bond in Metastable Superlattices Composed of 2D and 3D Sublayers** / CHO Mann Ho<sup>\*1</sup>, LEE Changwoo<sup>1</sup>, LIM Hyeonwook<sup>1</sup>, KWON Hoedon<sup>1</sup>, SEONG Yeonwoo<sup>1</sup> (<sup>1</sup>Yonsei University)

**P2-op.003\***

**Non-Destructive Analysis of Thickness of Thin Films using Home-Built Spectroscopic Ellipsometry** / CHOI Soo Bong<sup>\*1</sup>, LEE Heewoo<sup>1</sup>, KIM Jaejoon<sup>1</sup> (<sup>1</sup>Department of Physics, Incheon National University)

**P2-pa.009\***

**Study of the  $J/\psi \rightarrow \Xi^- \bar{\Xi}^+$  at the BESIII experiment** / CHOI Soo Kyung<sup>\*1</sup>, JEONG Jihyeok<sup>1</sup>, KIM Siyeon<sup>1</sup> (<sup>1</sup>CAU-HEP, Chung-Ang University)

**P2-pa.016\***

**Interference effect due to W boson in heavy charged gauge boson search at the LHC** / OH Young Do<sup>\*1</sup>, KIM Jongyeob<sup>1</sup>, LEE JeongEun<sup>2</sup>, PARK Jungsic<sup>1</sup> (<sup>1</sup>Kyungpook National University, <sup>2</sup>Department of Physics, Seoul National University)

**P2-pl.005\***

**활성 산소종 및 질소종의 밀도 측정을 위한 흡광 스펙트럼 해석기법** / HUH Seong-Cheol<sup>1</sup>, KIM Jinwoo<sup>2</sup>, LEE Hyungyu<sup>2</sup>, BAE Jin Hee<sup>1</sup>, LEE Hyeonseung<sup>1</sup>, CHOE Wonho<sup>1</sup>, PARK Sanghoo<sup>\*1</sup> (<sup>1</sup>Nuclear and Quantum Engineering, KAIST, <sup>2</sup>Department of Physics, KAIST)

**P2-pl.014\***

**Study on Beam acceptance of a Laser-accelerated electron beam in a ring-type dipole for Compact light source** / KIM Keon Ho<sup>1</sup>, LEE Hyeon Woo<sup>1</sup>, SHIN Sang Yun<sup>1</sup>, CHO Hee Jin<sup>1</sup>, PARK Seong Hee<sup>\*1</sup> (<sup>1</sup>Department of Accelerator Science, Korea University)

**P2-se.109\***

**Exciton signatures in laterally isolated nanostructure of atomically thin films** / LEE Jae-Ung<sup>\*1</sup>, YEO Jeongin<sup>2</sup>, LIM Seungjae<sup>1</sup>, KIM Taewan<sup>1</sup>, SUH Joonki<sup>2,3</sup> (<sup>1</sup>Department of physics, Ajou University, <sup>2</sup>Department of materials science and engineering, UNIST, <sup>3</sup>Graduate school of semiconductor materials and devices engineering, UNIST)

**P2-se.113\***

**Deterministic control of electron density in atomically thin semiconductor** / KIM Sujeong<sup>1</sup>, LEE Hyeongwoo<sup>1</sup>, JOO Huitae<sup>1</sup>, EOM Seonhye<sup>2</sup>, CHOI Soo Ho<sup>3</sup>, PARK Kyoung-Duck<sup>\*1</sup>, PARK Hyeong-Ryeol<sup>2</sup>, KIM Ki Kang<sup>3</sup> (<sup>1</sup>Department of Physics, POSTECH, <sup>2</sup>Department of Physics, UNIST, <sup>3</sup>Center for Integrated Nanostructure Physics, Sungkyunkwan University)

**P2-se.205\***

**Light-pressure energy harvesting device using multiwalled carbon nanotubes-PZT composite film** / LEE Jeong-Yeon<sup>1,2</sup>, LEE Ha Young<sup>1,2</sup>, RYU Jae-Hoon<sup>1,2</sup>, KIM Sung-Hyun<sup>1,2</sup>, JANG Jun-Hyeon<sup>1</sup>, HWANG Sun-Lyeong<sup>3</sup>, CHUN Young Tea<sup>1</sup>, AHN Hyung Soo<sup>1</sup>, YI Sam Nyung<sup>\*1,2</sup> (<sup>1</sup>Major of Nano-Semiconductor Engineering, Korea Maritime and Ocean University, <sup>2</sup>Interdisciplinary Major of Maritime AI Convergence, Korea Maritime and Ocean University, <sup>3</sup>Department of ICT Convergence Engineering, Kangnam University)

**P2-se.210\***

**High efficiency alkali-alloyed kesterite CZTSSe solar cells** / OTGONTAMIR Namuundari<sup>1</sup>, SHARIF Hamim<sup>1</sup>, ENKHBAT Temujin<sup>1</sup>, ENKHBAYAR Enkhjargal<sup>1</sup>, KIM Junho<sup>\*1</sup> (<sup>1</sup>Incheon National University)

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**Dark current, capacitance voltage, etc. are analyzed by adjusting the halide reaction of the lead halide perovskite solar cell to the applied voltage** / YANG Jungyup<sup>\*1</sup>, SIN Jaegwan<sup>1</sup>, KIM Gisung<sup>1</sup>, KIM Mijoung<sup>1</sup>, KIM Moonhoe<sup>1</sup> (<sup>1</sup>Department of Physics, Kunsan National University)

**P2-te.004\***

**학생들의 연령대별 열 개념과 과학사적 흐름에의 대응** / MOON Sujin<sup>1</sup>, LEE Jiwon<sup>\*1</sup> (<sup>1</sup>Korea National University of Education)