

<우수발표상 수상명단(포스터발표부문)>

* 최우수상 수상

P1-ap.107*

Photodetector device of the transferred large area synthesized few layers MoSe₂ on arbitrary substrate / CHOI Yoonho, LIM Donghyeok, JEONG Jaehun, KIM Dae-Kyoung, CHO Mann-ho* (Institute of Physics and Applied Physics, Yonsei University, Seoul, 120-749, Republic of Korea)

P1-co.107*

Paramagnetic properties in a strong spin-orbit-coupled Jeff=0 double-perovskite: Ba₂YrO₆ / GONG Hoshin¹, KIM Kyoo², KIM Beom Hyun¹, MIN Byung Il^{*1} (¹Department of Physics, Pohang University of Science and Technology (POSTECH), Pohang 790-784, Korea, ²Max Planck POSTECH/Korea Research Initiative MPPC CPM, POSTECH, Pohang 790-784, Korea)

P1-pa.019*

Sensitivity Studies Using only the 2nd Detector in Korea / 김상용*, 김수봉*, 서선희* (서울대학교 물리학과)

P1-pl.009*

Design of phase probe to determine beam energy for 81.25MHz in RAON. / KIM Chanmi^{1, 2}, KIM Gidong¹, WOO Hyungjoo¹, CHUNG Yeonseil¹, KWON Jangwon¹, KIM Eun-San^{*2} (¹IBS, ²Korea university)

P1-se.015*

Generation of exciton-polariton condensates in resonant pumping regime toward exploring quantum fluid / KWON Min-Sik⁺¹, OH Byoung Yong⁺¹, GONG Su-Hyun¹, KIM Je-Hyung¹, KANG Hang Kyu², KANG Sooseok², SONG Jin Dong², CHOI Hyoungsoon^{*1}, CHO Yong-Hoon^{*1} (¹Department of Physics and KI for the NanoCentury, KAIST, Daejeon, Republic of Korea, ²Center for Opto-Electronic Convergence Systems, KIST, Seoul, Republic of Korea)

P2-ap.132*

단결정 구리 박막의 열처리를 통한 CuO, Cu₂O 제작 및 광촉매 응용 / 박인희, 정세영* (부산대학교 인지메카트로닉스 공학과)

P2-co.204*

Superconducting films of BaFe₂As₂ by Cobalt ion injections / OH Myeongjun¹, LEE Jongmin², YEO Sunmog³, LEE Sanghan², JO Younjung^{*1} (¹Department of physics Kyungpook National University, ²Materials science and engineering Gwangju Institute of Science and Technology, ³Korea Multi-purpose Accelerator Complex)

P2-co.512*

Unusual electron self-energy of graphene on a variable dielectric constant material / HWANG Jinwoong¹, RYU Hye-Jin^{2, 3}, WANG Debin⁴, DENLINGER Jonathan², ZHANG Yuegang⁴, LANZARA Alessandra⁵, MO Sung-Kwan², HWANG Choongyu^{*1} (¹Department of Physics, Pusan National University, Busan 46241, Korea, ²Advanced Light Source, Lawrence Berkeley National Laboratory, Berkeley, CA 94709, USA, ³Max Plank POSTECH Center for Complex Phase Materials, Pohang University of Science and Technology, P, ⁴The Molecular Foundry, Lawrence Berkeley National Laboratory, Berkeley, CA 94720, USA, ⁵Materials Sciences Division, Lawrence Berkley National Laboratory and Department of Physics, Unvers)

P2-pl.017*

Effect of the pressure gradient of top pedestal region on the Stability of Edge Pedestal / KIM SangKyeun¹, NAYongSu¹, KWON OhJin² (¹Department of Nuclear Engineering, Seoul National University, Seoul, Korea, ²Department of Physics, Daegu University, Daegu, Korea)

P2-se.019*

Influences of ambient gas on electrical properties of CVD-grown MoS₂ thin films (w/ and w/o Au nanoparticles) / CHO Yunae¹, SOHN Ahrum¹, KIM Sujung¹, KIM Dong-Wook¹, CHO Byungjin², HAHM Myung Gwan³, KIM Dong-Ho² (¹Dept. of Physics, Ewha Womans University, ²Korea Institute of Materials Science (KIMS), ³Dept. of Materials Science & Engineering, Inha University)

* 우수상 수상

P1-ap.103*

Chemical doping for Low Contact Resistance and De-Pinning at the Interface of Molybdenum Based Chalcogenides and Metals / MOON Inyong¹, KIM Changsik¹, NAM Seunggeol², CHO Yeonchoo², SHIN Hyeon-jin², PARK Seongjun², YOO Won Jong¹ (¹Samsung-SKKU Graphene Center (SSGC), SAINT, Sungkyunkwan Univ., Korea, ²Device & System Research Center, Samsung Advanced Institute of Technology(SAIT), Korea)

P1-ap.119*

Excitonic resonance Raman effects of thin film WS₂ / YANG Jinho, KIM Kangwon, LEE Jae-Ung, CHEONG Hyeonsik* (Department of Physics, Sogang University)

P1-ap.135*

위상마이크를 이용한 음파간섭무늬의 시각화 연구 / 김소희, 함성길, 김나경, 김영유, 이기원* (공주대학교 물리학과)

P1-co.126*

Phase change between metallic and insulating magnetic domain wall in epitaxial Sm₂Ir₂O₇ film / KIM Woo Jin^{1,2}, GRUENEWALD J. H.³, KORNETA O. B.^{1,2}, SEO S. S. A.³, NOH Tae Won^{1,2} (¹Center for Correlated Electron Systems, Institute for Basic Science (IBS), Republic of Korea, ²Department of Physics and Astronomy, Seoul National University, Republic of Korea, ³Department of Physics and Astronomy, University of Kentucky, Lexington, KY 40506, USA)

P1-co.228*

Super-Resolved Nanostructure of Intercellular Nanotubes / CHANG Minhyeok, OH Jaeho, LEE Jong-Bong* (Department of Physics, POSTECH)

P1-nu.017*

Bridgeman Growth and Characterization of Ce-doped Cs₂LiGdBr₆ Crystals / JANG Jonghun¹, KIM Hongjoo¹, ROOH Gul² (¹Department of Physics, Kyungpook National University, ²Abdul Wali Khan University, Pakistan)

P1-op.002*

Investigation of the mode spectra in a hexapolar deformed liquid-jet microcavity / KIM Soyun, SHIN Younghoon, MOON Songky, KIM Jinuk, AN Kyungwon* (Department of Physics and Astronomy)

P1-pa.006*

The study of higgs to dimuon search with the CMS detector / KIM Byoungjun, PARK Inkyu*, LEE Jason*

(Department of Physics University of Seoul)

P1-pl.027*

XUV Absorption Spectroscopy Apparatus for Investigating Ultrafast Dynamics in Warm Dense Matters / LEE

Jong-won^{1, 2}, GENG Xiaotao^{2, 3}, JUNG Jaehyung¹, JO Jawon^{2, 3}, KIM Dong-eon^{2, 3}, CHO Byoung-ick^{*1} (¹Department of Physics and Photon Science, GIST, ²Max Planck Center for Attosecond Science, Max Planck POSTECH/KOREA Res. Init, ³Department of Physics, POSTECH)

P1-se.010*

Si 기판 위에 성장한 CdTe/ZnTe 이중 양자점의 결합에 따른 광학적 특성 / 임기홍¹, 진성환¹, 이창렬², 임상엽², 최

진철¹, 이홍석^{*3} (¹연세대학교 물리학과, ²광주과학기술원 고등광기술연구소, ³전북대학교 물리학과)

P2-ap.124*

Control of oxygen octahedral tilt in BiFeO₃/SrRuO₃ heterostructures / LEE Sung Su¹, KIM Young-Min², LEE Hyun-

Jae³, SEO Ok Kyun¹, JEONG Hu Young⁴, HE Qian⁵, BORISEVICH Albina Y⁵, KANG Bo Youn¹, KWON O Woong⁶, KANG Seung Hun⁶, KOO Tae Yeong⁷, RHYEE Jong-Soo⁸, KIM Yun Seok⁶, NOH Do Young⁹, CHO Beong Ki¹, LEE Jun Hee³, JO Ji Young^{*1} (¹School of Materials Science and Engineering, Gwangju Institute of Science and Technology, ²Department of Energy Science, Sungkyunkwan University, ³School of Energy and Chemical Engineering, Ulsan National Institute of Science and Technology, ⁴Central Research Facilities, Ulsan National Institute of Science and Technology, ⁵Materials Science and Technology Division, Oak Ridge National Laboratory, ⁶School of Advanced Materials Science and Engineering, Sungkyunkwan University, ⁷Pohang Accelerator Laboratory, ⁸Department of Applied Physics and Institute of Natural Sciences, Kyung Hee University, ⁹Department of Physics and Photon Science, Gwangju Institute of Science and Technology)

P2-ap.202*

Femtosecond laser-induced confined ablation on SiO₂/Si interface with embedded Au-Ag nanoparticles /

NGUYEN Vinh, REHAMAN Zia Ur, JANULEWICZ Karol Adam*, SUK Hyyong* (Department of Physics and Photon Science Gwangju Institute of Science and Technology)

P2-ap.216*

Interfacial electronic structure study of CuPc/C₆₀/potassium-doped MoO₃ using x-ray and ultraviolet

photoemission spectroscopy. / RYU Bokyoung, JI Donghyun, AHN Sunwoo, RYU Simhee, KIM Jonghoon, IM Yeong

Ji, CHO Sang Wan* (Department of Physics Yonsei University)

P2-as.002*

Novel Camera System to Study Antarctic Ice Properties for Extensions to IceCube / KANG Woosik, BOSE

Debanjan*, JEONG Minjin, KIM Jonghyun, KIM Myoungchul, ROTT Carsten* (Department of Physics Sungkyunkwan University)

P2-co.101*

Asymmetry magnetic hysteresis arising from Dzyaloshinskii-Moriya interaction in lateral symmetry broken

structure / HAN Dong-Soo¹, KIM Nam-Hui^{2, 3, 4}, KIM June-Seo^{1, 2}, YIN Yuxiang¹, KOO Jung-Woo¹, CHO Jaehun⁴, LEE

Sukmock⁴, KL&A UML/UI Mathias³, SWAGTEN Henk J. M.¹, KOOPMANS Bert¹, YOU Chun-Yeol^{*2} (¹Department of Applied

Physics, Center for NanoMaterials, Eindhoven University of Technology, ²Department of Emerging Materials Science, DGIST, ³Institute of Physics, Johannes Gutenberg-Universität Mainz, ⁴Department of Physics, Inha University)

P2-co.308*

Raman mapping study of pigment distribution in wood decoration of Korean cultural heritages / JI Jeong-Eun¹, HAN Kiok¹, KIM Seung¹, KANG Daeill², LEE Hanhyuon², YANG In-Sang¹ (¹Ewha Womans University, Department of Physics, ²Korea National University of Cultural Heritage, Department of Conservation Science)

P2-co.409*

Superconducting proximity effect via quantum-Hall edge states in graphene hybrid devices / PARK Geon-Hyoun¹, KIM Minsoo¹, WATANABE Kenji², TANIGUCHI Takashi², LEE Hu-Jong¹ (¹Department of Physics, Pohang University of Science and Technology, Korea, ²National Institute for Materials Science, 1-1 Namiki, Tsukuba 305-0044, Japan)

P2-co.611*

Structural and Electronic Properties of CdS/ZnS Core/shell Nanowires: A First-principles Study / KIM Hyo Seok, KIM Yong-Hoon* (1Graduate School of EEWS, KAIST, 291 Daehak-ro, Yuseong-gu, Daejeon 305-701, Korea)

P2-co.709*

Effective tight-binding models of gapped Bernal multilayer graphene / PARK Youngju, HAN Moonsup*, JUNG Jeil* (Department of Physics University of Seoul)

P2-co.803*

Kinetics of Internal Strain of Zeolites during the Catalytic Process / KANG Jinback¹, CARNIS Jerome¹, CHUNG Myungwoo¹, KIM Dongjin¹, LEE Heeju^{1,2}, AN Gukil¹, CHA Wonsuk³, HARDER Ross⁴, SONG Sanghoon⁵, SIKORSKI Marcin⁵, ROBERT Aymeric⁵, PHAM Tung Cao Thanh⁶, YOON Kyung Byung⁶, CHOI Yong Nam², CLARK Jesse^{7,8}, ROBINSON Ian K.⁹, KIM Hyunjung¹ (¹Department of Physics, Sogang University, Korea, ²Korea Atomic Energy Research Institute, Korea, ³Materials Science Division, Argonne National Laboratory, USA, ⁴Advanced Photon Source, Argonne National Laboratory, USA, ⁵Linac Coherent Light Source, SLAC National Accelerator Laboratory, USA, ⁶Department of Chemistry, Sogang University, Korea, ⁷Stanford PULSE Institute, SLAC National Accelerator Laboratory, USA, ⁸Center for Free-Electron Laser Science (CFEL), Deutsches Elektronensynchrotron (DESY), Germany, ⁹London Centre for Nanotechnology, University College London, UK)

P2-op.022*

Optically controlled terahertz modulator based on CH₃NH₃PbI₃ perovskite materials / LEE Kyu-Sup¹, KANG Rira², SON Byungwoo¹, KIM Dong-Yu³, YU Nan Ei⁴, KO Do-Kyeong¹ (¹Department of Physics and Photon Science, Gwangju Institute of Science and Technology(GIST), ²Radiation Research Division for Industry &Environment, Korea Atomic Energy Research Institute(KAERI), ³School of Materials Science and Engineering, GIST, ⁴Advanced Photonics Research Institute(APRI), GIST)

P2-pl.032*

Two dimensional simulation of underwater wire explosion driven by pulsed capacitive discharge / LEE Kern¹, CHUNG Kyoung-Jae¹, HWANG Y. S.¹, KIM D.-K.² (¹Department of Nuclear Engineering, Seoul National University, ²Agency for Defense Development)

P2-se.008*

Hydrothermal Synthesis of CuCo₂O₄ electrodes for supercapacitor applications / . Abu Talha A. A, CHAVAN

Harish S., CHO Sanguen, JO Yongcheol, KIM Jongmin, LEE Seongwoo, PAWAR S. M., INAMDAR A. I., KIM Hyungsang, IM Hyunsik* (Division Of Physics and Semiconductor Science, Dongguk University)

P2-st.015*

Crossings and alignments of irreversibly adsorbed Worm-like-chains. / KIM Yunha¹, CHAE Min-Kyung¹, JUNG Youngkyun², JOHNER Albert³, LEE Nam-Kyung¹ (¹Department of Physics Sejong University, ²National Institute of Supercomputing and Networking, KISTI, ³Institut Charles Sadron, University of Strasbourg)

P2-te.003*

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