

그래핀 심포지엄 2023 초록 리스트

발표형태	초록번호	성명	소속	발표제목
POSTER_ PART A	PA01	구도형	고려대학교	Wafer-scale homogenous growth of high-quality tungsten disulfides via catalyst-assisted metal-organic chemical vapor deposition
	PA02	Manh Hong Nguyen	서강대학교	Raman study of anti-ferromagnetic 1L-NiPS ₃ /nL-FePS ₃ heterostructures
	PA03	이진아	성균관대학교	Low temperature direct growth of wafer-scale transition metal dichalcogenide films via remote plasma-assisted chemical vapor deposition
	PA04	임승재	아주대학교	Hyperspectral Investigation of Defects in Monolayer WS ₂
	PA05	박대성	서강대학교	TEM dark field analysis on the atomic scale reconstruction in twisted trilayer graphene
	PA06	최민영	POSTECH	Recrystallization by Grain Boundary Migration: Implication for Single Crystal Growth of 2D semiconductor on Amorphous Substrate
	PA07	박영진	UNIST	Synthesis of 1T' WSe ₂ on an oxygen-containing substrate using a single precursor
	PA09	장민규	UNIST	Multiscale defects effectively manipulate thermal conductivity of atomically thin crystal
	PA10	정수연	한국전기연구원	Highly conductive quasi-defect-free reduced graphene oxide for qualitative scalable production
	PA11	김도현	KAIST	Atomic scale thermoelectric imaging of 1T-TaS ₂
	PA12	강한이	연세대학교	Structural identification of GeSe _{2-x} Te _x nanowires: interlayer twist and twinning
	PA13	김형준	UNIST	Growth of amorphous boron nitride thin films on a wafer scale
	PA14	한창용	고려대학교	In-Situ Oxygen Doping in Wafer-Scale MoS ₂ Thin Films Using MOCVD
	PA15	김진효	KAIST	Effective Lubricating Effect of 0D Nanodiamonds for Highly Bendable and stretchable Graphene Liquid Crystalline Fibers structures
	PA16	장정욱	KAIST	The Flow Field-Flow Fractionation Based Size Selection Methodology Used As Effective Wide-Range Size Separation For Graphene Oxide
	PA17	Colin Cheng	KAIST	Highly Ordered Ti ₃ C ₂ T _x MXene Film with Improved Mechanical Strength and Oxidation Resistance
	PA18	허윤성	아주대학교	Exciton complex and strain-tunable optical nonlinearity in a 2D semiconductor
	PA19	Chenda Vong	서강대학교	Optical spectroscopy of MoS ₂ -WSe ₂ heterostructures
	PA20	안진우	부산대학교	Laser-based Photothermal Reaction for Synthesizing Selectively Doped Laser-Induced Graphene
	PA21	장준원	아주대학교	Effect of Chemical Treatment on Quantum Emitters in WSe ₂
	PA22	문어람	KAIST	Pushing Multilayer MoS ₂ to Its Limit Through Organic Ion Intercalation
	PA23	김동규	연세대학교	Type-II Red Phosphorus: Wavy Packing of Twisted Pentagonal Tubes
	PA24	한승만	아주대학교	Second Harmonic Generation of WS ₂ Nanoscroll
	PA25	여상수	KAIST	Visualize local mechanical properties of magic-angle twisted graphene
	PA26	연지은	연세대학교	Direct Visualization of Charge Density Wave Domains in Rippled GdTe ₃ Using Transmission Electron Microscope
	PA27	이광로	성균관대학교	Double-side charge transfer doping of WSe ₂ via UV-ozone treatment
	PA28	Suchithra Padmajan Sasikala	KAIST	Spontaneous heteroassembly of 2D semiconducting van der Waals materials in random solution phase
	PA29	강정훈	서울대학교	Bowing-Free Continuous Bandgap Engineering of Wafer-Scale Alloyed WS _{2-x} Se _{2(1-x)} Monolayer Films
	PA30	최선연	금오공과대학교	Unpredictably Disordered Distribution of Hetero-blended Graphene Oxide Flakes with Non-identical Resistance in Physical Unclonable Functions
	PA31	고은비	금오공과대학교	Investigation of the Randomness of Graphene Resistance on Self-Assembled Monolayers (SAMs) and Its Application in Physically Unclonable Functions (PUFs)
	PA32	오시원	서강대학교	Modulation of interlayer vibration in bilayer-MoS ₂ /monolayer-WSe ₂ heterostructures
	PA33	최신영	POSTECH	Utilizing Graphene Nanoribbons to Identify Molecular States of Isomers through Electrical Interactions
	PA34	최현규	성균관대학교	Measurement of trap states at the 2D HBN/MoS ₂ Interfaces
	PA35	김민수	UNIST	Structural Disorder and Its Effects on Amorphous Boron Nitride Films
	PA36	이우주	POSTECH	High performance p-type transistor with monolayer WSe ₂ by tellurium contact
	PA37	오주희	GIST	Synthetic Way for Atomically Thin Wurtzite Boron Nitride via Periodic Functionalization
	PA38	신수빈	KIST	Enhanced Antibacterial Filter Using MWCNT-Hanji Composite
	PA39	김동영	POSTECH	Electrochemistry of precisely controlled GB defects in 2D materials
	PA40	여정인	UNIST	High-throughput production of an atomically thin nano-dot array for enhanced excitonic interactions
	PA41	한광희	경희대학교	Highly Tunable Moiré Superlattice Platform on the Twisted Hexagonal Boron Nitrides for Quantum Simulator
	PA42	심재건	서울대학교	Stacking-Order Dependence of Strain in Bilayer Graphene

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	PA43	오현근	서울대학교	Wafer-scale Layer Controlled MoS ₂ Synthesis Using Multi-step Metal Organic Chemical Vapor Deposition
	PA44	손종현	POSTECH	Exfoliated Two-Dimensional Tetracene Molecular Crystals Studied with Polarized Reflectance and Photoluminescence Spectroscopy
	PA45	정영진	서울대학교	Microwave-Assisted Synthesis of ¹³ C-Graphene Quantum Dots as MRI contrast agents
	PA46	오경택	POSTECH	Coulomb Engineering of Dipolar Interaction and Bandgap in Two-Dimensional PTCDA Crystals
	PA47	한상진	POSTECH	Temperature-dependent polarization of 2D tetracene
	PA48	류원석	세종대학교	Theoretical study of electronic structure of Janus 2D materials
	PA49	김민규	KAIST	Alkali Metal Ion-Driven Thin Film Growth of Layered Metal Oxide
POSTER PART B	PB01	심재형	고려대학교	Solvent-confined van der Waals gap engineering to improve energy storage in a 2D layered supercapacitor
	PB02	송옥인	성균관대학교	Inkjet-Printed Electronics Based on Electrochemically Exfoliated 2D Materials
	PB03	김지현	성균관대학교	Solution-Based Processing of Two-Dimensional Materials for High-Performance and Wafer-Scale Electronics
	PB04	이성원	성균관대학교	Ohmic carrier transport at the edge-contacted 2D MoS ₂ field-effect transistors using semi-metallic antimony contact
	PB05	김연호	고려대학교	Gate-dielectric-less MoS ₂ metal-semiconductor field-effect transistor at the Boltzmann switching limit
	PB06	김창민	한국기계연구원	Concurrent Detection of Dopamine and Serotonin: Flexible WS ₂ /Graphene/Polyimide Electrode with Cold Plasma
	PB07	윤여훈	KAIST	Maximized internal scattering in heterostack Ti ₃ C ₂ T _x MXene/graphene oxide film for effective electromagnetic interference shielding
	PB08	전상언	서울대학교	Boosting Unassisted Alkaline Solar Water Splitting Using Silicon Photocathode with TiO ₂ Nanorods Decorated by Edge-Rich MoS ₂ Nanoplates
	PB09	김병국	한국전기연구원	One-step core-shell structuring of silicon suboxide graphene composite anode materials by aqueous reduced graphene oxide: Toward practical use of high-performance lithium ion battery
	PB10	안진용	고려대학교	Interfacial Contact Engineering for Enhancing Optoelectronic Performance in 2D Semiconductor Heterostructures
	PB11	신호성	성균관대학교	Performance-enhanced 2D CMOS inverter controlled with dual gating
	PB12	Weiguang Yang	UNIST	Transition metal atom doped WS ₂ quantum dots for efficient electrocatalytic hydrogen evolution reaction
	PB13	박성민	서울대학교	High-mobility p-type WSe ₂ transistors enabled by remote modulation doping
	PB14	전민지	부산대학교	Low-temperature Photothermal Reaction Synthesis of Vertically Integrated Two-dimensional Heterostructure
	PB15	박태현	가천대학교	Robust and uniform chemical doping effects on the MoS ₂ field effect transistor based on ferroelectric polymer dopant
	PB16	오정엽	KAIST	Large Scale Demonstration of All Solid State MoS ₂ -based Electrolyte Gated Synaptic Transistor with Tunable Organic-Inorganic Hybrid Film
	PB17	신동욱	한밭대학교	Graphite pellicle for EUV lithography technology
	PB18	유주형	부산대학교	Resistive Humidity Sensor using Montmorillonite/Graphene based composite
	PB19	최왕명	가천대학교	PEDOT:PSS/beta-Gallium Oxide/Indium Tin Oxide based Self-Powered Vertical Metal-Semiconductor-Metal UVC photodetector Fabrication for arc discharge detection
	PB20	이혜령	연세대학교	Phantom Model Mimicking the Human Brain for Minimizing Clinical Trials
	PB21	이우석	아주대학교	Hyperspectral Analysis of the Doping Effect in MoS ₂ Transistor
	PB22	조우현	KAIST	Room-Temperature Itinerant ferromagnet Fe ₃ GaTe ₂
	PB23	김환	서울대학교	Symmetrically index-matched waveguides for improving luminescence in two-dimensional semiconductors
	PB24	유건우	POSTECH	Array of One-dimensional Atomic Crystals for Emerging Electronic Platform
	PB25	황은지	KAIST	Gate-induced ferroelectric hysteresis in polar semimetal WTe ₂
	PB26	전우석	서울대학교	Nitrogen ion beam engineering of 2-dimensional metal-organic frameworks for advanced oxygen evolution electrocatalysts.
	PB27	김준희	고려대학교	High-Performance Flexible MoS ₂ Thin Film Transistors with High-κ van der Waals Sb ₂ O ₃ Dielectrics
	PB28	김수한	한국화학연구원	Chemical Vapor Deposition (CVD) growth of PtS ₂ thin film via single-source precursor for high performance optoelectronic devices
	PB29	홍주영	연세대학교	Wireless, graphene-based EEG sensor for clinical monitoring
	PB30	홍소현	숙명여자대학교	Interface engineering of TMDs and CoP heterostructure on Carbon cloth for highly efficient hydrogen evolution reaction
	PB31	정수연	서울대학교	All Solution-Processed MoS ₂ Thin Film Transistors with the Quasi high-k Perovskite Oxide Dielectric
	PB32	박효광	성균관대학교	Anisotropy of metallic contact in 1D edge contacted ReS ₂ Field-Effect Transistors
	PB33	안진영	전남대학교	Thermal Conductivity of 3D Graphene/Metal Composites
	PB34	김준범	KAIST	Characteristic dual-domain composite structure of reduced graphene oxide (rGO) playing electric/electrolyte pathways and its application to performance supercapacitor applications
	PB35	김병규	UNIST	Etching Effects on Amorphous Boron Nitride (a-BN): Key Insights for its Enhanced Application in Semiconductor Device

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	PB36	김선우	금오공과대학교	Janus MoSSe Field-Effect Transistors Based on All-van-der-Waals Heterostructure
	PB37	안새롬	경희대학교	Synthesis of MoS ₂ /FeS ₂ Composite for High-Capacity and Stable Anode Materials in Lithium/Sodium-ion Batteries
	PB38	정윤조	KIST	Facile shellac-based fabrication of graphene oxide films
	PB39	송다솜	한국화학연구원	Self-Powered Multimodal Sensors Based on Two-Dimensional Tin Monoselenide
	PB40	윤태현	서울대학교	Ferroelectric van der Waals semiconductor barristor for ternary memory and logic applications
	PB41	고가현	서강대학교	Operando TEM study of polar domain dynamics in 2-D van der Waals ferroelectrics
	PB42	오세영	UNIST	Atomic-scale observation of quasi-van der Waals interfaces in ZnSe/MoSe ₂ /ZnSe vertical multi-heterostructure
	PB43	김동현	KIST	Atomic-Layer Substitution of Large-Area Transition Metal Dichalcogenides for Enhanced Hydrogen Evolution Reaction
	PB44	박승민	경희대학교	Bright UV Emission from carbon doped hBN
	PB45	이형석	서울대학교	Synthesis of graphene-encapsulated silicon anode materials by chemical vapor deposition for lithium-ion batteries
	PB46	이재호	서울대학교	Two-Dimensional Ferroelectric Field-Effect-Transistor using Hafnium Zirconium Oxide as a Gate Dielectric
	PB47	강봉균	순천향대학교	Graphene-wrapped single phase and mesoporous cobalt metal nanostructures for efficient and stable electrocatalytic hydrogen evolution reaction
	PB48	임민지	KIST	Dual-side doping for a Large Schottky Barrier and Long-Term Stability in Graphene/Silicon Schottky Junction Solar Cells
	PB49	형석기	KIST	Bamboo-like CNT/Laser-Induced Porous Graphene Composite for Flexible Energy Storage.
ORAL	Contri 1	마경열	UNIST	Chemical Vapor Deposition Growth of Single-Crystal Hexagonal Boron Nitride Multilayers
	Contri 2	문지윤	아주대학교	Atomic spalling of van der Waals crystals
	Contri 3	정주현	POSTECH	The role of hydrogen for growth of uni-directional hBN monolayer on germanium
	Contri 4	김승일	아주대학교	Graphene-PMMA laminate via layer-by-layer float-stacking process
	Contri 5	김동영	전남대학교	Top-gate graphene field-effect transistor with a thin HfO ₂ insulator using ALD
	Contri 6	정주영	KAIST	Spin-selective memtransistors based on magnetic graphene
	Contri 7	조병욱	성균관대학교	Interplay of Atomic Defects in Two-dimensional Diluted Magnetic Semiconductors
	Contri 8	지승현	연세대학교	Perovskite Light-Emitting Diode Display enabled by MoS ₂ Backplane Thin-Film Transistors
	Contri 9	김범진	연세대학교	Active-Matrix, Flexible X-ray Detector Based on Large-Area 2D Materials Backplane
	Contri 10	오주승	POSTECH	Crystallographic Imaging of 2D Heterocrystals by Polarization-Resolved Interferometric Second-Harmonic Generation