

2018 Best Poster Awards Winners

Category	Presenter	Affiliation	Presentation Title
Gold Medal	Hyeonwoo Lee	Yonsei Univ.	New application of light momentum : Micro-spraying system
	Wonhee Jo	KAIST	Programmable fabrication of sub-micron bent pillar structures by adopting photo-responsive azopolymer
	Ayoung Choe	UNIST	Flexible smart colorimetric patches based on thermoresponsive polymer microgels and plasmonic nanoparticles
	Choah Kwon	Yonsei Univ.	First Principles Computational Studies on Spontaneous Reduction Reaction of Eu(III) under LiCl-KCl Molten Salt Condition
Silver Medal	Jaemin Shin	Univ. of Seoul	Effects of Baseline Transistor on the Input Characteristics of Phase FET with Pb(Zr _{0.52} Ti _{0.48})O ₃ threshold selector
	Anupam Giri	POSTECH	One-Step Solution Phase Growth of Atomically Thin Transition Metal Dichalcogenide Thin Films Directly on Solid Substrates
	Jeong Min Park	Hanyang Univ.	Nanocrystallization of precipitation-hardened high-entropy alloy through high-pressure torsion process
	Seulki Kang	Ewha Womans Univ.	Binary Self-Assembly of Nanoparticles and Block Copolymers
	Yuhua Quan	Korea Univ.	CD44 Targeted HA-Liposome Could be an Effective Delivery System for Local Intralymphatic Chemotherapy in Regional Lymph Node Metastasis
	JeongDo Yoo	KAIST	Investigation of CuO/Rare-earth Doped CeO ₂ Catalysts System for Both CO and H ₂ oxidation Reactions
	JAESEONG YI	HCTM	Blood Biochemical and Hematological study after Subacute Intravenous Injection of Gold and Silver Nanoparticles and Co-Administered Gold and Silver Nanoparticles of similar sizes

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Best Poster	Byeong Wan An	UNIST	Transparent and Flexible Fingerprint Sensor with Multiplexed Detection of Touching Pressure and Finger Skin Temperature
Best Poster	Seunghyeon Baek	POSTECH	Comparison of high-speed camera and quartz crystal microbalance in impact dynamic study depending on surface energy
Best Poster	INJOONG CHANG	Yonsei Univ.	Obtaining Transmittance of Silicon nanowire array using Phase Elimination Method in Mid-wavelength infrared range
Best Poster	Wan-Seob Cho	Dong-A Univ.	Rigidity makes nanofibers like asbestos in mouse pleural inflammation model
Best Poster	GORO CHOI	KAIST	A Robust, non-cytotoxic surface with antibacterial property via ionic polymer thin film for infection-resistant medical application
Best Poster	Yong Ju Jang	Hanyang Univ.	Proposal of EUV pellicle composite to enhance thermal durability
Best Poster	Suwan Jeon	KAIST	Dependent discrete-continuous mixed variables optimization for nanophotonic structure
Best Poster	Junho Jun	Koera Univ.	Au/WO ₃ 3D photoanode for enhanced photoactivity
Best Poster	Sungjin Jung	POSTECH	Pt(IV)-mediated polymer architecture as redox facilitated gene/drug co-delivery carrier for tumor therapy
Best Poster	Beom Seok Kang	Sungkyunkwan Univ.	WSe ₂ /h-BN synaptic device based on DNA-CTMA biopolymer
Best Poster	Ho-Young Kang	Seoul Nat'l Univ.	Discovering Kinetic Processing Window of Mono Phase Cuprous Oxide at Thermodynamically Metastable Region for Conversion of CO ₂ to Methanol
Best Poster	Cheolhan Kim	Sejong Univ.	Optimization of inorganic fillers in carbon nanotube pastes for field emitters
Best Poster	Hyun Woo Kim	KRICT	Atomic descriptors for computing potential energies of catalytic systems with machine learning approaches

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Best Poster	Inhye Kim	Chungnam National Univ.	Tunable Theranostic Functions of Self-Assembled Peptide Nano-Agents Dictated by Their Supramolecular Structure
Best Poster	Jinhyun Kim	Seoul Nat'l Univ.	Construction of Cancer Genomic Maps in 3D using Phenotype-based Laser-aided cell isolation in High-throughput
Best Poster	Ju Ye KIM	KAIST	Step-dominated Cu electrocatalyst for CO ₂ conversion with high selectivity of C ₂ products
Best Poster	Konhui Kim	GIST	Homogeneous Immunosensor Based on Fluorescence Resonance Energy Transfer for Target Detection
Best Poster	Rhee hyun Kim	KAIST	Hierarchical SnO ₂ nanofibers combining with thin-walled hollow nanospheres for enhancing acetone sensing properties
Best Poster	Seoyeon Kwon	Sookmyung Womens Univ.	Analysis of Thermal, Magnetic and Mechanical Properties by Fe,Co ratio to Fe-based Amorphous Alloys
Best Poster	So-Young Kim	GIST	Effects of deposition temperature of ZnO(:N) for electrical characteristic of graphene barristor
Best Poster	Tae Hyeon Kim	Chungbuk National Univ.	Superior chemical sensing properties of vertically self-formed 2D SnS ₂ channel device
Best Poster	Yeji Kim	KAIST	Correlation between Nanostructure and Mass Activity of Ir Electrocatalyst for Water Electrolyzers
Best Poster	Eun Hye Koh	KIMS	A Surface-Enhanced Raman Scattering Sponge Sensor for simultaneous VOCs Separation and Detection
Best Poster	Donggun Lee	Kongju Univ.	Effects of Ni,ZSM-5 Catalysts Used Different Ni Precursors in the Jet Fuel Production through the Oligomerization of Butene Mixture from Bio-butanol
Best Poster	Seungki Lee	Univ. of Seoul	Photothermally-triggered Molecular Delivery Systems by Using Nanoparticle-embedded Hybrid Hydrogels
Best Poster	Sunjong Oh	KIMM	Magnetic tactile sensor inspired by human synaptic system

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Best Poster	Jong G. Ok	SEOULTECH	Fab-free fabrication of flexible nanopattern patches by continuous nanoinscribing and low-temperature roll imprinting
Best Poster	Byeong Ju Park	Chungnam National Univ.	High Quality Graphene Synthesized Directly at 150 °C via Chemical Vapor Deposition without Transfer Process
Best Poster	Ji Yong Park	Seoul National Univ.	Large scale preparation for PET/MR Imaging agent with different size of Ultra-Small Iron Oxide Nanoparticle and Application.
Best Poster	Iman Sajedian	POSTECH	Predicting resonant properties of plasmonic structures by deep learning
Best Poster	Sejong Seong	Hanyang Univ.	Enhanced photocatalytic Ag/ZnO core/shell nanoparticles fabricated by atomic layer deposition
Best Poster	Sul Hwa Song	Hoseo Univ.	In vitro carcinogenic potentials of several multi-walled carbon nanotubes (MWCNTs) and carbon nanofibers (CNFs) using in vitro alternative methods
Best Poster	Jella Venkatraju	Chungnam National Univ.	Flexible piezoelectric generator based on MAPbI ₃ -PVDF composite films
Best Poster	THI NHAT LINH VO	KIMS	Plasmon-Enhanced Photocatalysis in Visible Range by TiO ₂ /Ag NWs Composite Nanomaterials
Best Poster	Zhijun Zhao	KIMM	Fabrication of 3D Periodic Metal-Nanostructures Based on the Nanowelding