

## POSTER SESSION 2 | WED 4 FEB & THUR 5 FEB

No	Presenter name	Poster title	Theme
01	Yang Liu	Fabrication of Freestanding Single-Crystalline Perovskite Nano Membrane and its optical properties investigation	Nanoelectronics
02	Deepak Sharma	Flat Electron Sources for MEMS Electron Microscopes Using Nanoscale Vacuum Channel Arrays	Nanoelectronics
03	Jeongdai Jo	Nano/Micro Thin-Film Coating Processes of Carbon Materials for Secondary Battery Current Collectors	Nanoenergy
04	Jimin Kwon	Fluorinated Liquid Metal Interlayer for Uniform Li Deposition in Anode-Free All-Solid-State Batteries	Nanoenergy
05	Youngil Lee	Nanostructural Engineering of VPO5 Anodes by Nb doping for High-Performance Lithium-Ion Batteries	Nanoenergy
06	Duc Khanh Tran	Aligned PVDF-TrFE nanofibers for wearable and flexible sensors based on the piezo-pyroelectric coupling effect	Nanoenergy
07	Yunping Tu	An Acoustofluidic Circulatory System for Dynamic Evaluation of Thrombosis Under Physiological Flow Conditions	Nanofluidics and Mechanobiology
08	Maria Edwards	Cutting-edge slices: An ex vivo 3D tumour platform for dopaminergic nanomedicine testing	Nanomedicine
09	Marta Piccioni	The effect of gold nanoparticles in electrospun keratin-based scaffolds for bone tissue regeneration	Nanomedicine
10	Seungjin Park	Neutron shielding via boron nitride nanotube-agarose composites without form factor constraints	Nanomembrane and Environment
11	Nina Popov	Optimizing the Performance of a Diarylcyclopentene/PMMA Composite for Efficient Optical Information Storage	Nanophotonics
12	Jimin Seong	Molecular Design of Benzylcyano-Coumarin Yellow Colorants for Narrow-Band Green in Micro-LED Displays	Nanophotonics
13	Gyuseop Moon	Design and synthesis of highly efficient photo-acid generators for high-resolution semiconductor lithography	Nanoscale Semiconductor
14	Muhammad Tamoor Ansar	Optoelectronic effect in Ti/n-4H-SiC/n <sup>++</sup> -4H-SiC double junction for UV photodetection	Nanosensor
15	Bakir Babic	Non-Contact Atomic Force Microscopy for Dimensional Nanometrology	Nanosensor

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16	Xiaohu (jayden) Chen	Solvent-Engineered Nano–Micro Cluster Arrays as Robust Scaffolds for Hierarchical Hybrid Architectures	Nanosensor
17	SRIJITA DE	Liquid Crystal Emulsion Sensor for Sensitive Detection of Inflammatory Disease	Nanosensor
18	Lorenzo Faraone	SWIR tunable spectrometer with extended-range	Nanosensor
19	Fabian Garayrairan	Optimisation of Electrochemical Nanomanufacturing by Machine Learning and Computer Vision	Nanosensor
20	Jihyeon Jeon	Effects of Biaxial Strain on Magnetic-Field Sensitivity of Dressed NV Qubits	Nanosensor
21	Xinyang Li	Moisture-resistant polydiacetylene-based colorimetric sensors for meat spoilage detection	Nanosensor
22	Suthira Pushparajah	Innovative Electrochemical Aptasensing Strategy Using Molecularly Imprinted Polymer for Carbendazim Detection	Nanosensor
23	Minh Canh Vu	Electrohydrodynamic Fabrication of Silica Microtips for SERS-Based Microscale pH Sensing	Nanosensor
24	Haesik Yang	Au nanoparticle-catalyzed electron transfer to electrodes for enhanced biosensing sensitivity	Nanosensor
25	Bao Yue Zhang	Two-dimensional metal oxides for next-generation biochemical sensing	Nanosensor
26	Fadhli Rizal Makarim	Inflammation-driven NF- $\kappa$ B and Nrf2 activation by UV-Weathered Microplastics in an Inflamed triple culture model of human intestine	Nanotoxicology
27	Gokulakrishnan Kumar	Scanning Tunneling Microscopy of Hydrogen Desorption on Diamond (100): Towards Atomic-scale Device Patterning	Quantum Nano
28	Gokulakrishnan Kumar	Atomic-Scale Investigation of Silicon-Terminated Diamond (100) Surfaces using Scanning Tunneling Microscopy	Quantum Nano
29	Aswandi Wibrianto	Hair-coated gold nanowire as an electro-mechanical profiling of dynamically beating human cardiac organoids	Soft Bioelectronics