

Poster Set-Up: February 25(WED) 9:00AM~5:00PM

Poster Session: February 25(WED) 6:30PM~9:00PM

Simposium 5: Self-Power Generators

| Poster No. | Control ID | Presenter | Title |
|------------|------------|-----------------|--|
| S5-1 | 2096753 | Park, Yong-Kyu | Fabrication of BSTO Particle Film-based Piezoelectric Device and Its Ink-Formation for Cochlea Hair Cell |
| S5-2 | 2108052 | Chun, Jinsung | Inner-Pore Contact Electrification based Spaceless Bulk Sponge Triboelectric Generator |
| S5-3 | 2108232 | Ryu, Hanjun | A Study of Passivation affecting Power Output of Zinc Oxide Based Piezoelectric Nanogenerators |
| S5-4 | 2108250 | Kim, Tae Yun | Neutralizing effects of acceptor dopants on the enhancing piezoelectric potential of ZnO nanowires |
| S5-5 | 2108509 | Yoon, HongJoon | Highly effective piezoelectric nanogenrator and self-powered pressure sensor using micro-structured film |
| S5-6 | 2108543 | Kim, Kyeong Nam | Silk fibroin-based Biodegradable Piezoelectric Composite Nanogenerators using Lead-free Ferroelectric Nanoparticles |
| S5-7 | 2109073 | Cho, Eun Bi | The effect of Ferroelectric Coupling on Energy Band Structure of Photovoltaic Device with Hybrid Heterojunction based on Self-Organized P(VDF-TrFE) Nanomatrixes |
| S5-8 | 2109413 | Kim, Ji-hyun | The self-powered triboelectric active Sensors for Sensitivity and Selectivity alcohol vapors detection at Room Temperature |
| S5-9 | 2111100 | Lee, Ju-Hyuck | Stretchable piezoelectric-pyroelectric hybrid nanogenerator |
| S5-10 | 2111137 | Kim, Tae-Ho | Two-Dimensional Vanadium-Doped ZnO Nanosheet-Based Flexible Direct Current Nanogenerator |
| S5-11 | 2111420 | Lee, Jeong Hwan | Sponge Structure-Based Hydrophobic Triboelectric Nanogenerator |
| S5-12 | 2111430 | Lee, Younghoon | Cam-based Triboelectric System for Rotation Energy Harvester |
| S5-13 | 2111475 | Jeon, jihoon | Development of Piezoelectric and Photovoltaic Hybrid Measurement System under 1 sun condition |
| S5-14 | 2111570 | Han, Sang A | High-k dielectric layer on graphene using hexagonal boron nitride buffer layer for triboelectric nanogenerator |
| S5-15 | 2112050 | Kim, Sung Kyun | An Essential Smallest Size Power Package of 2D Nanosheet/Anionic Nanoclay Hetero-junction for Wireless Nanoscale systems |
| S5-16 | 2112080 | Park, Hye-Jeong | High Performance Hybrid Triboelectric Nanogenerator by Controlling Piezoelectric ZnSnO3 Nanocubes |
| S5-17 | 2113683 | Chun, Jinsung | Highly Anisotropic Power Generation based Self-powered Wrist Motion Sensor in Piezoelectric Hemispheres Composed Stretchable Composite Film |
| S5-18 | 2113857 | Kwon, Young-Tae | Hybridized colloidal ZnO nanoparticles-Graphene composite for UV detector |
| S5-19 | 2114014 | Lee, Sangmin | Oscillating motion based sustainable triboelectric nanogenerator |
| S5-20 | 2114053 | Kim, Wook | Mechanical Mode Dependency of Output Power for Piezoelectric Nanogenerators |
| S5-21 | 2114122 | Noh, Myoung-Sub | Optimization of electrode gap sizes for high performance IDE type flexible piezoelectric thin film energy harvester |
| S5-22 | 2114242 | Bhatia, Divij | Mechanical Design for Durable Tribo-Electric Generators |
| S5-23 | 2111342 | Kim, Seongsu | Transparent, Flexible Graphene Triboelectric Nanogenerators |