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Presentation Code	Abstract Title	Author	Affiliation
TS01F6_O_1	Advanced Heat Utilization System by Thermoelectric Generator via Ferroelectric Effect	Ji Young Park, Sun-Woo Kim, and Jeong Min Baik	Sungkyunkwan University
TS02W1_O_1	Thermal Runaway Mechanism of Ni-Rich Cathode Full-Cell	Sugeun Jo ^{1,2} , Sungjae Seo ¹ , Ikcheon Na ¹ , Sebastian Kunze ¹ , Munsoo Song ¹ , Sung Pil Woo ³ , Song Kyu Kang ² , San Hwang ¹ , Won Bae Kim ² , SoHee Kim ³ , and Jongwoo Lim ¹	1Seoul National University, 2POSTECH, 3Samsung SDI
TS03W2_O_3	Influence of Center Atom of Ionic Liquids on the Performance of the Lithium-Mediated Electrochemical Ammonia Synthesis	Jinwoo Chu, Sungbin Yang, and Byungha Shin	KAIST
TS05T3_O_4	Amorphization of Si-Ge by Non-Equilibrium Eutectic Reaction in a Liquid Quenched Al-Si-Ge Alloy	Rui Yamada, Yuta Konno, Junpei. T. Okada, Takeshi Wada, and Hidemi Kato	Tohoku University
TS06F7_O_3	Investigation of Improved NO ₂ Sensing Property of Substitutional Transition Metal-Doped Molybdenum Disulfide based on In-situ Raman Analysis	Jae-Woo Seo, Ga-Yeon Baek, Seung-Ho Choi, Yeon-Joo kim, and Seon-Jin Choi	Hanyang University
TS07W1_O_1	Sintering-Free Liquid Metal Ink for Spray-Printed Wearable Electronics	Sangwon Kim ¹ , Sangin Kim ¹ , Tae Young Kim ¹ , Kijun Park ¹ , and Jungmok Seo ^{1,2}	1Yonsei University, 2Lynk Solutec Inc.
TS08T4_O_4	Nanoscale Crack-Induced Ultrasensitive Piezoresistive Sensor for Monitoring of Hemodynamics	Jae-Hwan Lee ¹ , Yoon-Nam Kim ¹ , Jun-Sang Lee ² , and Seung-Kyun Kang ¹	1Seoul National University, 2Purdue University
TS09W1_O_2	Advanced Osteoarthritis Therapy with Nitric Oxide-Scavenging Hyaluronic Acid Nanoparticles	Yunyoung Nah ¹ and Won Jong Kim ^{1,2}	1POSTECH, 2OmniaMed Co., Ltd.
TS10T5_O_3	Two-Dimensional Materials-Based Transistor and Photodetector Array for High-Performance Flexible X-ray Detector	Beom Jin Kim ¹ , Bangjie Shao ² , Chai Yang ² , and Jong-Hyun Ahn ¹	1Yonsei University, 2The Hong Kong Polytechnic University
TS11W1_O_3	Analytic Overlap Integral Computation for Enhanced Multi-Waveguide Fourier Coupled-Mode Theory	Sehyeon Jeong, JongHyun Lee, Myeonggyu Choi, and Hwi kim	Korea University
TS12T5_O_5	Completely Annealing-Free Flexible Perovskite Quantum Dot Solar Cells Employing UV-Sintered Ga-Doped SnO ₂ Electron Transport Layers	Wooyeon Kim, In Choi, Subin Yu, Seoyeong Lee, Jae Yeon Kim, Jae Won Jang, and Min Jae Ko	Hanyang University
TS13F7_O_7	Enhancement of Printing Accuracy of Ceramics through a Novel Flashing Process	Shakeel Abbas ^{1,2} , Yeong-Jin Choi ² , Chang Woo Gal ² , and Hui-suk Yun ^{1,2}	1UST, 2KIMS
TS14T4_O_2	Moiré Charge Localization in Twisted Freestanding Oxide Membranes	Min-Su Kim ¹ , Kyoungjun Lee ² , Kyung Song ³ , Teruyasu Mizoguchi ⁴ , Ryo Ishikawa ⁴ , Ki-Tae Eom ² , Mark S. Rzchowski ² , Chang-Beom Eom ² , and Si-Young Choi ^{1,5}	1POSTECH, 2University of Wisconsin-Madison, 3KIMS, 4University of Tokyo, 5IBS
TS15W2_O_4	Presentation of Nanomaterial Grouping Methodology based on NanoApp	Bogyeoum Choi ¹ , Sanghun Kim ^{1,2} , Marie-Leonie Bohlen ² , and Hyun Pyo Jeon ^{1,2}	1Kyungsung University, 2The Safe Europe
TS16W2_O_4	Efficient and Transferable Many-Body Noncovalent Interaction Model for Water: The SAPT-MLW	Kyeong-Jun Jeong and Chang Yun Son	POSTECH