



2019년 2월 15일(금), 09:00-10:45

Room J (란실, 5층)

[FJ1-P] Battery and H₂ Generation Devices

좌장: 이철호 교수(고려대학교)

FJ1-P-1 09:00-09:15	Aligned Orientation of Orthorhombic MoO₃ with Oxygen Vacancies via Electron-Beam Evaporator: Pseudo-Capacitive Charge Storage Materials Dong Kyu Lee ^{1,2} , Jun Hwa Kwon ³ , Geonho Kwak ² , Jinheon Park ² , Seyoung Jeong ² , Jeongsik Kang ² , Kwang Sup Eom ³ , and Hak Ki Yu ^{1,2} ¹ Department of Energy Systems Research, Ajou University, ² Department of Materials Science and Engineering, Ajou University, ³ School of Materials Science and Engineering, GIST
FJ1-P-2 09:15-09:45	[초청] Microfabrication of Nano/Micro Silicon Structures for Lithium-ion Batteries Yeongae Kim ¹ , Hyun-Wook Lee ² , and Seok Woo Lee ¹ ¹ School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, ² School of Energy and Chemical Engineering, UNIST
FJ1-P-3 09:45-10:00	Effect of Pt Morphologies on Photoelectrochemical Water Splitting on GaAs for Hydrogen Production Keorock Choi ^{1,2} , Inkyu Moon ^{1,2} , and Jungwoo Oh ^{1,2} ¹ School of Integrated Technology, Yonsei University, ² Yonsei Institute of Convergence Technology, Yonsei University
FJ1-P-4 10:00-10:15	Nickel/Carbon Catalyst with High Specific Surface Area for Sodium Borohydride Hydrolysis Jaeyeong Lee ^{1,2} , Hojun Shin ² , Saebuyul Hyun ² , Sujin Cho ² , and Hak Ki Yu ^{1,2} ¹ Department of Energy Systems Research, Ajou University, ² Department of Materials Science and Engineering, Ajou University
FJ1-P-5 10:15-10:30	Atomically Thin Heterojunction Catalysts for Efficient Photoelectrochemical Hydrogen Production Jae Yoon Lee ¹ , Sungwoo Kang ^{2,3} , Donghun Lee ¹ , Seokhoon Choi ^{2,3} , Sooho Choi ⁴ , Soo Min Kim ⁵ , Seung Hoon Yang ¹ , Yoon Seok Kim ¹ , Ki Chang Kwon ^{2,3} , Haeli Park ¹ , Woong Huh ¹ , Hee Seong Kang ¹ , Seungwu Han ^{2,3} , Ho Won Jang ^{2,3} , and Chul-Ho Lee ¹ ¹ KU-KIST Graduate School of Converging Science and Technology, Korea University, ² Department of Materials Science and Engineering, Seoul National University, ³ Research Institute of Advanced Materials, Seoul National University, ⁴ Department of Physics, Dongguk University, ⁵ Institute of Advanced Composite Materials, KIST
FJ1-P-6 10:30-10:45	Atomic-Layer Deposition of Crystalline BeO for Gate Dielectrics of Wide-Bandgap Power Transistors Seung Min Lee ^{1,2} , Jung Hwan Yum ³ , Eric S. Larsen ^{3,4} , Christopher W. Bielawski ^{3,4} , and Jungwoo Oh ^{1,2} ¹ School of Integrated Technology, Yonsei University, ² Yonsei Institute of Convergence Technology, Yonsei University, ³ Center for Multifunctional Carbon Materials, IBS, ⁴ Department of Chemistry, UNIST