

PROGRAM BOOK



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MoP-038

Rolled MoS₂ : Fabrication and Their Properties

Sung Won Kim¹, Jeonghyeon Na¹, Tae Woo Uhm², Won Ryeol Choi¹, Sooho Choi³, Jae-Ung Lee⁴, Woochul Yang³, Hyeonsik Cheong⁵, and Sung Ho Jhang¹

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MoP-039

Role of Surface Optical Phonons in the Resistivity of Graphene

Young Gyu You, Jeonghwan Ahn, Bae Ho Park, Yongkyung Kwon, and Sung Ho Jhang
Konkuk Univ., Korea

MoP-040

Liquid-phase Exfoliation of Transition Metal Dichalcogenide Nanosheets with Amine Modified Polymer Dispersants and Nanocomposites

Hyekjung Lee and Cheolmin Park
Yonsei Univ., Korea

MoP-041

Layer-Confined Excitonic Insulating Phase in Ultrathin Ta₂NiSe₅ Crystals

So Young Kim^{1,2}, Youngwook Kim¹, Chang-Jong Kang¹, Eun-Su An^{1,2}, Hyoung Kug Kim^{1,2}, Man Jin Eom¹, Minkyung Lee^{1,2}, Chibeom Park², Tae-Hwan Kim^{1,2}, Hee Cheul Choi^{1,2}, Byung Il Min¹, and Jun Sung Kim^{1,2}

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MoP-042

Dispersity Control of Reduced Graphene Oxide and Their Application in Inverted Organic Solar Cells as Hole Transport Layer

Jong-jin Park and Dong-Yu Kim
GIST, Korea

MoP-043

Tuning The Electronic Structure of Single-Walled Carbon Nanotube by High-Pressure H₂ Exposure

Hojin Kang¹, Sung Ju Hong², Min Park³, Byung Hun Kim⁴, and Yung Woo Park¹

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MoP-044

n-Doping Effect on Few-Layer WSe₂-Based Thin Film Transistors through Gold-Tetraphenylporphyrin (Au-TPP) and Application to Photodetector

Dong Seop Lee¹, Jun Young Kim¹, Dae-young Shin¹, Suk Joong Lee¹, Jeongyoung Kim², and Jinsoo Joo¹
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