[TS06W1]

Hybrid Nanomaterials for Convergent Science and Emerging Technologies 1

Date & Time	July 8(Wed.), 2026 / 09:30-11:00
Place	Room 307
Session Chair(s)	Dr. Donghwi Cho (KRICT)

TS06W1_O_1 ***YSA Applied** 09:30-09:45

Scalable 2D Van Der Waals Heterostructure Interfaces for Enhanced Electrochemical Water Splitting

Yun Seong Cho[1] and Joohoon Kang[2]
([1]Sungkyunkwan University, [2]Yonsei University)

TS06W1_O_2 ***YSA Applied** 09:45-10:00

Rapid Joule Heating for Engineering MXene-Based Materials in Energy and Catalysis

Jeesoo Yoon[1], Aqil Jamal[2], Issam Gereige[2], and Hee-tae Jung[1]
([1]Korea Advanced Institute of Science and Technology, [2]Saudi Aramco-KAIST CO_2 Management Center)

TS06W1_O_3 10:00-10:15

MXene Composites with Polymer Infiltration for Flexible Pressure Sensors

Daegwon Noh and Eunsoon Oh
(Chungnam National University)

TS06W1_O_4 ***YSA Applied** 10:15-10:30

Large-Area Application of Nanocrystalline Ni-Co-Fe Alloy-Carbon Composite for Electromagnetic Interference Shielding

Jihun Lee[1], Yun Seong Cho[2], and Joohoon Kang[1]
([1]Yonsei University, [2]Sungkyunkwan University)

TS06W1_O_5 ***YSA Applied** 10:30-10:45

Carbon Nanoparticle-Loaded Yolk-Shell Structures for Photothermal Films

Bora Jeong and Jae-Hyuk Kim
(Pusan National University)

TS06W1_O_6 ***YSA Applied** 10:45-11:00

Atomic-Scale Interface Engineering of Multiscale 3D Palladium Architects for Ultrasensitive Hydrogen Sensing

Ahyeon Cho[1], Hojin Kang[2], Jihyung Kim[1], Hee-Tae Jung[1], and Soo-Yeon Cho[2]
([1]Korea Advanced Institute of Science and Technology, [2]Sungkyunkwan University)