

Joint International Conference on The 8th ICMAP & The 9th ISFM

January 17-20, 2021 | Online Conference

[SB1] 2D Materials and Their Application to Nano/Micro Devices I	
Date / Time	January 17 (Sun.), 2021 / 14:20-15:50
Place	Channel B
Session Chair(s)	Sun Kook Kim (Sungkyunkwan Univ., Korea)

[SB1-1] Invited

14:20-14:50

Flexible Electrode Coated with MoS₂ for the Highly Sensitive Detection of Endocrine Hormones

Minho Lee¹, Taesung Kim², Hyeong-U Kim², and Hyeyoun Kim¹

¹Chung-Ang Univ., Korea, ²Sungkyunkwan Univ., Korea

[SB1-2]

14:50-15:10

Identification of Chemical Warfare Agents with an Optimized Multi-Array SAW Detector

Hyewon Park, Jinuk Kim, Jihyun Kim, Byung Il Seo, and Joo-Hyung Kim

Inha Univ., Korea

[SB1-3]

15:10-15:30

Biogenic Chitosan Nanoparticles-Functionalized MoS₂ Nanocomposite Based Resistive Device for Pollutant Monitoring

Mandar Shirolkar, Pooja Deshpande, Rujuta Athavale, Nidhi Sapre, and Atul Kulkarni

Symbiosis Internat'l (Deemed Univ.), India

[SB1-4]

15:30-15:50

Multilayer MoS₂ Biosensor for Ultrasensitive Detection of Cortisol

Seung Ho Baek, Heekyung Park, Anamika Sen, and Sunkook Kim

Sungkyunkwan Univ., Korea