

Session Title:	[Fr2J] Plasmonics IV
Session Date:	August 9 (Fri.), 2024
Session Time:	10:45-12:15
Session Room:	Room J (201-202)
Session Chair(s)	Prof. Bumki Min (KAIST, Korea)

[Fr2J-1] 10:45-11:00

White Light-Driven Extraordinary Fluorescence from Monolayer of Semiconductor Nanoplatelets in Gap Plasmon

Deepshikha Arora, Nhung Vu Cam, Wenjie Zhou (Singapore Univ. of Tech. and Design, Singapore), Shijia Cheng, Akhil Syed, Emek Goksu Durmusoglu (Nanyang Technological Univ., Singapore), Parvathi Nair Suseela Nair, Thu Ha Do (A*STAR, Singapore), Golnoosh Zamiri (Singapore Univ. of Tech. and Design, Singapore), Ha Son Tung (A*STAR, Singapore), Volkan H.V. Demir (Nanyang Technological Univ., Singapore), and Joel K.W. Yang (Singapore Univ. of Tech. and Design, Singapore)

[Fr2J-2] 11:00-11:15

Nonlocal Response Theory for Enhanced Photoluminescence of Molecule Coupled with Plasmonic Nanocavity

Yoshitsugu Tomoshige, Mamoru Tamura, and Hajime Ishihara (Osaka Univ., Japan)

[Fr2J-3] 11:15-11:30

Plasmonic Arrayed Physical Unclonable Functions with Scalable Encoding Capacity

Juntao Duan, Yizhe Xiong (Harbin Inst. of Tech., China), Yuanzheng Ma, Xun Guan (Tsinghua Univ., China), and Jiawei Wang (Harbin Inst. of Tech., China)

[Fr2J-4] 11:30-11:45

Nonlocal Response Theory for Surface-Enhanced Raman Scattering with Metal Nanogap

H. Ikagawa, M. Tamura, and H. Ishihara (Osaka Univ., Japan)

[Fr2J-5] 11:45-12:00

Aluminium Nanohole Structure Based Photonic Physically Unclonable Function

Juhan Lee, Seokhyeon Hong, Youngsoo Kim, Seung Hyeon Hong, Bo Kyung Kim, and Soon-Hong Kwon (Chung-Ang Univ., Korea)

[Fr2J-6]

12:00-12:15

Optimized Near-IR Absorption Enhancement of All-Aluminium Photonic Crystals

Roy Avrahamy, Dror Cohen (Ben-Gurion Univ. of the Negev, Israel), Benny Milgrom (Jerusalem College of Tech., Israel), Ben Amir, Daniel Belker, Asi Solodar, Erez Golan, Oren Sadot, and Amiel A. Ishaaya (Ben-Gurion Univ. of the Negev, Israel)