

[ThB2] AlN Bulk Crystals and Templates-1 (Strain Engineering)

Date / Time May 26 (Thu.), 2022 / 10:55-12:05

Place Convention Hall B

Session Chair Si-Young Bae (KICET, Korea)

[ThB2-1] Invited Talk

Online 10:55-11:25

AlGaN Strain-Quality Engineering on Low Dislocation Density AlN Templates for High-Power UVC LEDs

Chia-Yen Huang¹, Sebastian Walde², Chia-Lung Tsai³, Wen-Hsuang Hsieh¹, Yi-Keng Fu³, Sylvia Hagedorn², Tien-Chang Lu¹, Markus Weyers²

¹National Yang Ming Chiao Tung University, Taiwan, ²Ferdinand-Braun-Institut, Germany, ³Industrial Technology Research Institute, Taiwan

[ThB2-2] Oral

Online 11:25-11:45

Hexagonal BN-Assisted Growth of Strain-Free AlN Films for Deep-Ultraviolet Light-Emitting Diodes

Lulu Wang^{1,2}, Tongbo Wei^{1,2}, Yanfeng Zhang³, Fan Zhou³, Junxi Wang^{1,2}, Jinmin Li^{1,2}

¹Chinese Academy of Sciences, China, ²University of Chinese Academy of Sciences, China, ³Peking University, China

[ThB2-3] Oral

Online 11:45-12:05

High-Quality Semipolar (10-13) AlN Epilayers Grown on M-Plane Sapphire Substrates by NH₃-Free High Temperature MOCVD

X. Q. Shen, K. Kojima

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