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Young Joon Hong received B.S. and Ph.D. degrees all in Materials Science and Engineering from Korea University and Pohang University of Science and Technology (POSTECH), Korea, in 2004 and 2011, respectively. From 2011 to 2012, he conducted research at the Research Center for Integrated Quantum Electronics (RCIQE), Hokkaido University, Japan, as JSPS Postdoc Fellow. In 2012, he joined Sejong University, Korea, as a faculty member of Department of Nanotechnology and Advanced Materials Engineering. Later, since 2024, he has been with the SKKU Advanced Institute of Nanotechnology (SAINT) at Sungkyunkwan University. His current research focuses on advanced epitaxy, including remote epitaxy and van der Waals epitaxy, via III-V MOCVD for applications in micro-LED displays, power devices, and high electron mobility transistors.