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Dr. Hyejin Ryu received her B.S. in physics from Sogang University and her M.S. in physics from Seoul National University. She earned her Ph.D. in physics from the State University of New York (SUNY) at Stony Brook in 2014. She completed her postdoctoral research at Lawrence Berkeley National Lab (LBNL), with joint funding from LBNL and Max Planck POSTECH. She then joined the Post-Silicon Semiconductor Institute at the Korea Institute of Science and Technology (KIST), where she is currently a principal research scientist. Dr. Ryu's research specializes in experimental condensed matter physics, focusing on the physical properties and applications of nanoscale low-dimensional materials. Her research group primarily explores electronic structures, thin film growth, transport phenomena, and device applications.