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Gaobo Xu received his Ph.D. degree in Microelectronics and Solid-State Electronics from the Institute of Microelectronics of the Chinese Academy of Sciences (IMECAS) in 2009. After graduation, he joined the Integrated Circuit Advanced Process R&D Center of IMECAS as an assistant professor to engage in research on high-k/metal gate technology and sub-22nm integrated circuit advanced process. In 2011, he was appointed as an associate professor responsible for the development of novel non-volatile memory and devices with ultra-steep subthreshold swing. Now, he is a professor at IMECAS. His research interests include the design and fabrication of advanced semiconductor devices, IGZO DRAM and HfO₂-based FeRAM. He has published more than 50 technical papers and hold more than 30 authorized patents.