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2003 to 2005, he was a postdoctoral research fellow at Harvard University, Cambridge, Massachusetts. He joined the faculty of the University of Michigan in 2005. His research interest includes high-density memory based on two-terminal resistive switches (RRAM), memristor-based neuromorphic circuits, aggressively scaled nanowire transistors, and electrical transport in low-dimensional systems. To date Prof. Lu has published over 100 journal papers with over 15,000 citations and an h-factor of 53. He is also an associate editor for Nanoscale and serves on several IEEE committees. Crossbar Inc, co-founded by Prof. Lu in 2010, is a startup company based in Silicon Valley that offers commercial RRAM products for embedded and standalone memory applications.