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Prof. Zhiyong Fan is a Chair Professor at the Department of Electronic and Computer Engineering & Department of Chemical and Biological Engineering. He received B.S. and M. S. degrees from Fudan University, PhD degree from University of California, Irvine in 2006 then worked as a postdoctoral fellow at UC Berkeley and Lawrence Berkeley National Laboratory in 2007~2010. He joined Hong Kong University of Science and Technology (HKUST) in 2010. Currently, he is the founding Director of Center on Smart Sensors and Environmental Technologies, Co-director of the State Key Laboratory of Advanced Display and Optoelectronics Technologies at HKUST. He is a Fellow of the Royal Society of Chemistry, Fellow of Optica, Senior Member of IEEE, and Founding Member of the Young Academy of Sciences of Hong Kong. He has won a number of awards, including 2022 Tencent Xplorer Prize, 2022 HKBOC Science and Technology Innovation Prize, Shandong Natural Science Second Prize, 2022 and 2020 Top 10 Research Progress on Semiconductors in China, HKUST SENG Young Investigator Award, Outstanding Research Award, etc. His research interest is focused on functional nanomaterials and structures for electronic, optoelectronic and bionic electronic devices. Till date, he has published over 250 peer reviewed papers in Nature, Nature Photonics, Nature Electronics, Nature Materials, Science Robotics, etc., with citations ~30,000, H index 90. He also has over 33 Chinese/US patents and one national high-tech company.