



NANO KOREA 2024

The 22nd International Nanotech Symposium & Exhibition

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He Tian is a full professor and Qiushi Distinguished Professor at the School of Materials Science & Engineering, Zhejiang University. He received his Ph.D. degree from the Institute of Physics (C.A.S.), China, in 2006. Then he joined the Electron Microscopy for Materials Research (EMAT) group of the University of Antwerp, Belgium, as a Postdoctoral Researcher. Afterward, he joined the School of Materials Science & Engineering at Zhejiang University (China) in 2014 as a professor. His main research focuses on the application and development of advanced electron microscopy. His current research interests include transition metal oxides, multiferroic materials, and ferroelectric nano-devices. Using in-situ techniques to control charged domain walls and polar structures, investigate the dynamic switching mechanism and topological transformations. He Tian has published 3 in Nature, 2 in Science, and more than 100 SCI articles in Nature Photonics, Nature Nanotechnology, Nature Communications, Advanced Material, PNAS, Science Advances, etc.