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Author: Feifei Wang Yiu-Wing Mai Danyang Wang Rui Ding Wangzhou Shi



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High quality barium titanate nanofibers for flexible piezoelectric device applications

Feifei Wang^{a, b, *}, Yiu-Wing Mai^{a, *}, Danyang Wang^c, Rui Ding^c and Wangzhou Shi^b

^a*Centre for Advanced Materials Technology (CAMT), School of Aerospace, Mechanical and Mechatronic Engineering, The University of Sydney, Sydney, NSW 2006, Australia*

^b*Key Laboratory of Optoelectronic Material and Device, Department of Physics, Shanghai Normal University, Shanghai, 200234, China*

^c*School of Materials Science and Engineering, The University of New South Wales, Sydney, NSW 2052, Australia*

Highlights

1. High quality BaTiO₃ nanofibers with good alignment were fabricated.
2. Excellent nanoscale piezoelectric response was achieved with $d_{33, eff}$ of ~40 pm/V.
3. A flexible piezoelectric device with interdigital electrode was proposed.

Graphical abstract Feifei Wang is an Associate Professor in the Department of Physics in Shanghai Normal University. He obtained his Ph.D. degree from Shanghai Institute of Ceramics, Chinese Academy of Sciences in 2009. From March 2008 to March 2009, he worked as a Research Assistant at the Hong Kong Polytechnic University.

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