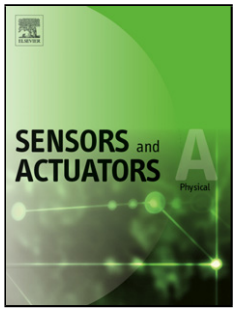

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High quality barium titanate nanofibers for flexible piezoelectric device applications

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Highlights

1. High quality $BaTiO_3$ 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 abstractFeifei 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.