

Supplementary

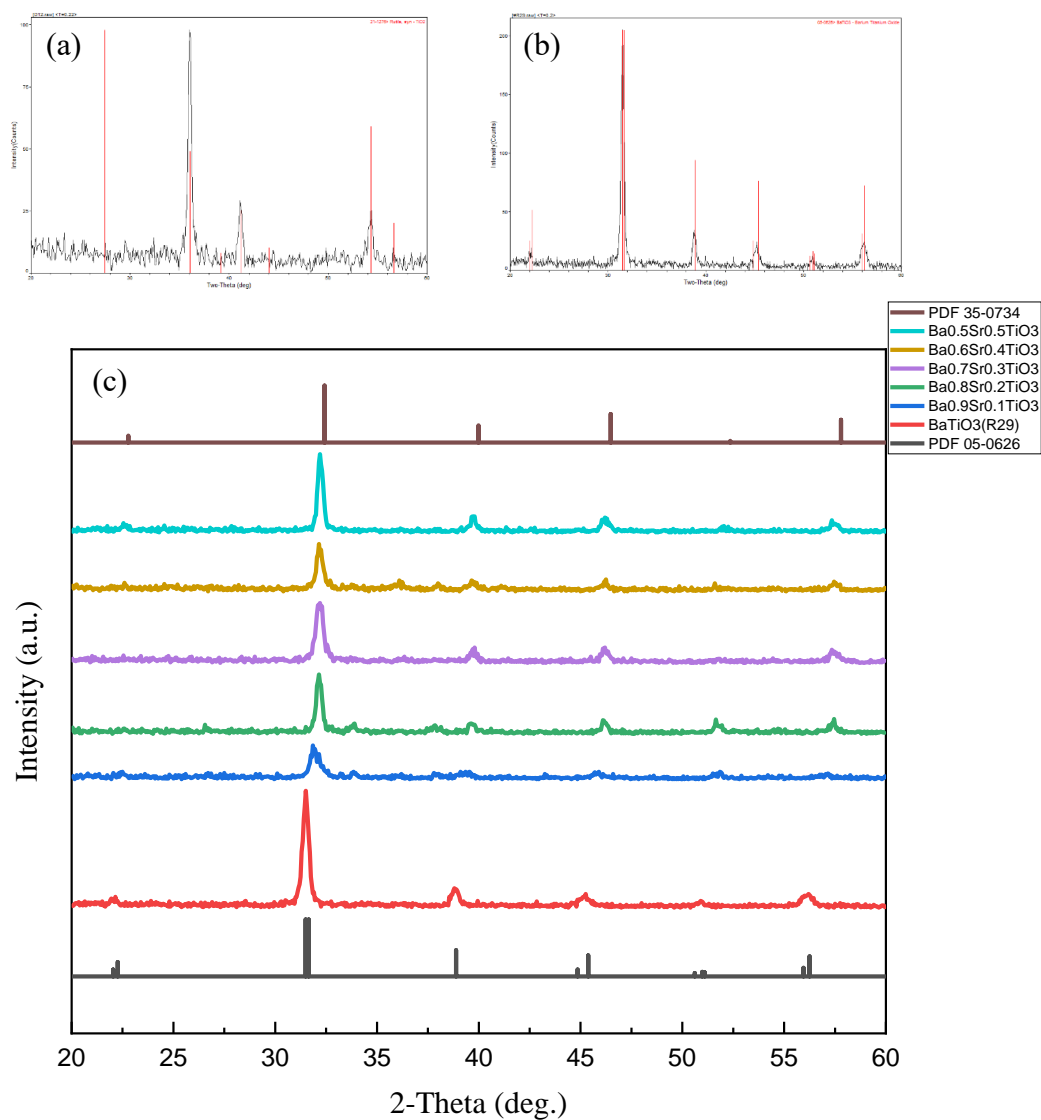


Fig. 1 XRD diagram of (a) TiO_2 (b) BaTiO_3 (c) $(\text{Ba,Sr})\text{TiO}_3$ nanorod arrays.

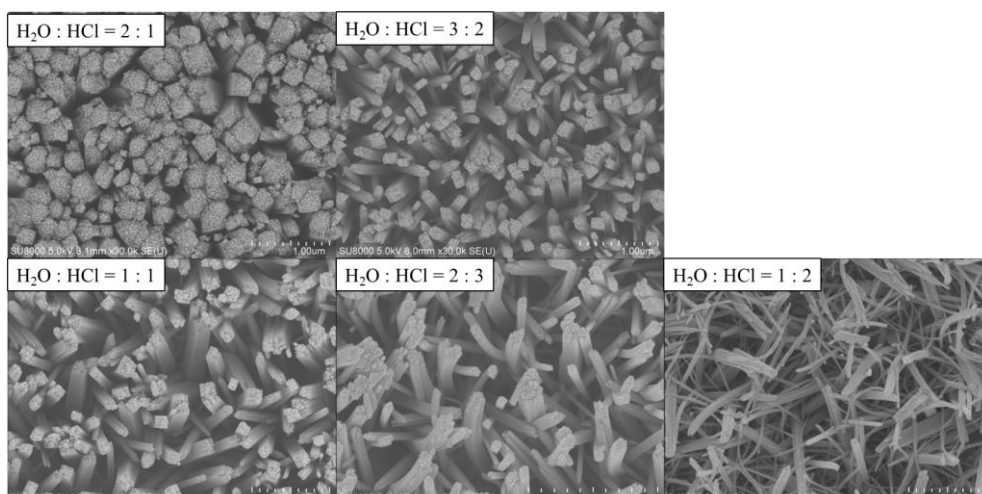


Fig. 2 Top view of SEM graphs of the morphology-tuning of TiO_2 template.

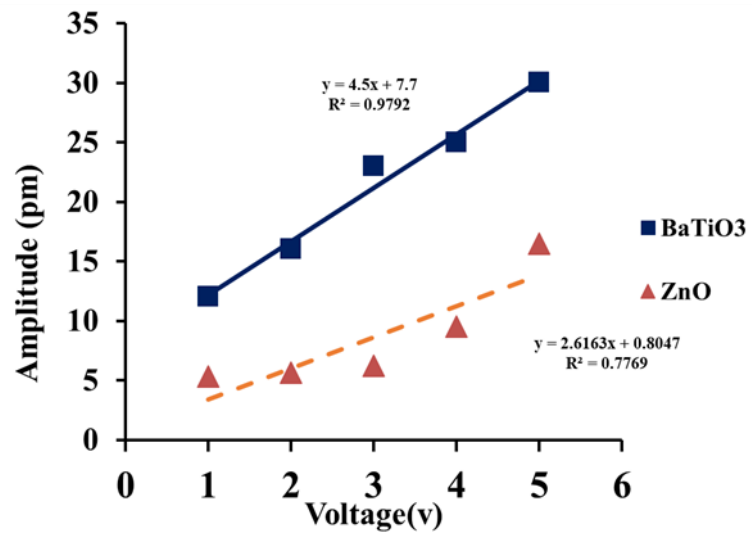


Fig. 3. The piezoresponse of BaTiO₃ nanorod arrays measured under different bias from PFM.