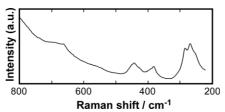
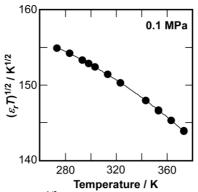
## Temperature-controlled reversible exfoliation-stacking of titanate nanosheets

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**Figure 1S** Raman spectrum of solid state  $TBA^+$ -TiO<sub>x</sub> prepared by drying the colloidal solution.



**Figure 2S** Temperature dependence of  $(\varepsilon_r T)^{1/2}$  term of water. Static dielectric constants of water at different temperatures are cited from Ref. 20.