Electronic Supplementary Material (ESI) for RSC Advances.

Electronic Supplementary Information

Formamide-modified titanium oxide nanoparticles with high electrorheological activity

Jinghua Wu, Ting Jin, Fenghua Liu, Jianjun Guo, Aihua Sun, Yuchuan Cheng*, Gaojie Xu*

Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, Ningbo, 315201, P.R.China. E-mail: yccheng@nimte.ac.cn; xugj@nimte.ac.cn; Fax: +86 574 87911138; Tel: +86 574 87911138

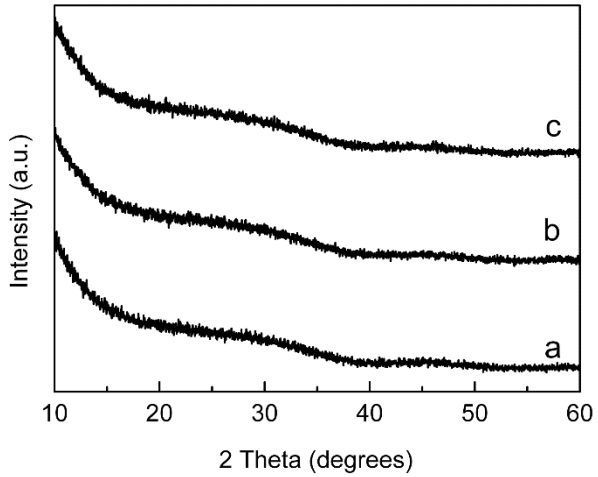

Fig. S 1. X-ray diffraction patterns of TiO_x (a), FA-TiO_x (b) and DMF-TiO_x (c) particles.

Table S1 Dipole moment and dielectric constant of the water, FA and DMF.

	Dipole moment (μ)	Dielectric constant (ε)
Water	1.82	80.1
FA	3.37	111
DMF	3.86	36.7