

Electronic Supplementary Information

Preparation of rod-like calcium titanyl oxalate with enhanced electrorheological activity and their morphological effect

Jinghua Wu, Ting Jin, Fenghua Liu, Jianjun Guo, 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

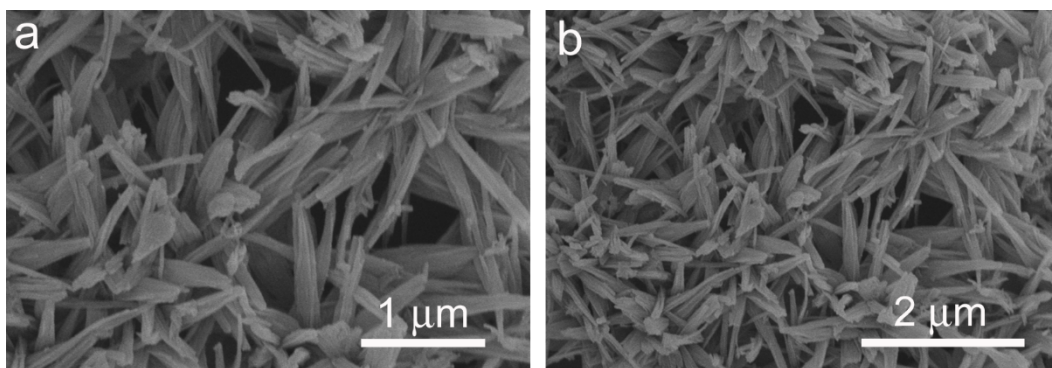


Fig. S1 SEM of SCTO particles at different magnifications (2 wt% SDBS).

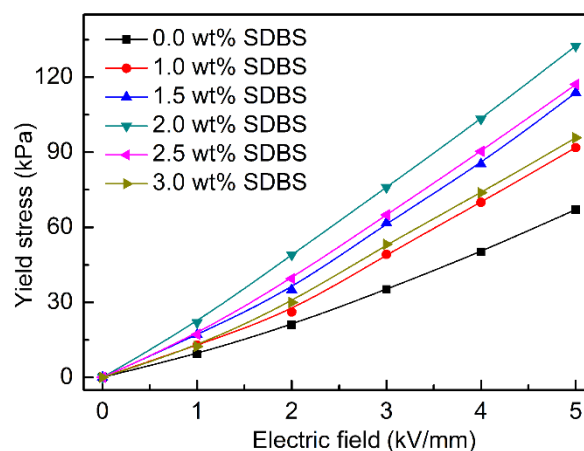


Fig. S2 Yield stress of SCTO ER fluids (68 wt%) with different SDBS dosages as a function of applied electric field.

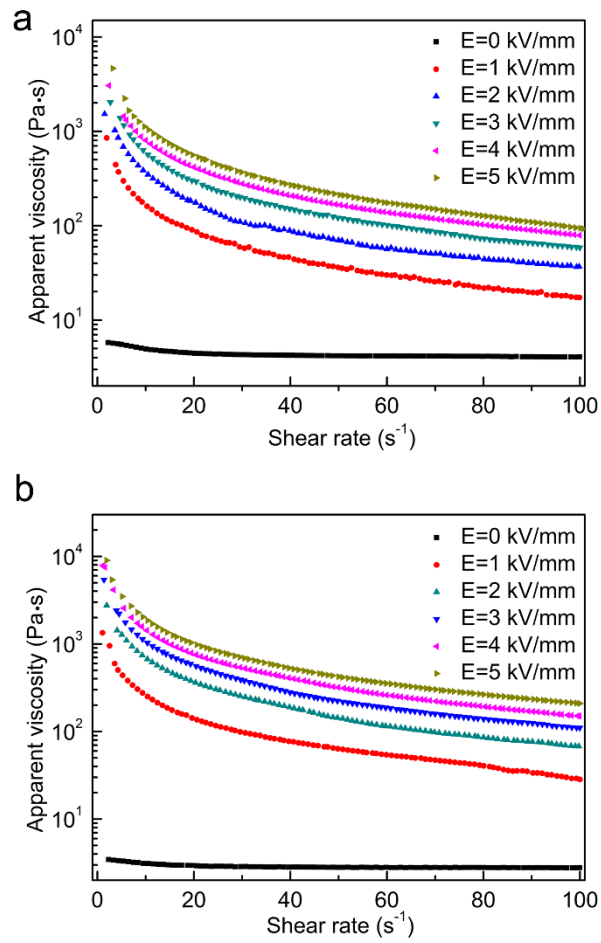


Fig. S3 Apparent viscosity of SCTO ER fluids (46 wt%) as a function of shear rate under various electric fields (a: SDBS 0wt%, b: SDBS 2wt%).