Electronic supplementary information for : Lithium Ion Electrochemical Insertion in Vanadium Pentoxide/Cucurbit[6]uril Intercalates.

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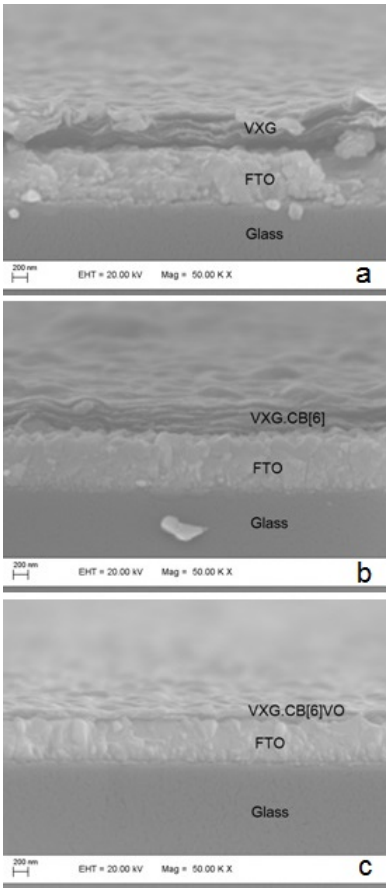

Fig. 1 SEM images of a) VXG and b) VXG.CB[6]1% and c) VXG.CB[6]VO1% films over FTO glass slides.

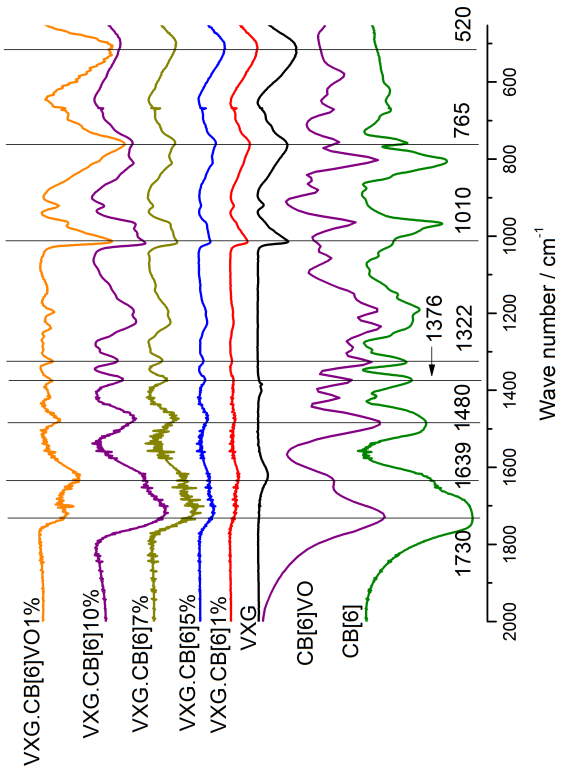

Fig. 2 FTIR spectra of VXG, CB[6], CB[6]VO and their composites.

1 SEM images

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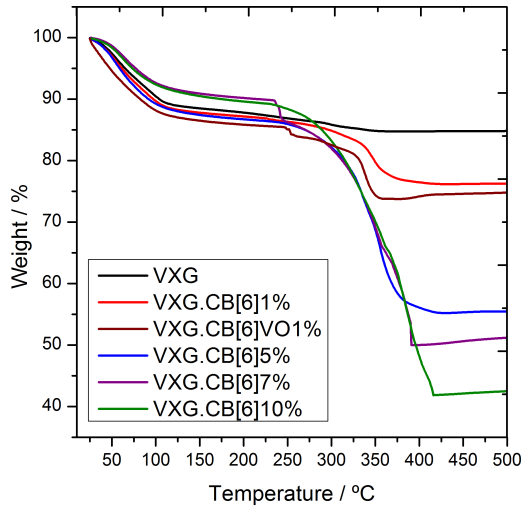

Fig. 3 Thermogravimmetric curves of VXG and its composites.

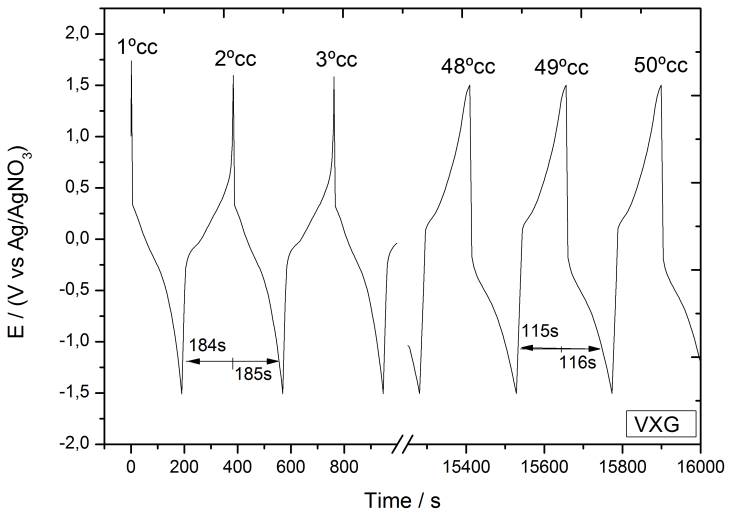

Fig. 5 Electrochemical charge-discharge curves for VXG during 50 chronoamperometric cycles, j = 0.2mA.

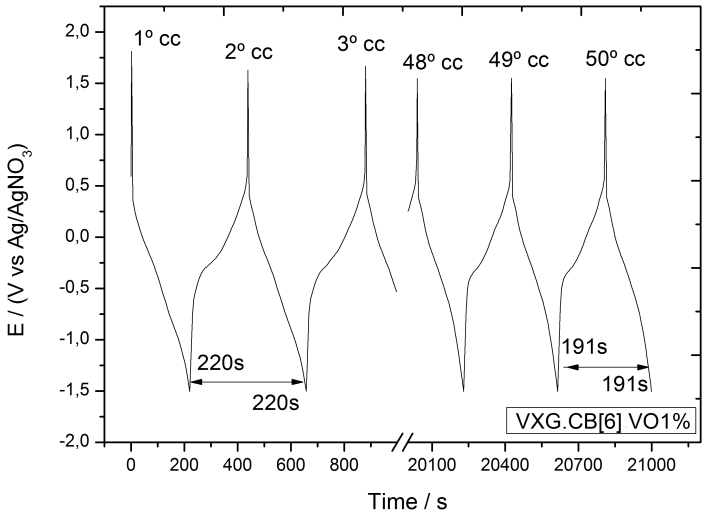

Fig. 4 Electrochemical charge-discharge curves for VXG.CB[6]VO 1% composite during 50 chronoamperometric cycles, j = 0.2mA.

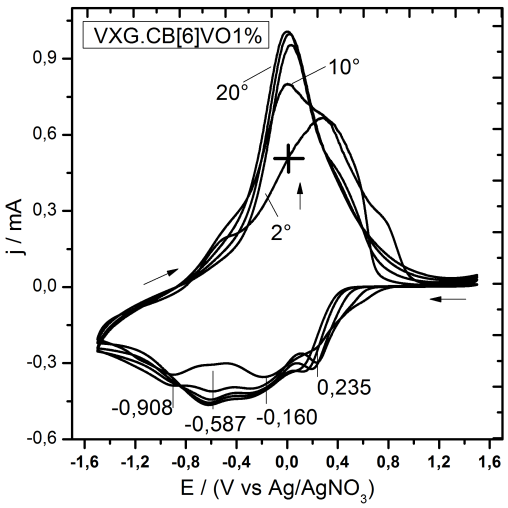

Fig. 6 Cyclic voltammograms of VXG.CB[6]VO1% - 2, 10, 20, 30 e 40 cycles at 20mV/s ($LiClO_4$/MeCN).

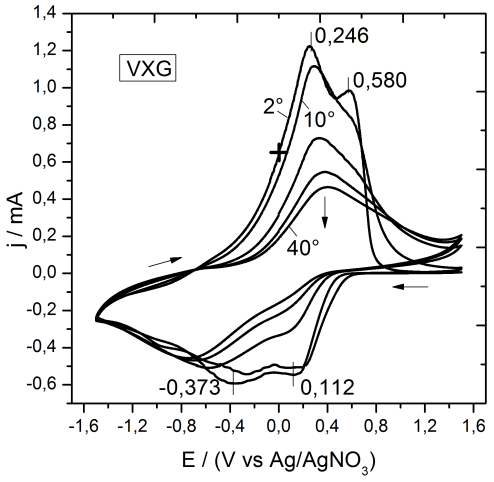

Fig. 7 Cyclic voltammograms of VXG - 2, 10, 20, 30 e 40 cycles at 20mV/s ($LiClO_4$/MeCN).

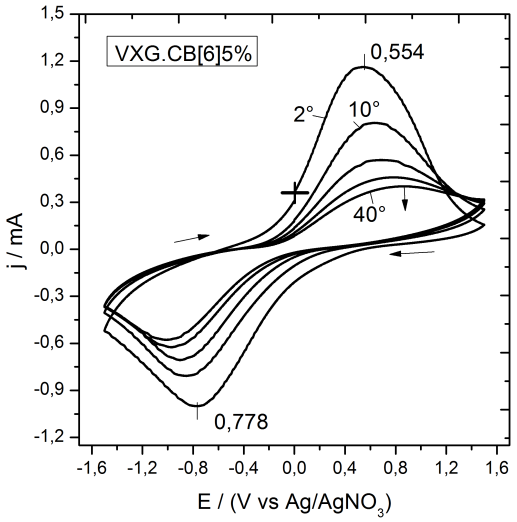

Fig. 9 Cyclic voltammograms of VXG.CB[6]5% - 2, 10, 20, 30 e 40 cycles at 20mV/s ($LiClO_4$/MeCN).

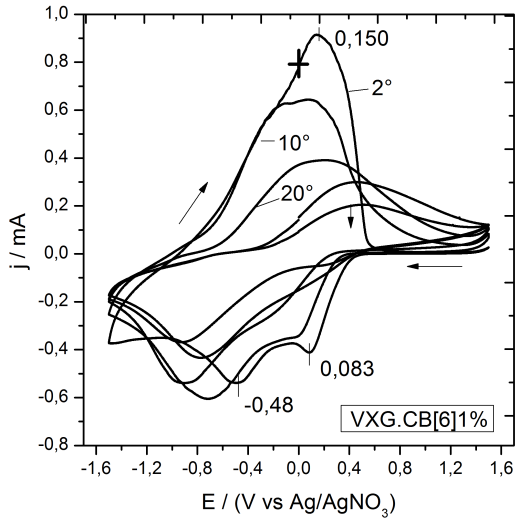

Fig. 8 Cyclic voltammograms of VXG.CB[6]1% - 2, 10, 20, 30 e 40 cycles at 20mV/s ($LiClO_4$/MeCN).

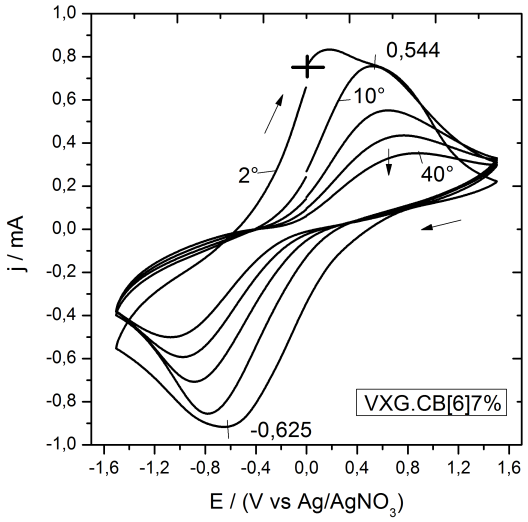

Fig. 10 Cyclic voltammograms of VXG.CB[6]7% - 2, 10, 20, 30 e 40 cycles at 20mV/s ($LiClO_4$/MeCN).

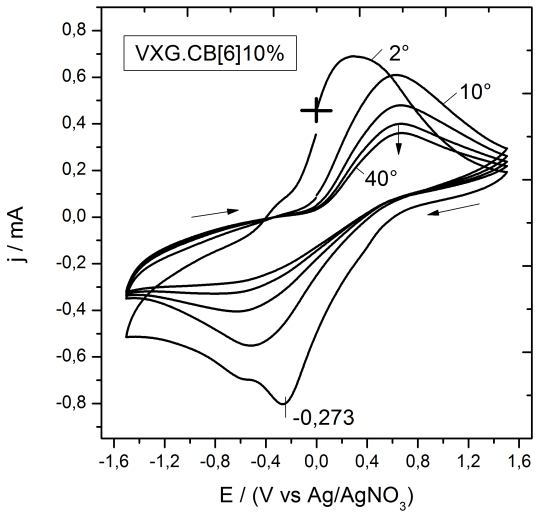

Fig. 11 Cyclic voltammograms of VXG.CB[6]10% - 2, 10, 20, 30 e 40 cycles at 20mV/s ($LiClO_4$/MeCN).

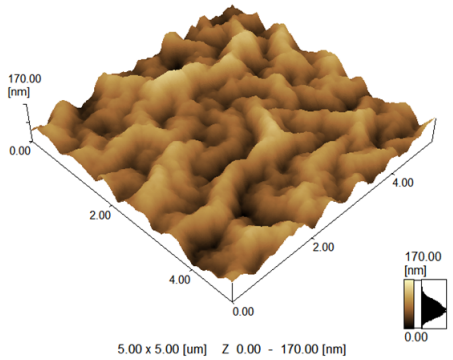

Fig. 12 AFM VXG.

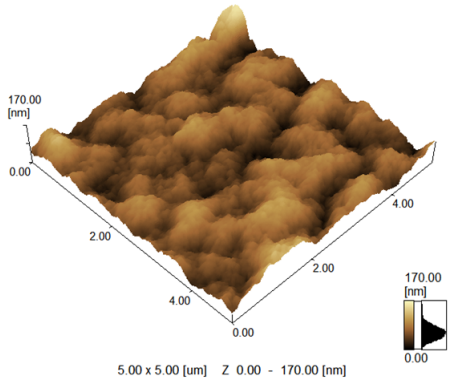

Fig. 13 AFM VXG.CB[6]1%.

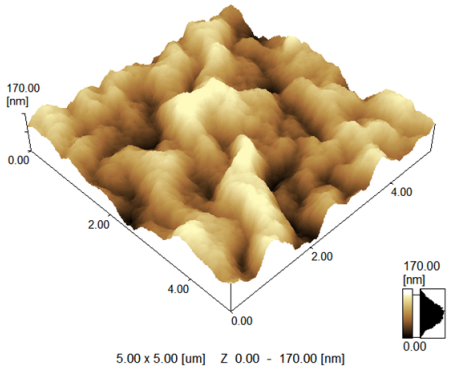

Fig. 14 AFM VXG.CB[6]VO1%.