

## Electronic supplementary information

### Improving the photoelectrocatalytic performance of boron modified TiO<sub>2</sub>/Ti sol-gel based electrodes for glycerol oxidation under visible illumination

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Figure 1S. EDS spectra for a) one, b) two and c) three-layer 0.7-BT-3 films

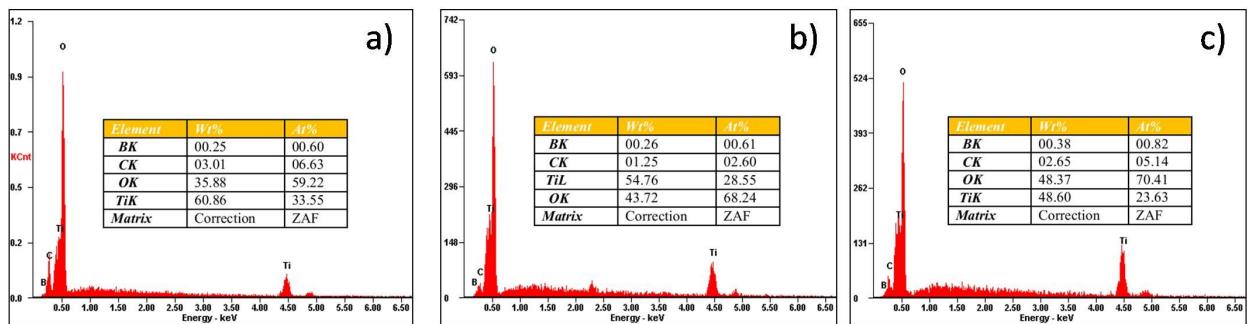


Figure 2S. High-resolution XPS O 1s spectrum of the 0.7-BT-3 film.

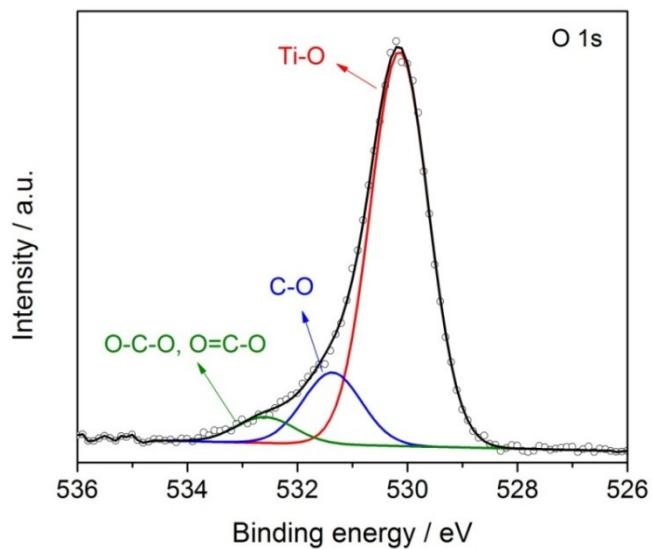


Figure 3S. Grain boundaries generated in the BT photoelectrodes

