nanomaterials

MDPI

Supplementary information

Article

Structure and electrocatalytic properties of sulfur-containing multi-walled carbon nanotubes on a titanium substrate modified by helium ion beam

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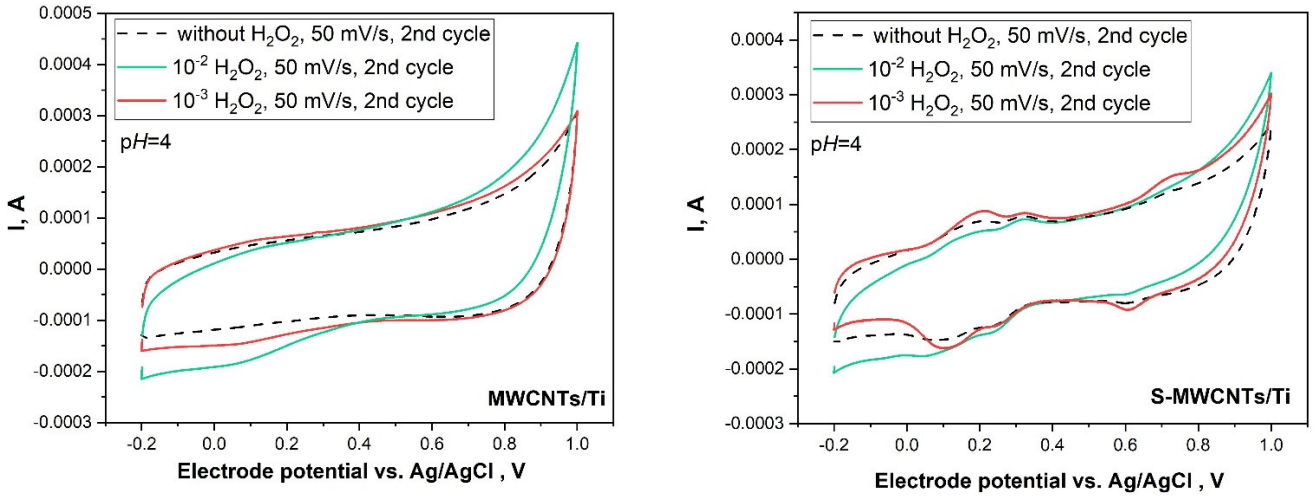
Abbreviations and parameters

MWCNTs –multi-walled carbon nanotubes
S-MWCNTs – sulfur-containing multi-walled carbon nanotubes
S-MWCNTs/Ti – S-MWCNTs placed on a titanium substrate

Electrochemical raw data



(a) (b)

Figure S1. Cyclic voltammograms of MWCNTs/Ti (a) and S-MWCNTs/Ti (b) at a scan rate of 50 mV/s in buffer solutions with p*H* of 4 with different (10^{-2} and 10^{-3} M) H_2O_2 concentrations (raw data).

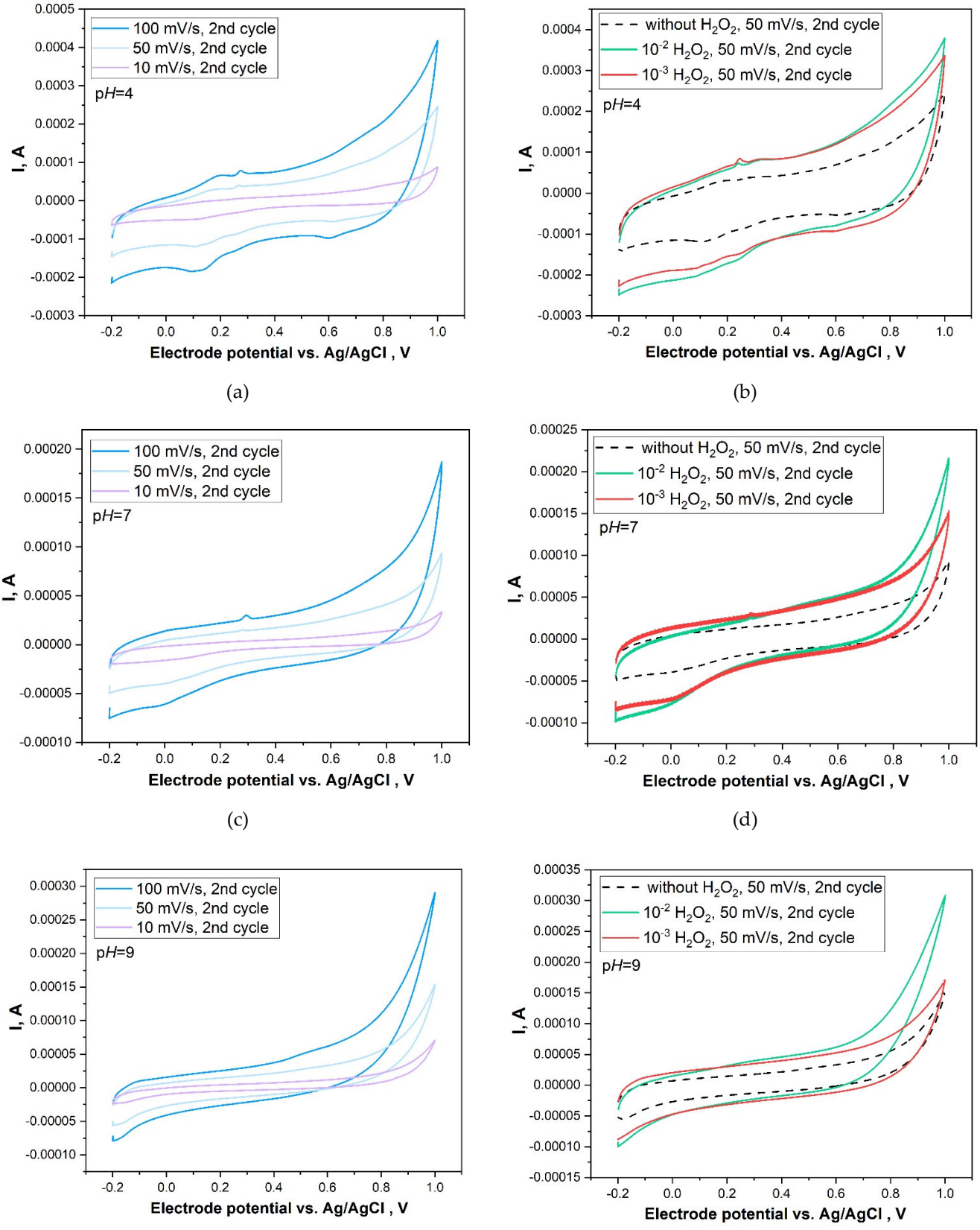


Figure S2. Cyclic voltammograms of helium-irradiated S-MWCNTs/Ti electrode at different scan rates (10, 50 and 100 mV/s) in buffer solutions with p*H* of 4, 7 and 9 without H_2O_2 (a), (c), (e) and at a scan rate of 50 mV/s in buffer solutions with different (10^{-2} and 10^{-3} M) H_2O_2 concentrations (b), (d), (f) (raw data).