materials

MDPI

SUPPLEMENTARY MATERIAL

Influence of Surface Chemistry on the Electrochemical Performance of Biomass-Derived Carbon Electrodes for its Use as Supercapacitors

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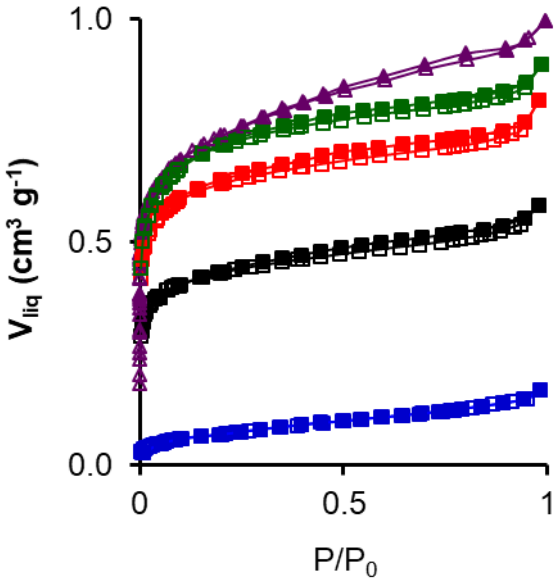

Figure S1. N_2 adsorption (open symbols) and desorption (close symbols) isotherms at 77K of CK-series samples. Sample CK is in purple. Treatments: melamine (red), ammonium carbamate (green), nitric acid (blue) and ammonium persulfate (black).

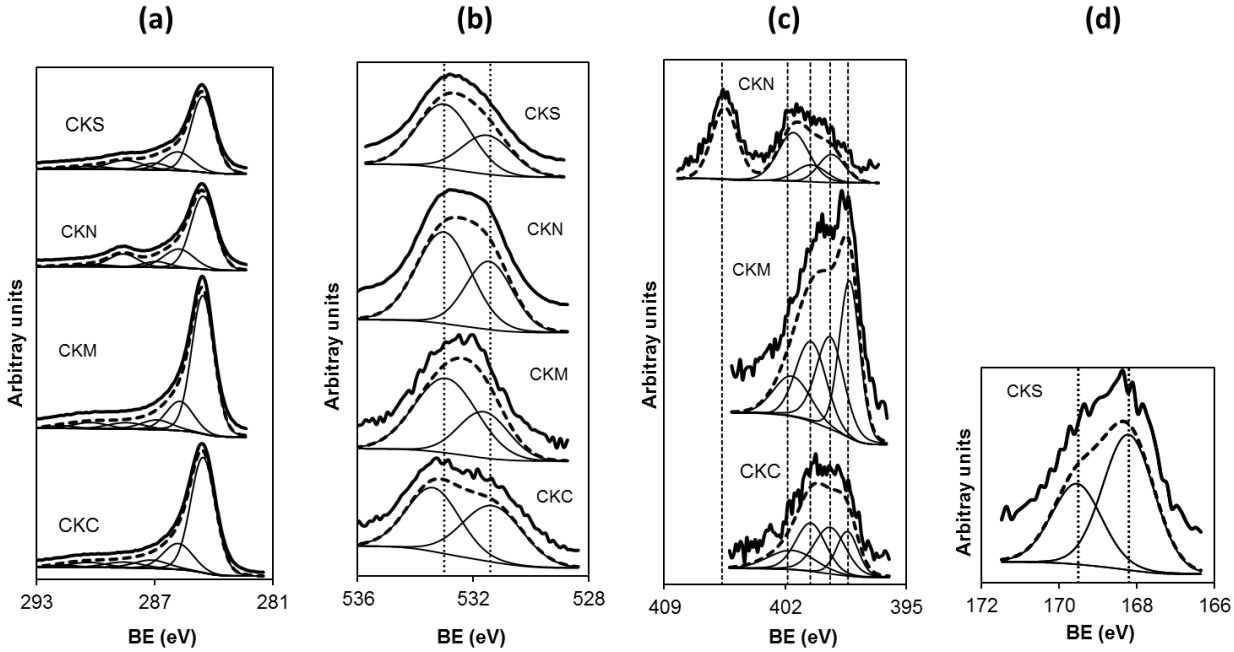

Figure S2. High resolution XPS deconvoluted spectra in the corresponding regions: (a) C_{1s}, (b) O_{1s}, (c) N_{1s} and (d) $S2p_{3/2}$ for the activated carbons prepared from Custard apple tree wood (CK-Serie).

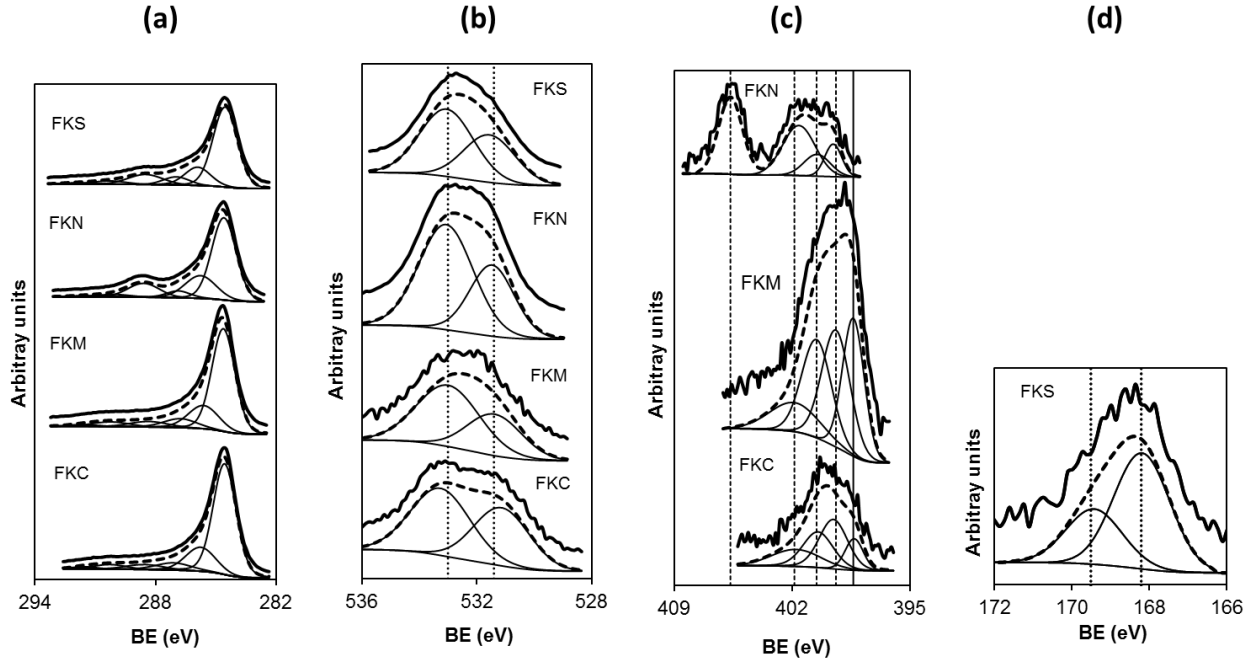

Figure S3. High resolution XPS deconvoluted spectra in the corresponding regions: (a) C_{1s}, (b) O_{1s}, (c) N_{1s} and (d) $S2p_{3/2}$ for the activated carbons prepared from Fig tree wood (FK-Serie).

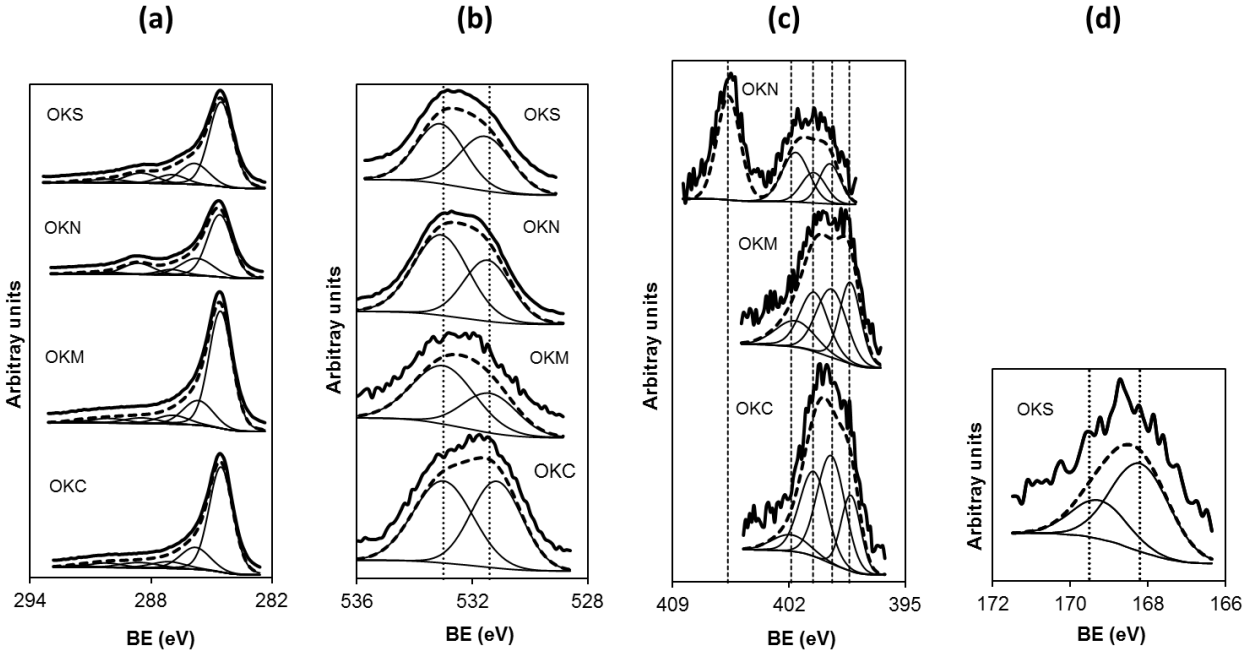

Figure S4. High resolution XPS deconvoluted spectra in the corresponding regions: (a) C_{1s}, (b) O_{1s}, (c) N1s and (d) $S_{2p3/2}$ for the activated carbons prepared from Olive tree wood (OK-Serie).