

Tailored Sulfonated Carbons: Unraveling Enhanced Catalytic Dynamics for Fructose Dehydration under Conventional and Microwave Heating

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Figure S1: Appearance of the acetone used in the first washing of the SC prepared a) OL (3) 0.25h-180, b) OSE (1) 0.25h-120 and c) OSE (3) 6h-180.

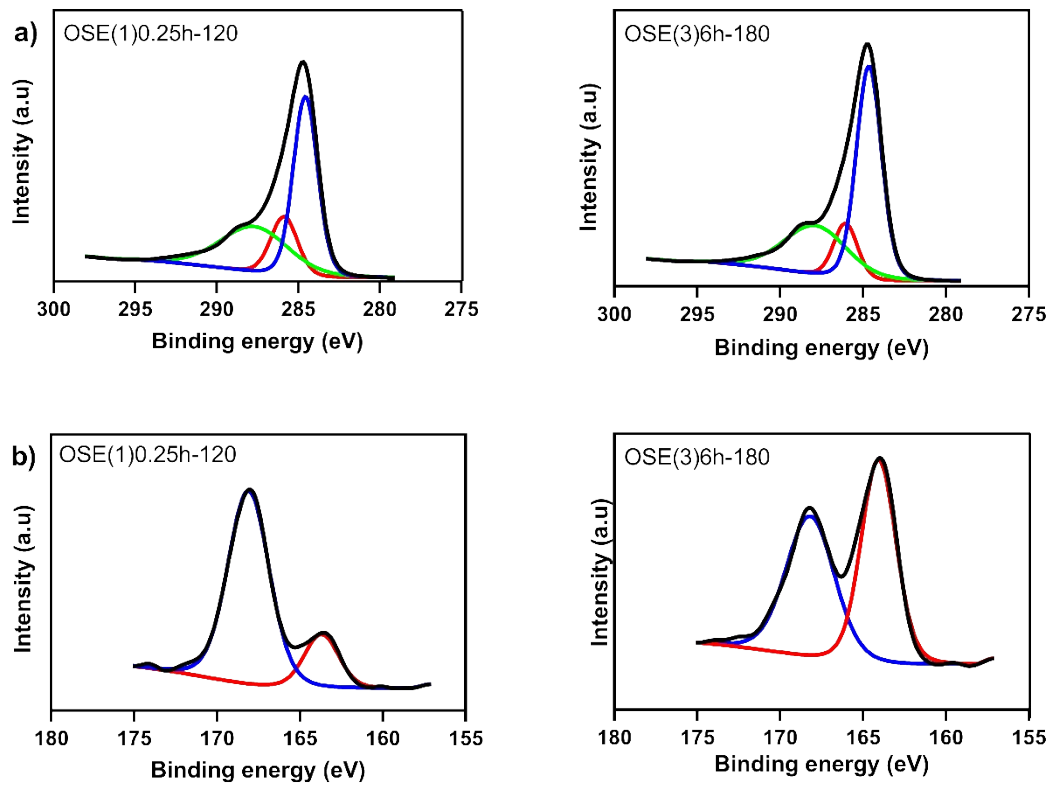


Figure S2: Deconvolution analysis of (a) C 1s and (b) S 2p peaks for OSE (1) 0.25h-120 and OSE (3) 6h-180.

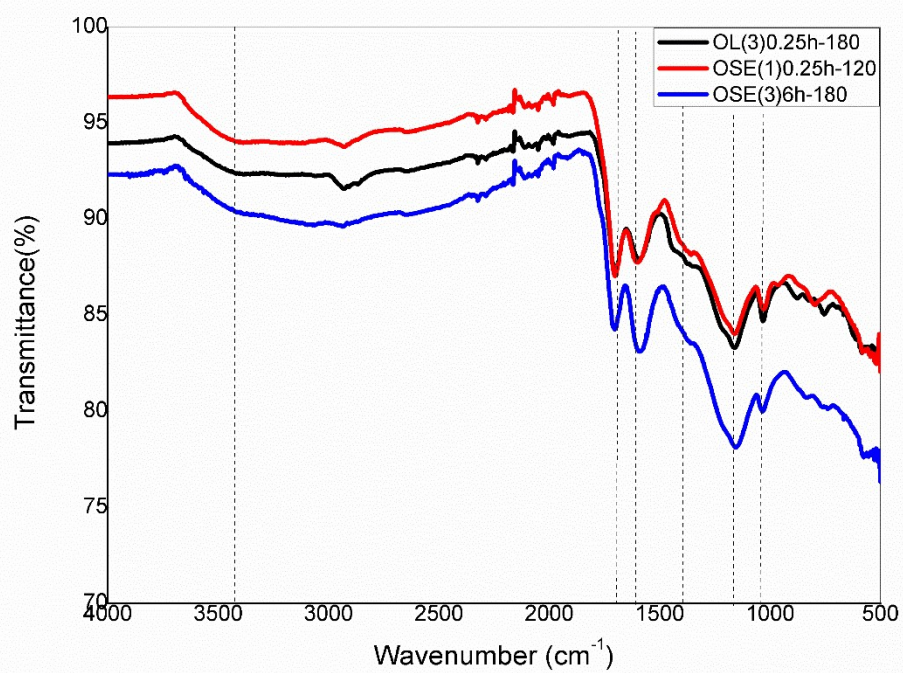


Figure S3: FTIR spectra of OL(3)0.25-180, OSE(1)0.25h-120 and OSE(3)6h-180 catalysts.

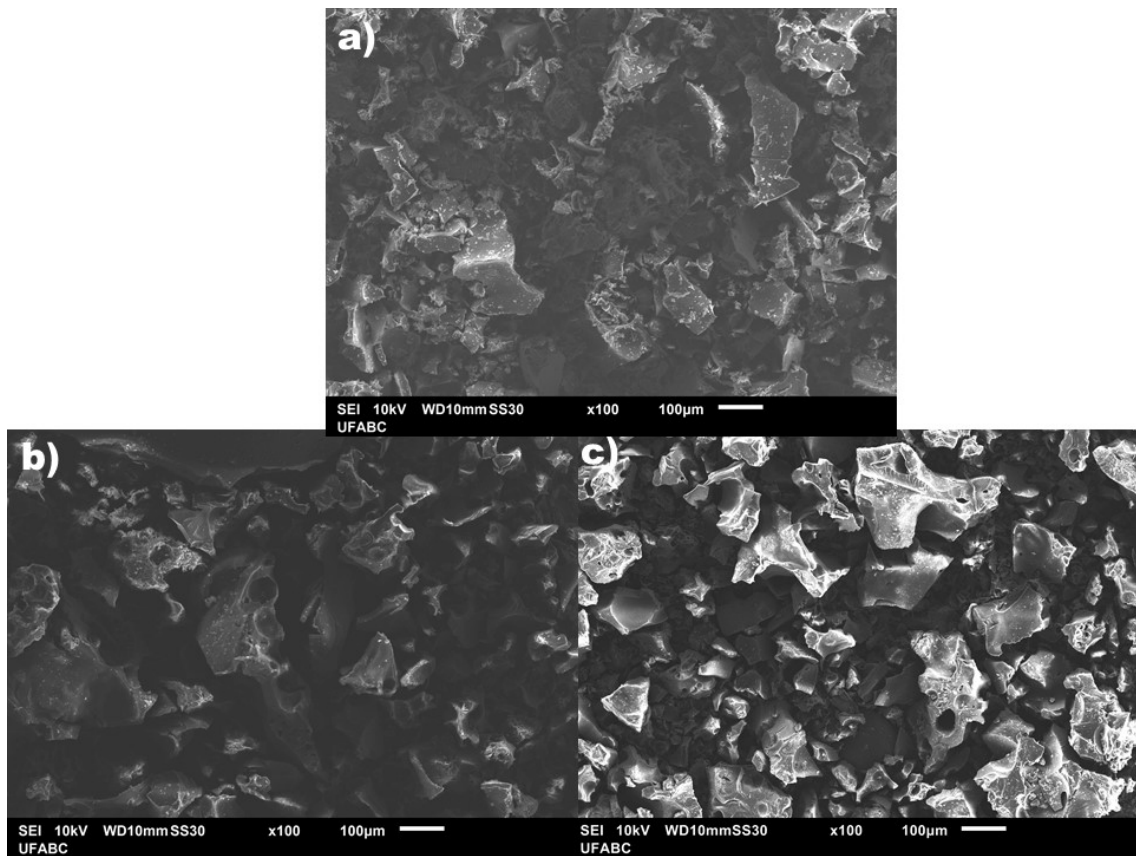


Figure S4: Micrograph of the SC: a) OL(3)0.25h-180, b) OSE(1)0.25h-120 and c) OSE(3)6h-180.

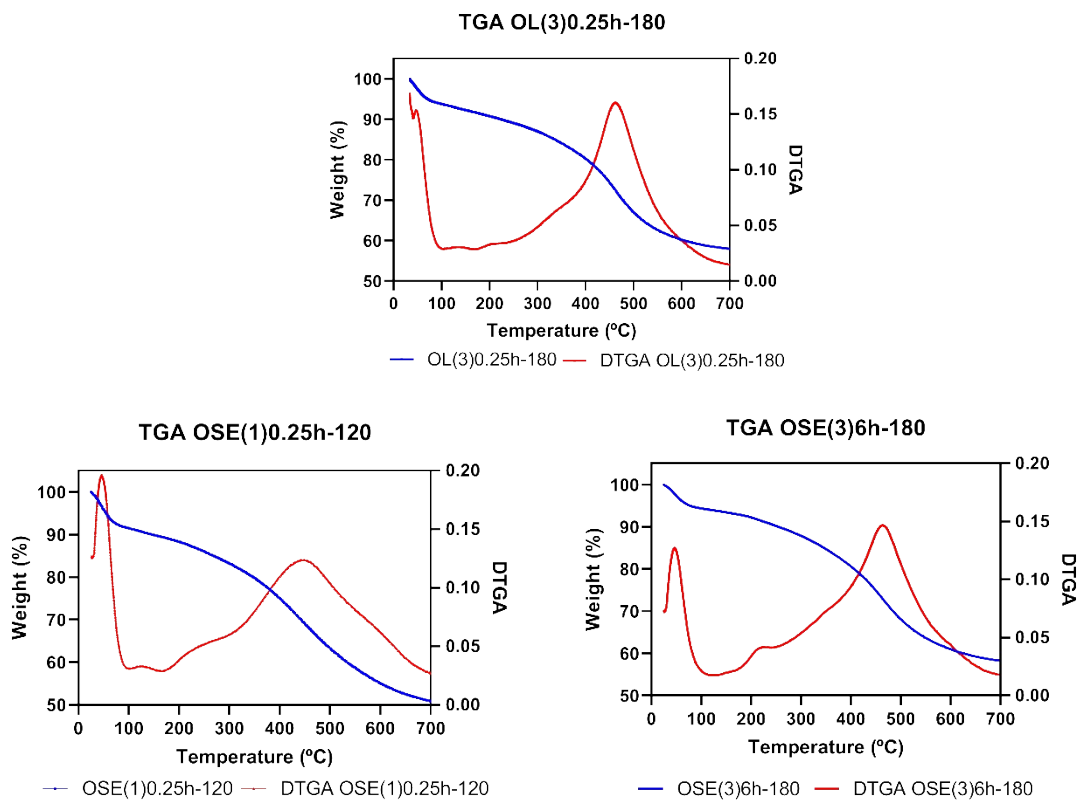


Figure S5: Thermogravimetric analysis of a) OL(3)0.25h-180, b) OSE(1)0.25h-120 and c) OSE(3)6h-180.