

## Supplementary Materials for:

# Burn them right! Determining the optimal temperature for the purification of carbon materials by combustion

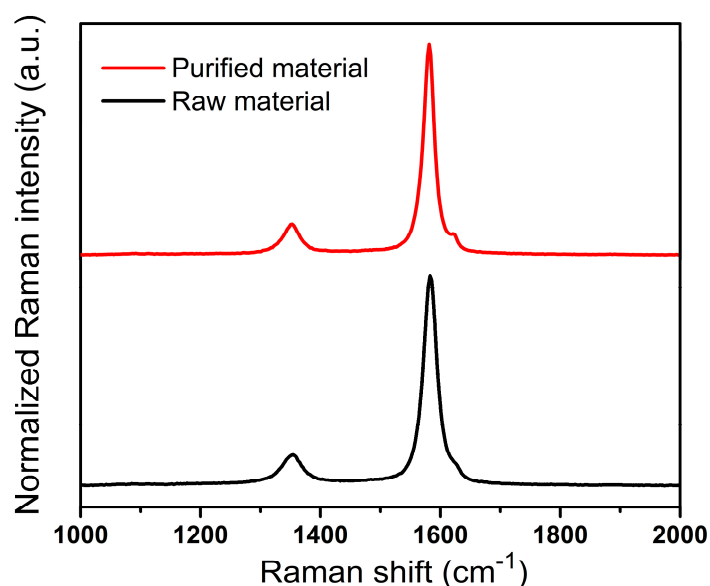
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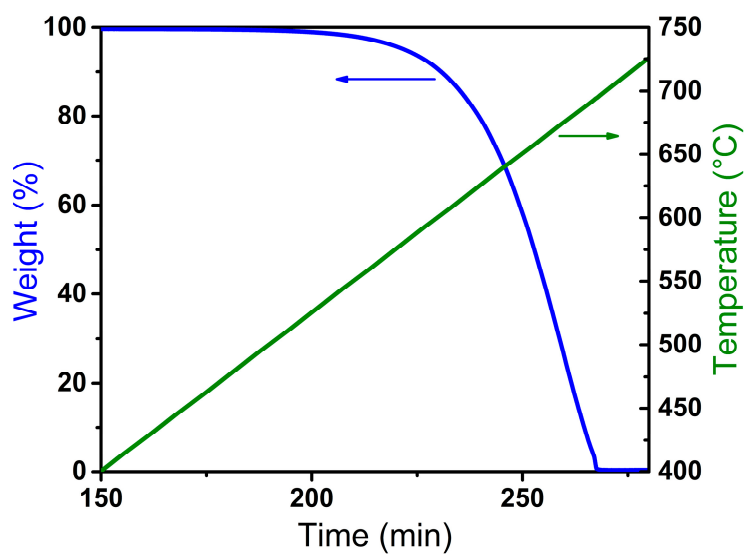
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Figure S1 shows the mean Raman spectra in the D and G band region of the material before and after treatment. The spectra have been normalized over the G band.



**Figure S1.** Normalized mean Raman spectra for D and G region of raw and treated materials.

Figure S2 shows the weight loss curve versus time (in blue), of 7.8 mg of raw material heated at a constant heating rate of 2.5 °C/min (green curve), *i.e.* identical to the heating rate value used in the CRTA program. The machine and gas conditions were identical to the ones in the CRTA measurement.



**Figure S2.** Thermogravimetric curve of the raw material in the classical approach of constant heating rate measurement (heating rate: 2.5 °C/min).