

## Supplementary Material

### Nanoshaping field emitters from glassy carbon sheets: a new functionality induced by H-plasma etching

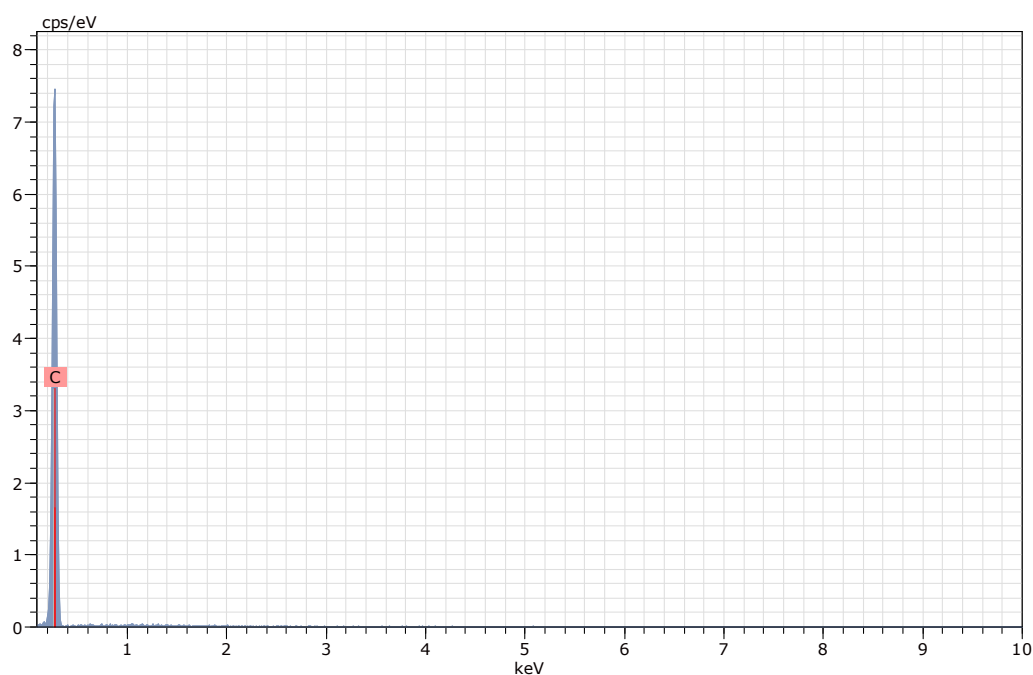
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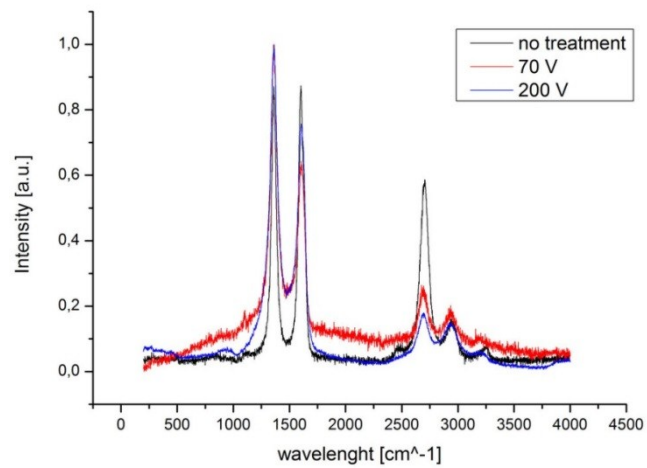
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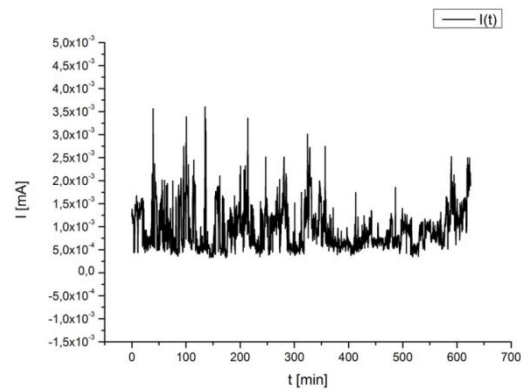
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**Figure S1.** Example of EDX spectrum obtained on one of the sample (sample LB).



**Figure S2.** Raman spectra of pristine (black), LB (red) and HB (blue) samples (laser source: 532 nm)



**Figure S3.** FE current from HB sample obtained at applied potential  $E = 1,5 \text{ keV}$