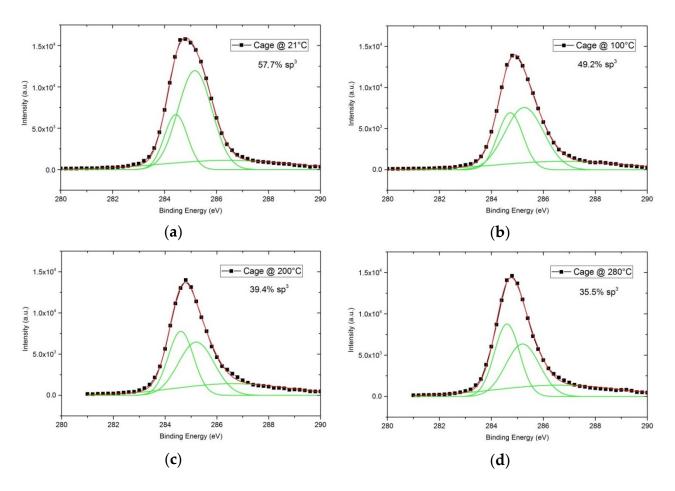
Supplementary Materials: The Role of Substrate Temperature and Magnetic Filtering for DLC by Cathodic Arc Evaporation

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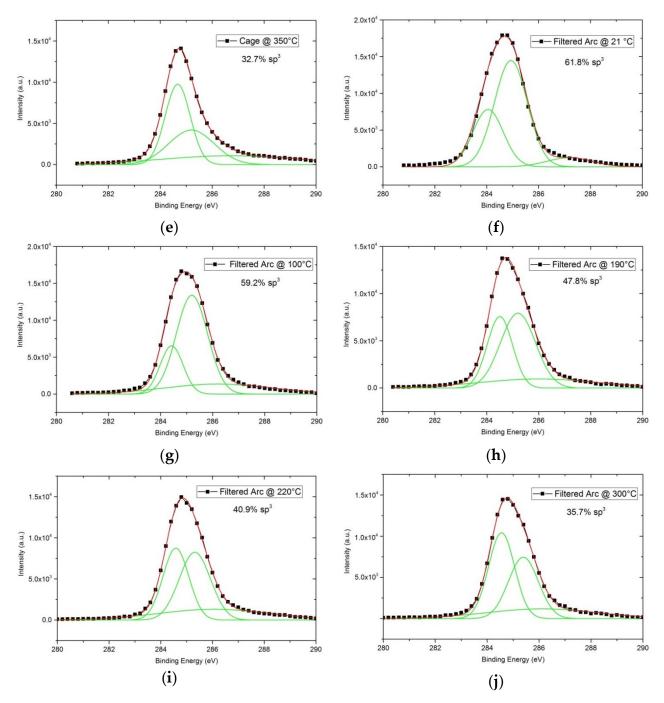
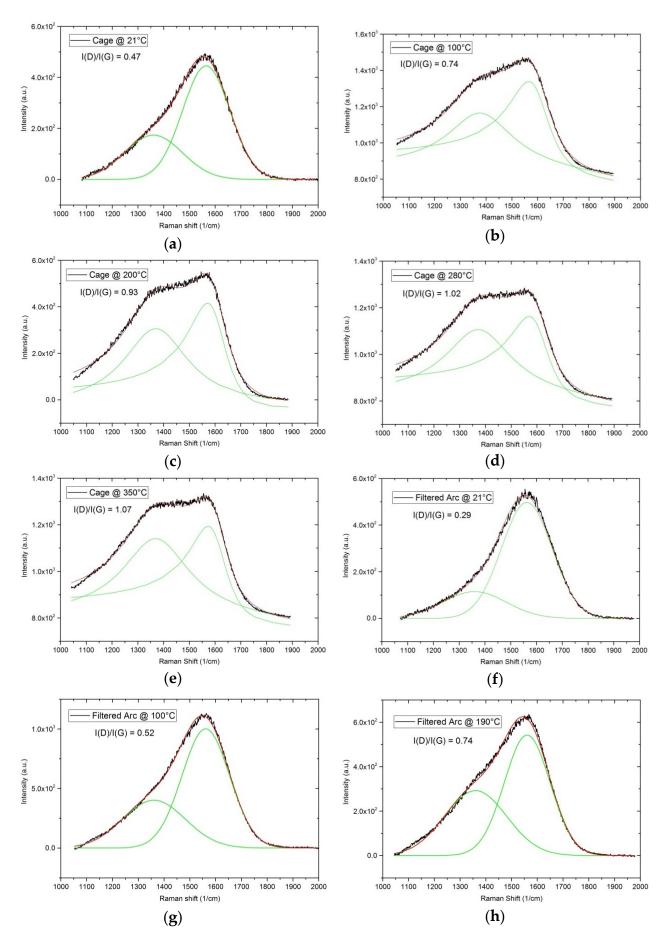


Figure S1. XPS spectra with its deconvoluted compounds for *sp*³-carbon (285.2 eV), *sp*2-carbon (284.4 eV) and C–O contamination (286.5 eV) for different substrate temperatures: (**a**–**e**) for coated in cage, (**f**–**j**) for filtered deposition.



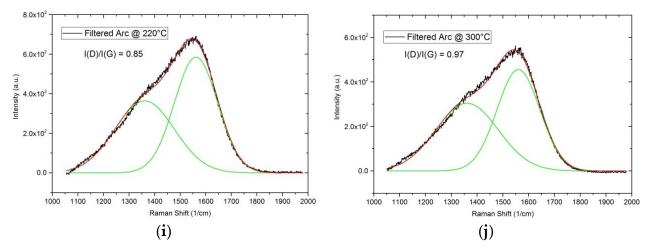


Figure S2. Deconvolution of Raman D band and G band (green line) and the resulting fitting curve (red line) for different substrate temperatures: (a-e) for coated in cage, (f-j) for filtered deposition.



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