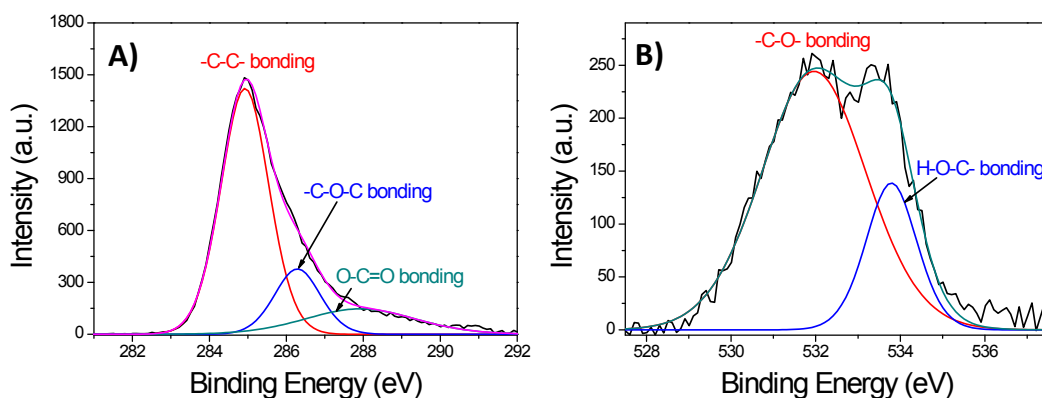


## Supplementary data

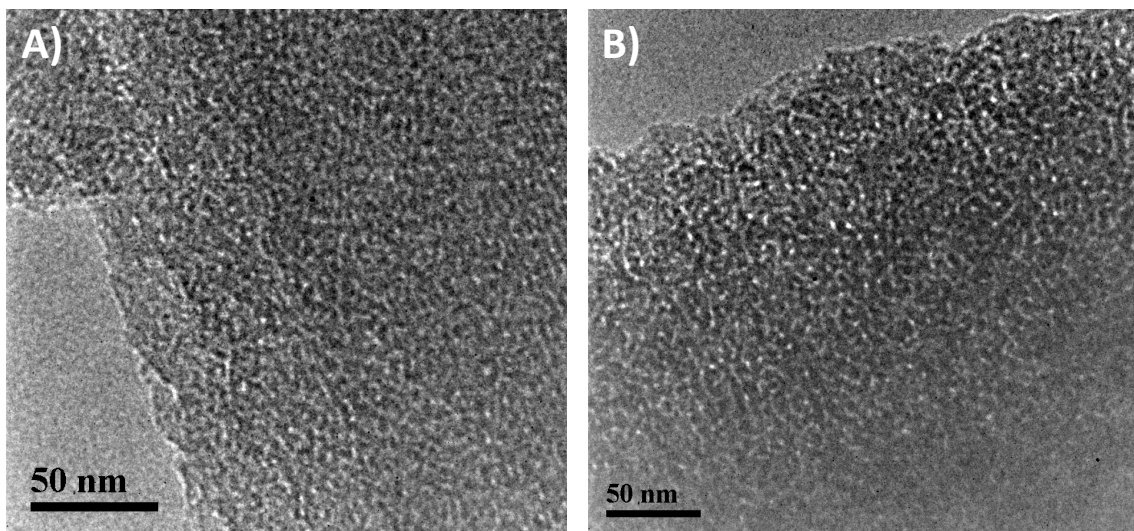
### Effects of nitrogen doping on supercapacitor performance of mesoporous carbon electrode produced by hydrothermal soft-templating process

**Table S1** C, N and O wt.% calculated for surface composition from XPS results.

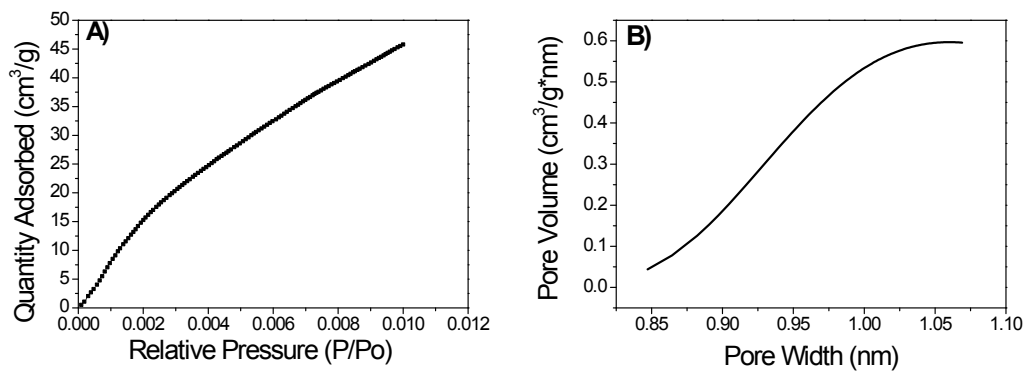
| Sample | C wt. % | N wt. % | O wt. % |
|--------|---------|---------|---------|
| NC0    | 51.7%   | 0.0%    | 48.3%   |
| NC1    | 54.4%   | 6.6%    | 39.0%   |
| NC2    | 46.7%   | 10.6%   | 42.7%   |
| NC3    | 44.3%   | 16.3%   | 39.4%   |
| NC4    | 44.2%   | 18.9%   | 36.9%   |
| NC5    | 44.0%   | 18.7%   | 37.3%   |



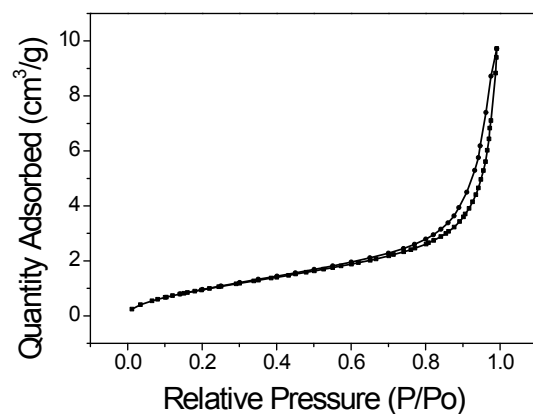
**Fig. S2** XPS spectra of NC2 for demonstration of deconvolution of: A) Carbon peaks; and B) Oxygen peaks.



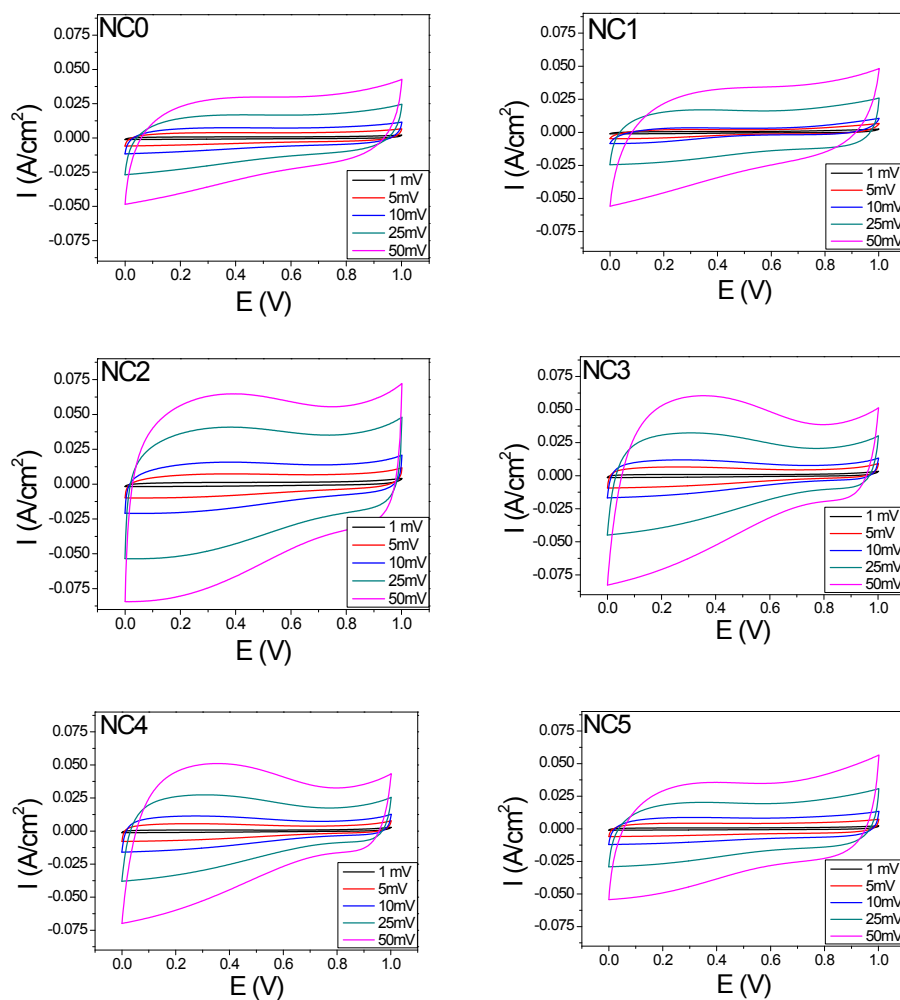
**Fig. S3** TEM images of A) NC4 and B) NC5.



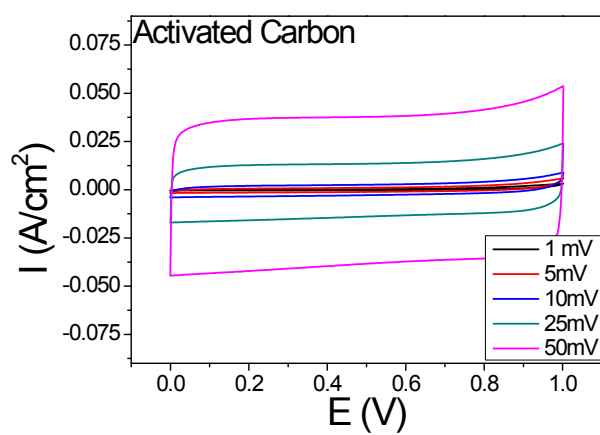
**Fig. S4** (A) CO<sub>2</sub> adsorption isotherm plot, and (B) pore size distribution for NC2.



**Fig. S5** N<sub>2</sub> Adsorption isotherm plot for NC<sub>2</sub> not annealed (BET surface area: 4.0862 m<sup>2</sup>g<sup>-1</sup>)



**Fig. S6** Cyclic Voltammetry curve for samples NC0, NC1, NC2, NC3, NC4, and NC5.



**Fig. S7** Cyclic Voltammetry curve for the sample made of activated carbon of the same weight, tested under the same condition.