

Supporting Information

A Novel Bottom-up Solvothermal Synthesis of Carbon Nanosheets

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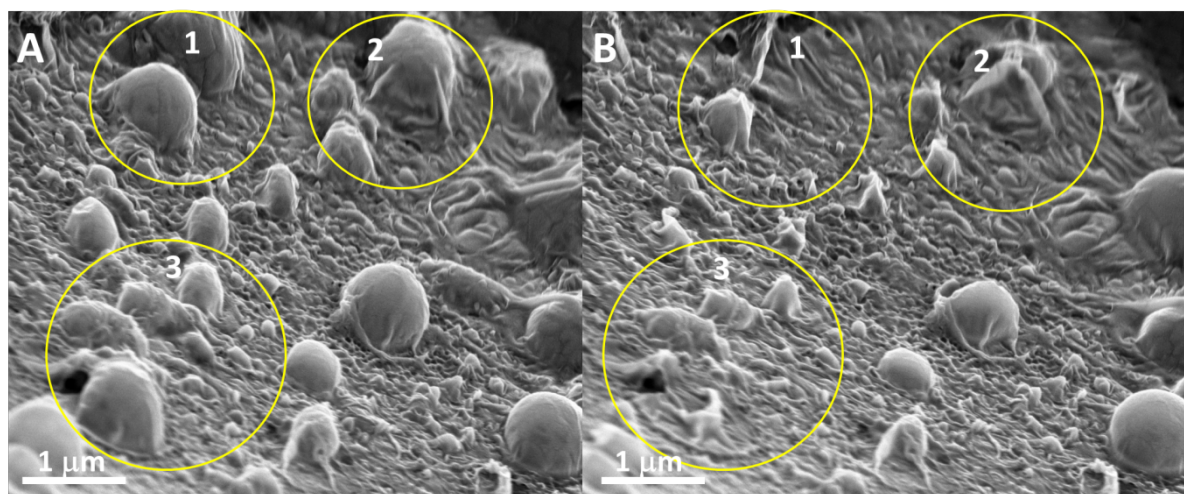


Fig.1S A) The thin layered structure of CNS highlighted by the air pockets; B) The air pockets moved and burst under the electron irradiation.

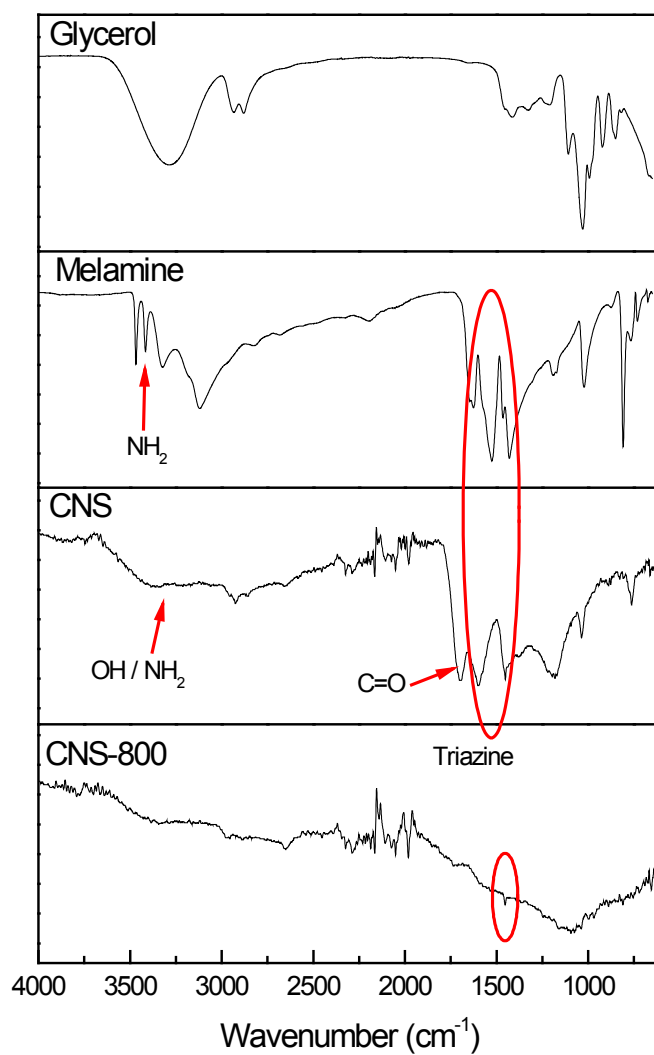


Fig.2S FT-IR spectra of glycerol, melamine, CNS and CNS-800

Table 1S Carbon, oxygen, nitrogen and sulfur atomic percentages from CNS and CNS -800

Sample name	C atom%	O atom%	N atom%	S atom%	C/O ratio	C/N ratio
CNS	82.65	14.49	1.75	1.11	5.70	47.23
CNS-800	85.81	9.09	3.33	1.77	8.44	25.77

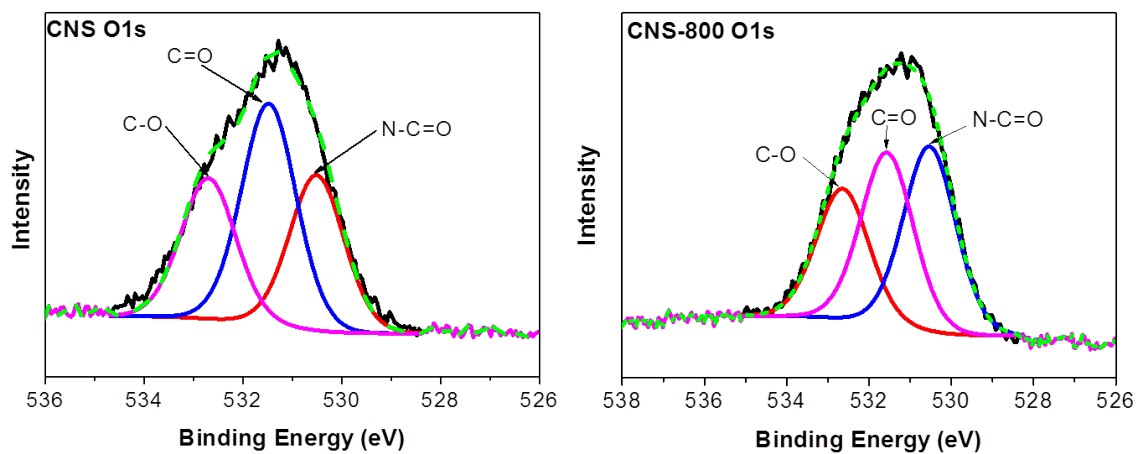


Fig.3S High resolution O 1s spectrum of CNS and CNS-800

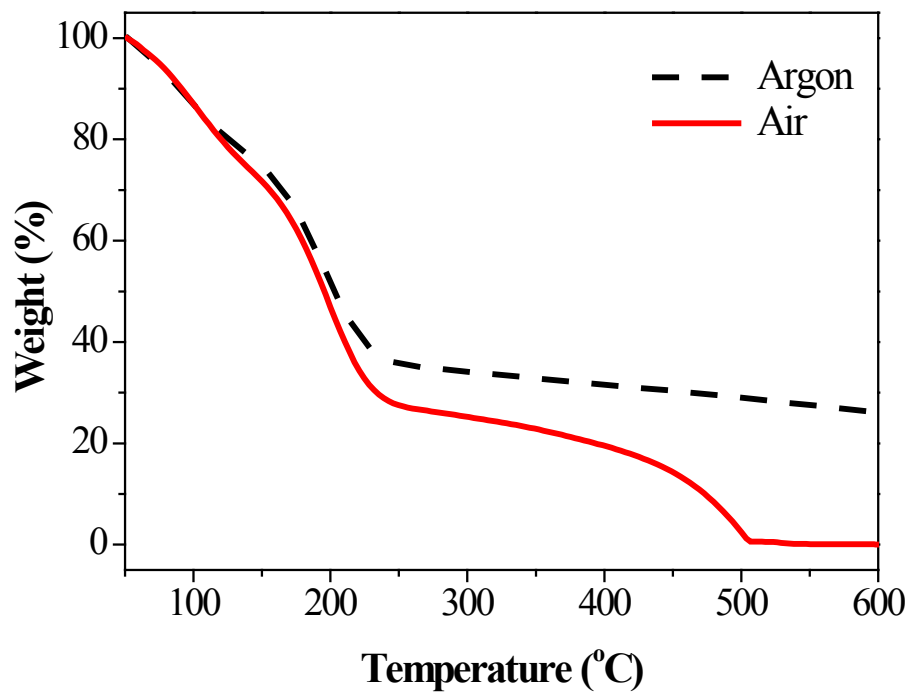


Fig. 4S TGA curves of the CNS performed in Argon and air atmosphere.



Fig.5S Resistance test of CNS-800 (left) and reduced graphene film reduced by HI (right) using a multimeter

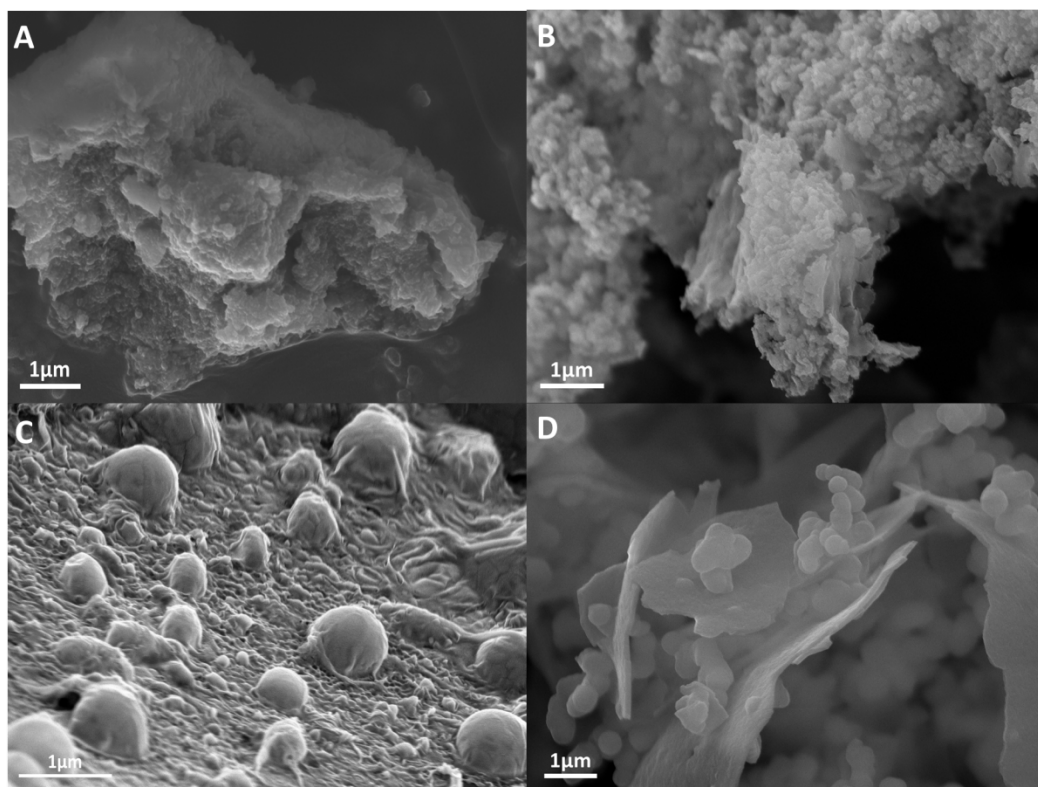


Fig. 6S FESEM images of the products prepared under different amount of melamine reacted with 10ml glycerol and 10 ml H_2SO_4 , A) 0 g melamine, B) 0.25 g melamine, C) 0.5 g melamine, and D) 1 g melamine.

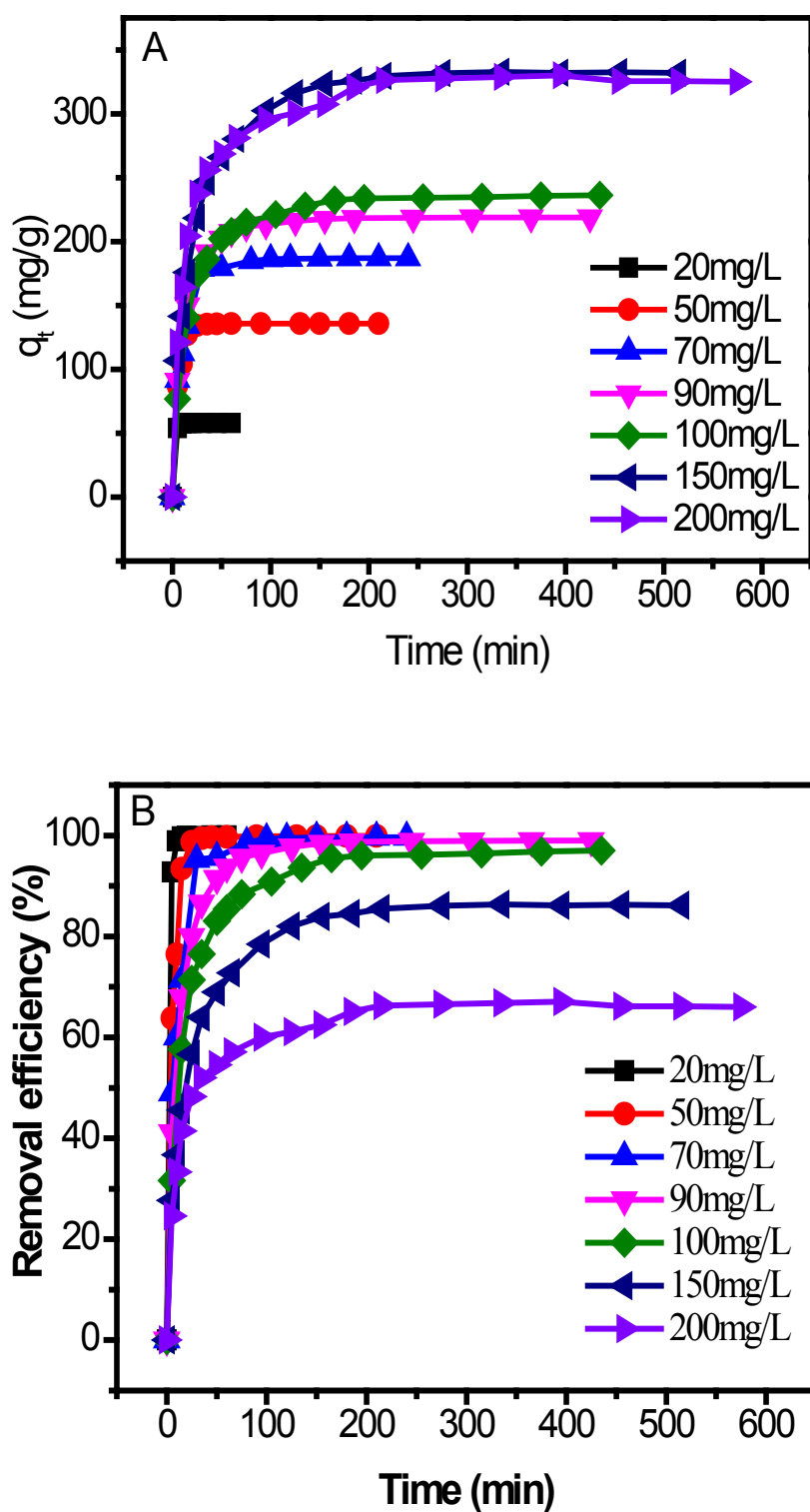


Fig. 7S Dynamic adsorption (A) and removal efficiency (B) of MB at different initial concentration (room temperature, pH=7)

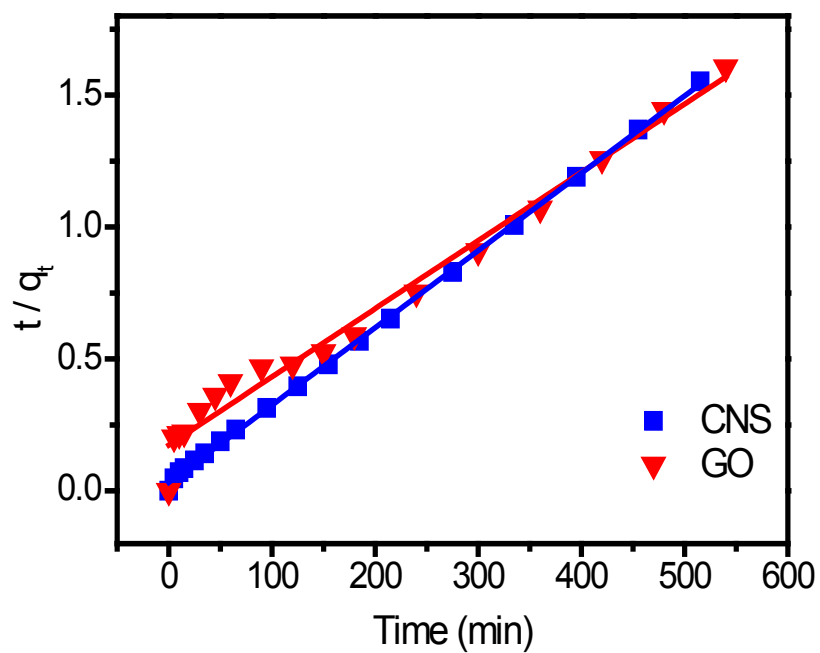


Fig. 8S Pseudo-second-order kinetic fitting curves for adsorption of MB

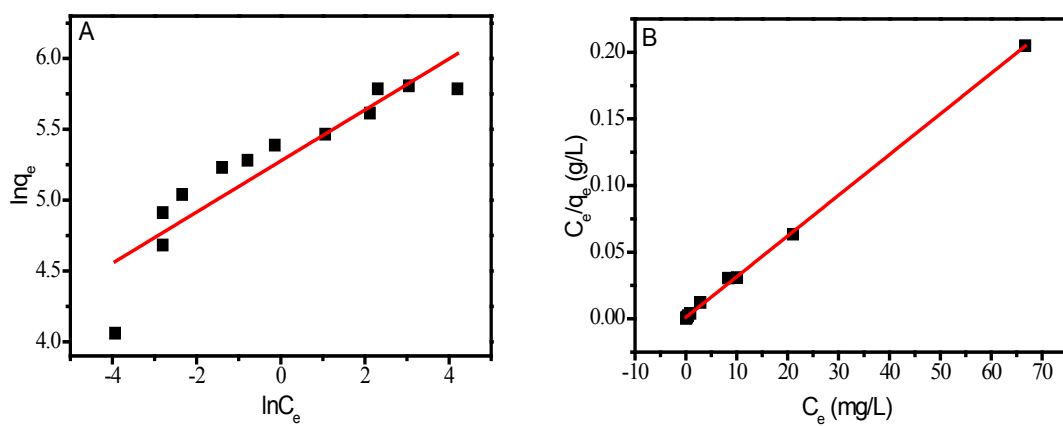


Fig. 9S Linear isotherm plot of Freundlich (A) and Langmuir (B) model of MB onto CNS.