

Aloe-vera assisted facile green synthesis of reduced graphene oxide for improved electrochemical and dye removal applications

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Electronic Supplementary Information (EIS) available

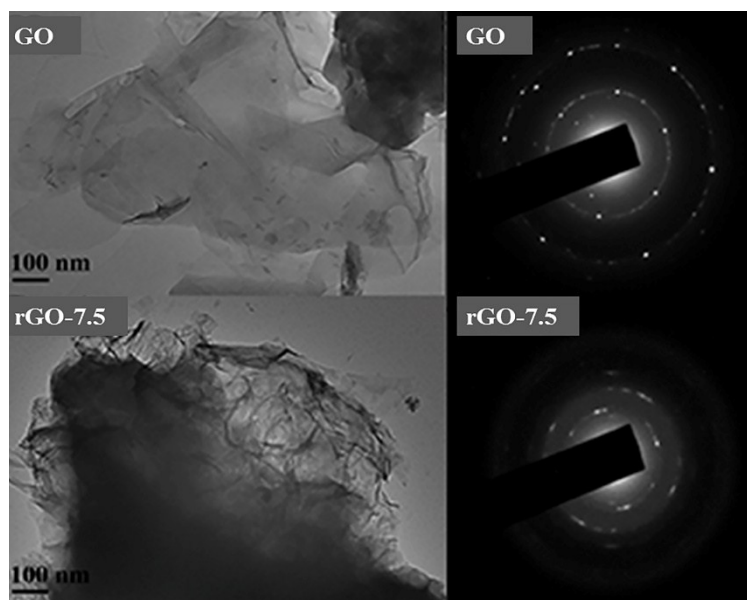


Fig. S1. TEM images of GO (top left) and rGO-7.5 samples (bottom left). The corresponding SAED patterns are represented in the right side.

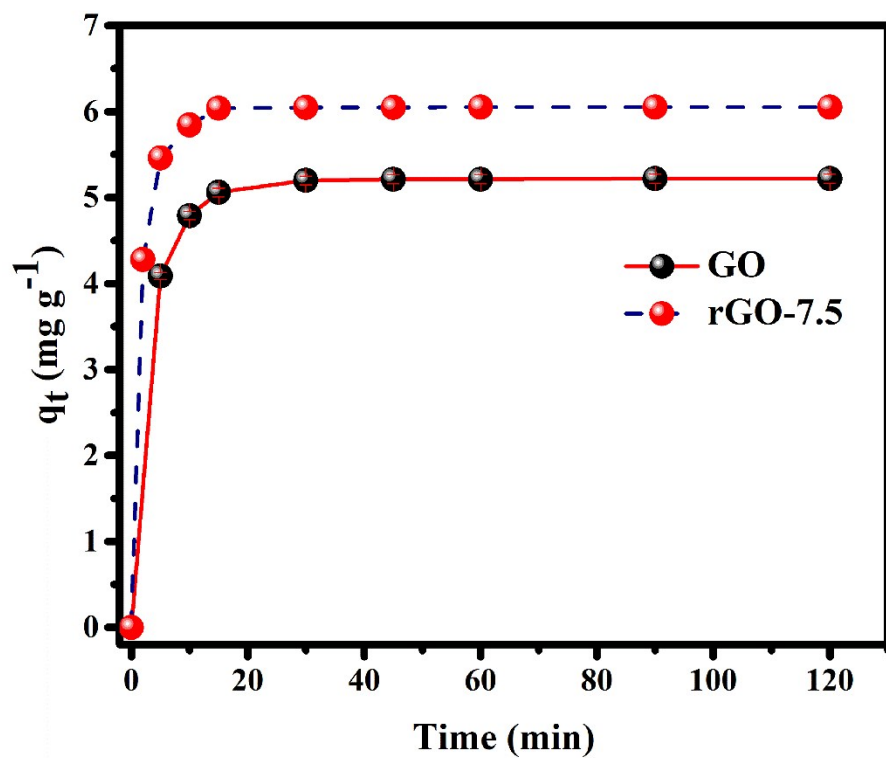


Fig. S2. Adsorption capacity of Methylene blue over GO and rGO-7.5.

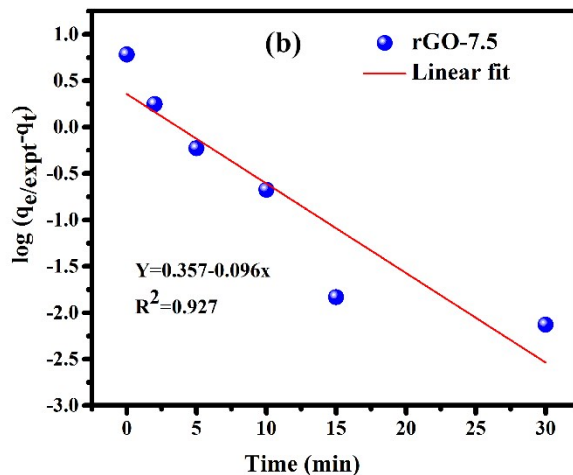
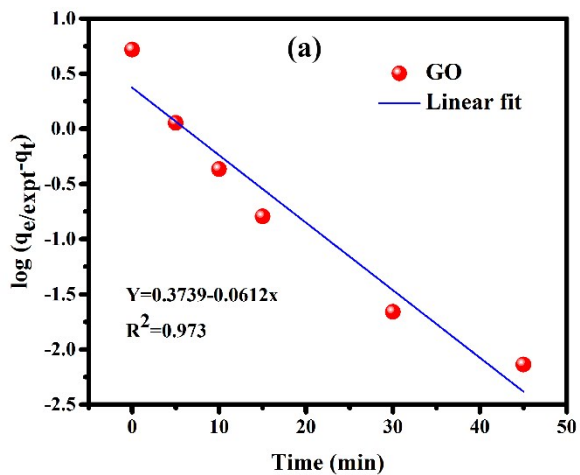


Fig. S3. Plot of $\log(q_e/\text{expt}-q_e)$ vs. time for adsorption of MB over (a) GO (b.) rGO-7.5.

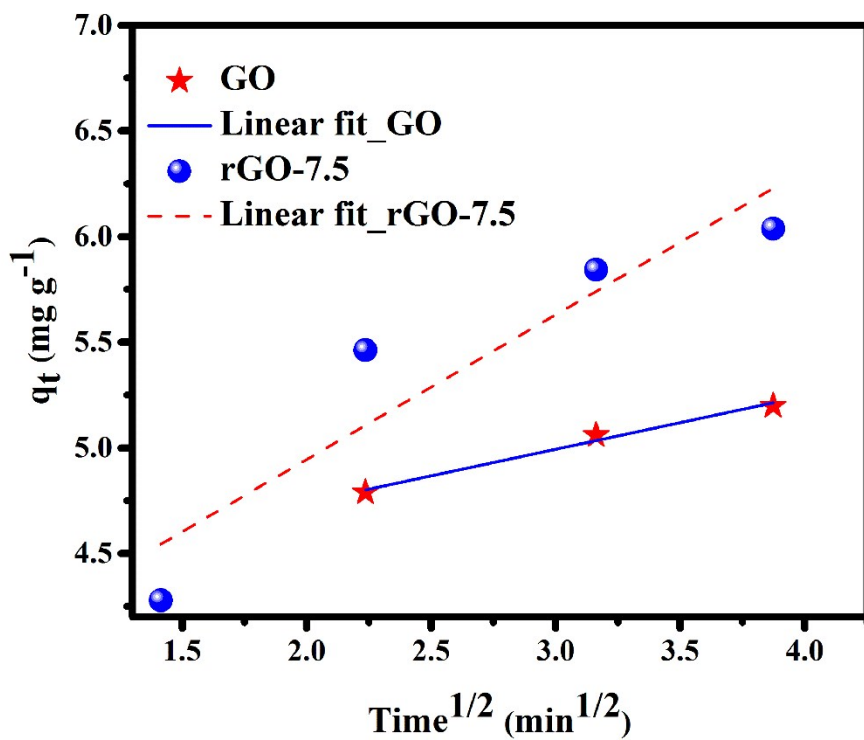


Fig. S4. Plot of q_t vs. $t^{1/2}$ for adsorption of MB over GO and rGO-7.5.

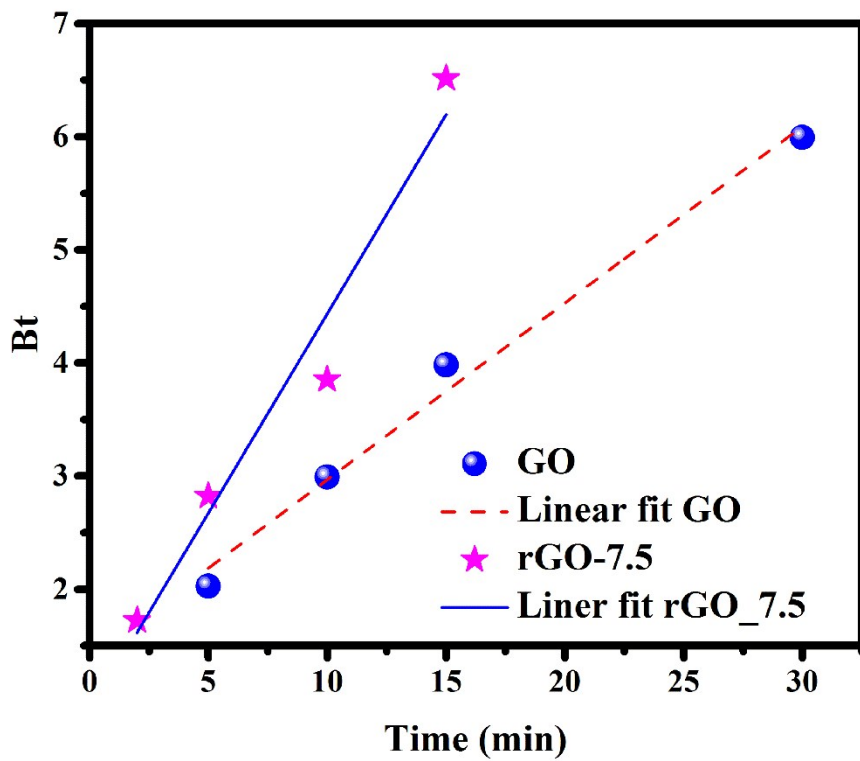


Fig. S5. Plot of Bt vs. t for adsorption of MB over GO and rGO-7.5.