

Supporting Information

Hydrophobic-Polymer-Grafted Graphene Oxide Nanosheets as an Easily Separable Adsorbent for the Removal of Tetrabromobisphenol A

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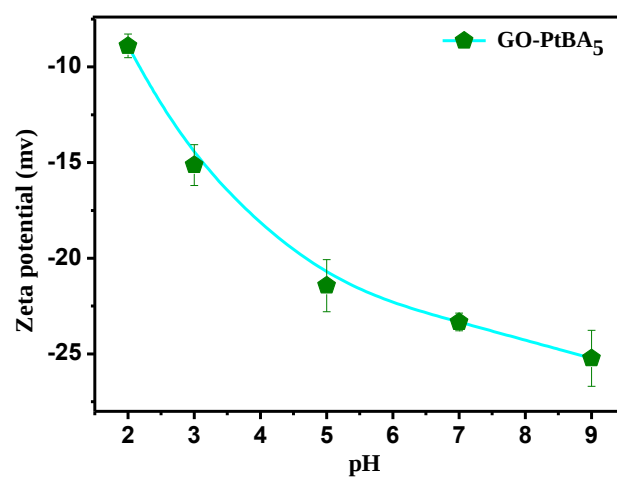


Figure S1. Zeta potentials of the GO-PtBA₅ in aqueous dispersions with different pH values (mean $\pm$ standard deviation, n=3).

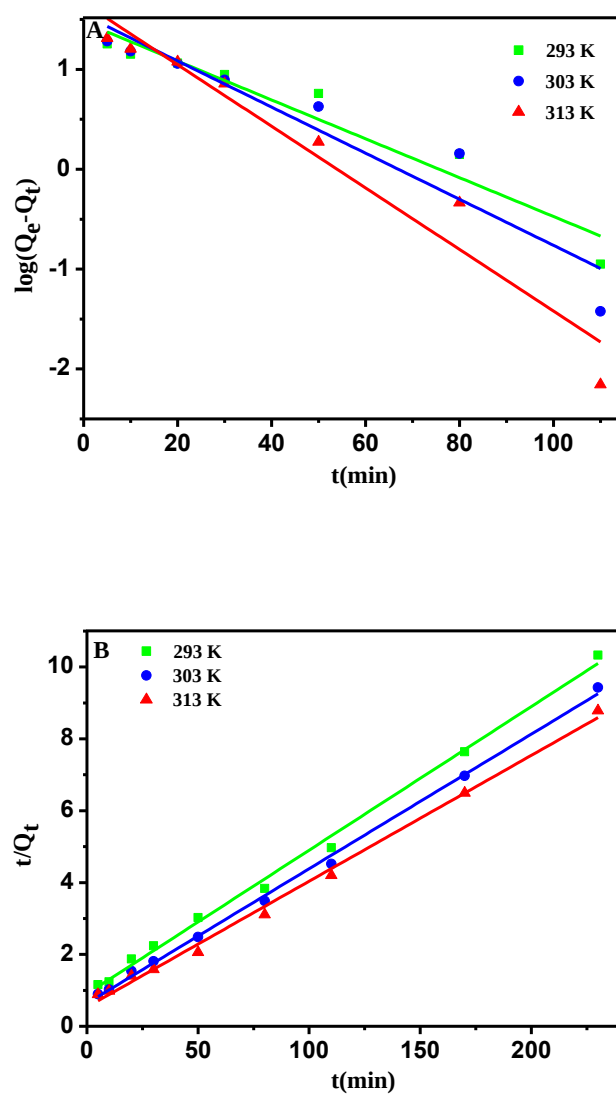


Figure S2. Pseudo-first-order (A) and Pseudo-second-order (B) models for the adsorption of TBBPA on the GO-PtBA₅ adsorbent at 293, 303 and 313 K, respectively.

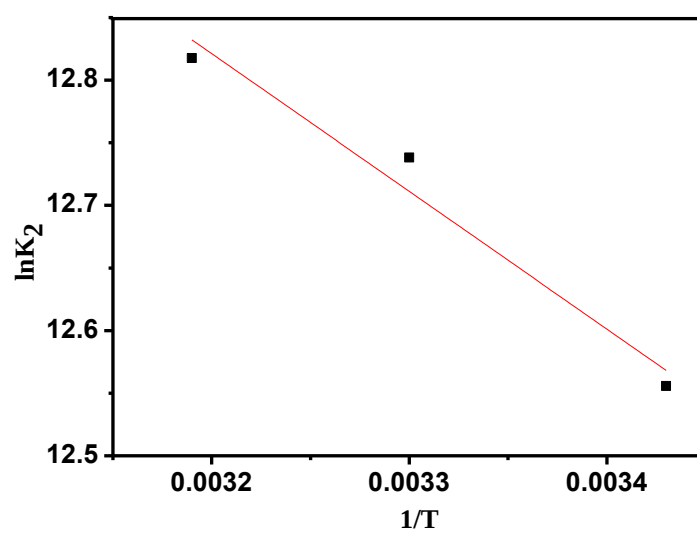


Figure S3. Plot of $\ln K_2$ versus $1/T$ of the adsorption of TBBPA on the GO-PtBA₅.

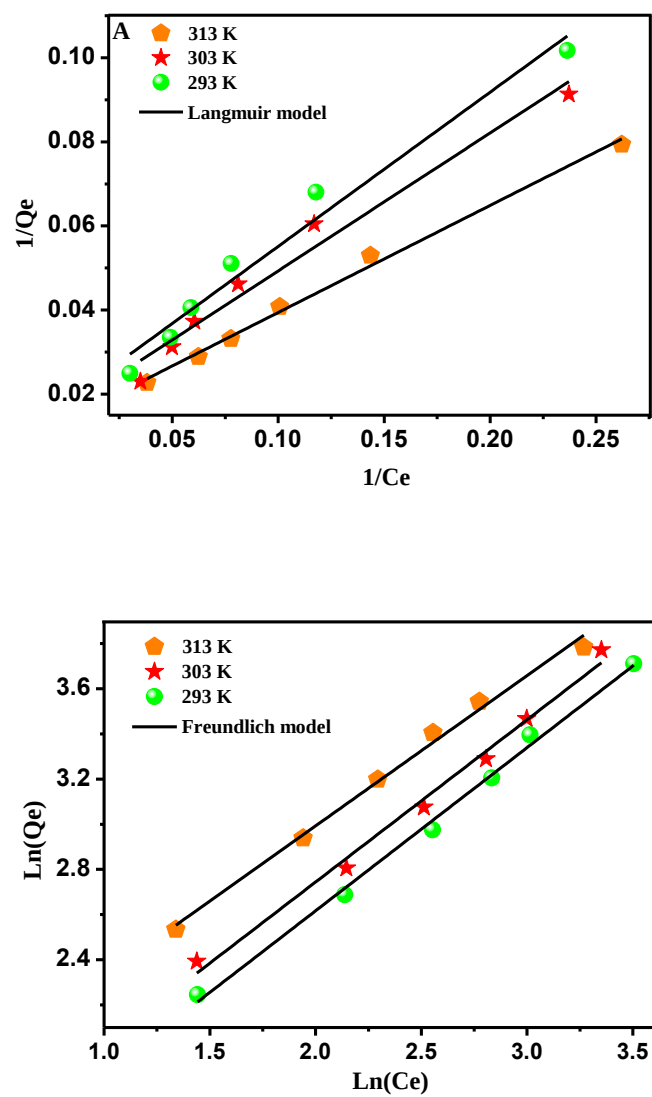


Figure S4. Langmuir and Freundlich model isotherm plots for the adsorption of TBBPA on the GO-PtBA₅.

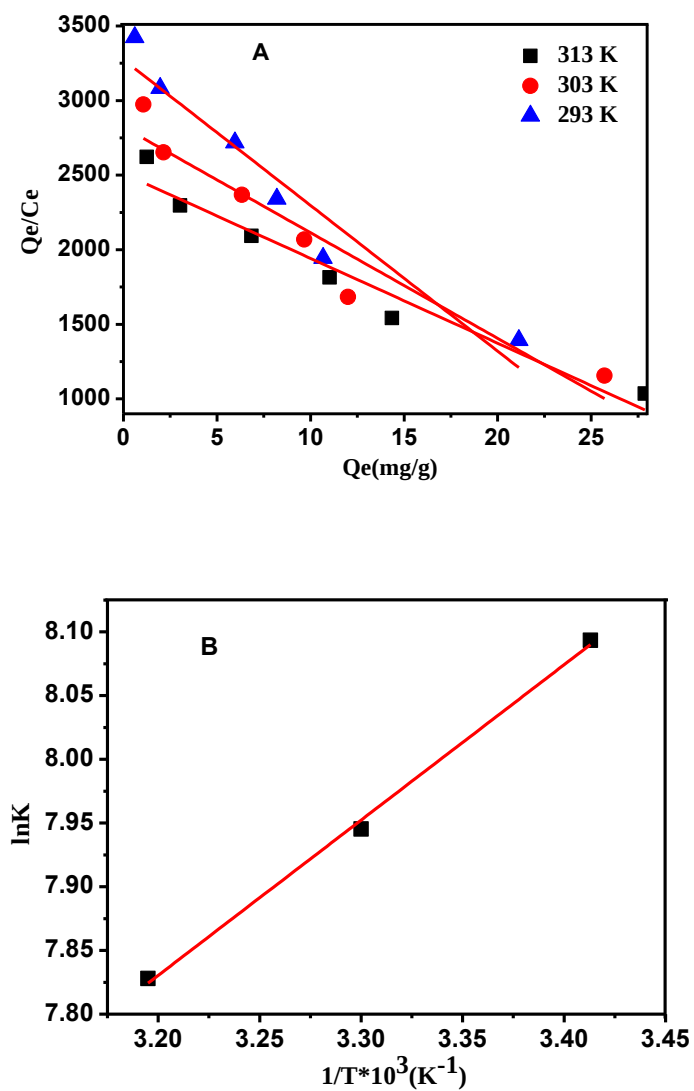


Figure S5. Plot of Q_e/C_e vs. Q_e of the adsorption of TBBPA on the GO-PtBA₅ at different temperatures (A) and plot of $\ln K$ vs $1/T \times 10^3$ of the adsorption of TBBPA on the GO-PtBA₅ (B).