

Electronic Supplementary Information

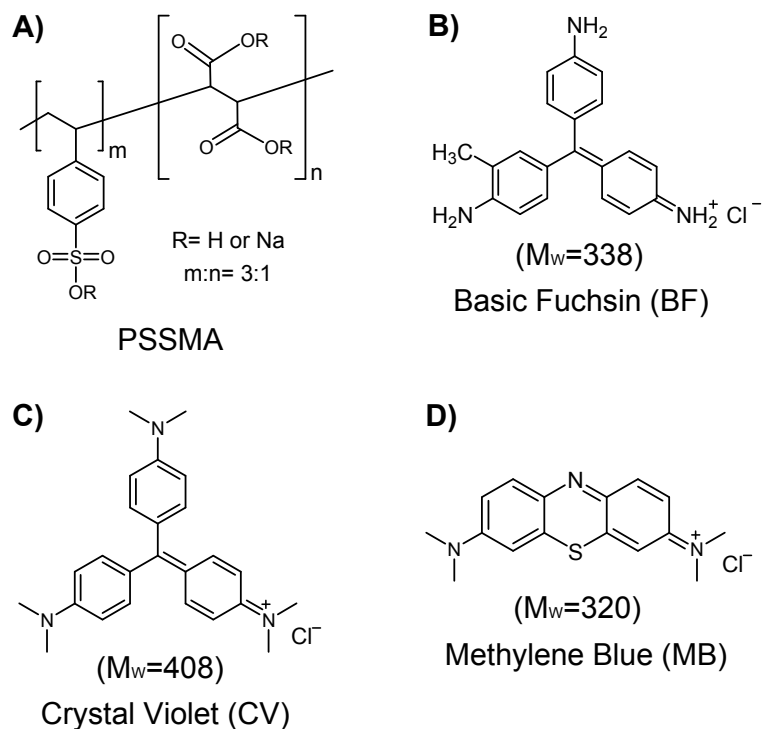


Fig. S1. Molecular structures of poly (4-styrenesulfonic acid-*co*-maleic acid) sodium salt (PSSMA) (A) and three cationic dyes: basic fuchsin (BF) (B), crystal violet (CV) (C) and methylene blue (MB) (D).

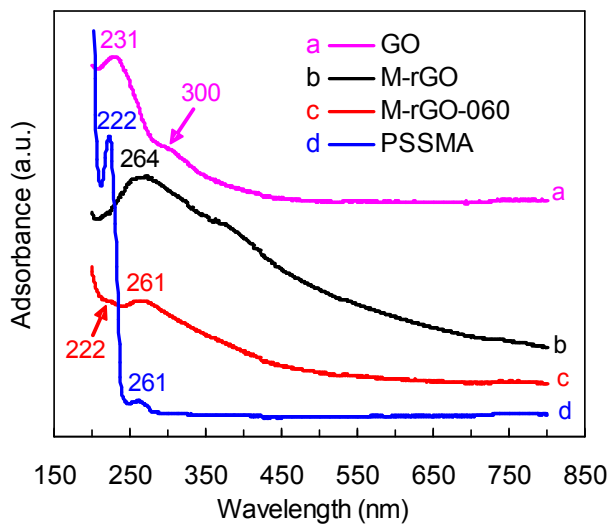


Fig. S2. UV-vis spectra of GO (a), M-rGO (b), M-rGO-060 (c) and PSSMA (d) dispersed in water.

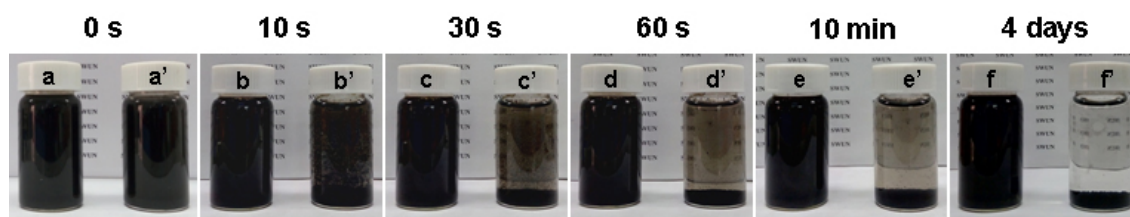


Fig. S3. Digital photographs of M-rGO-060 (a-f) and M-rGO (a'-f') aqueous dispersions upon storing different time at room temperature.

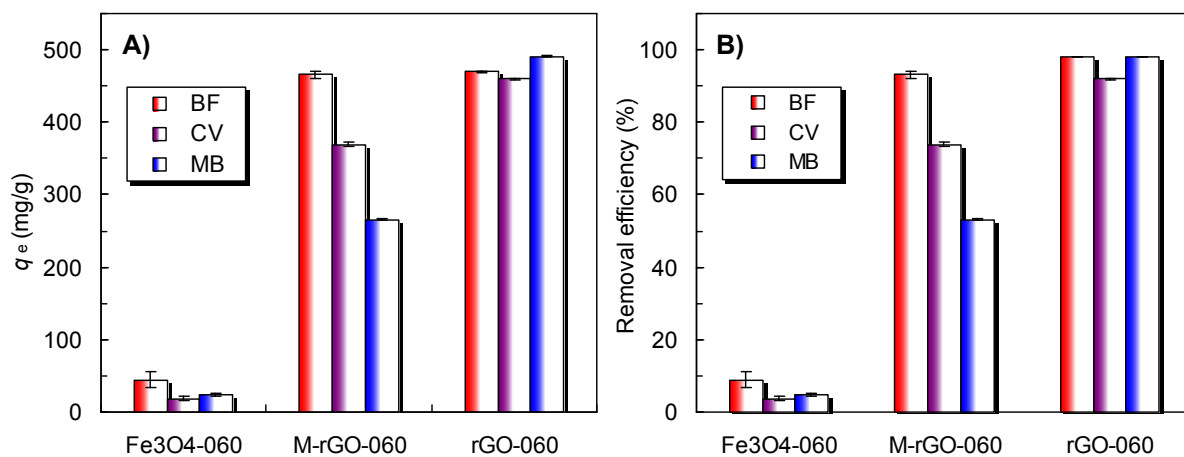


Fig. S4. Adsorption capacities (A) and removal efficiencies (B) of BF, CV and MB onto Fe₃O₄-060, M-rGO-060 and rGO-060. Condition: $C_{BF} = C_{CV} = C_{MB} = 250$ mg/L, $m/V = 10$ mg/20 mL, $T = 25$ °C and contact time = 30 min.

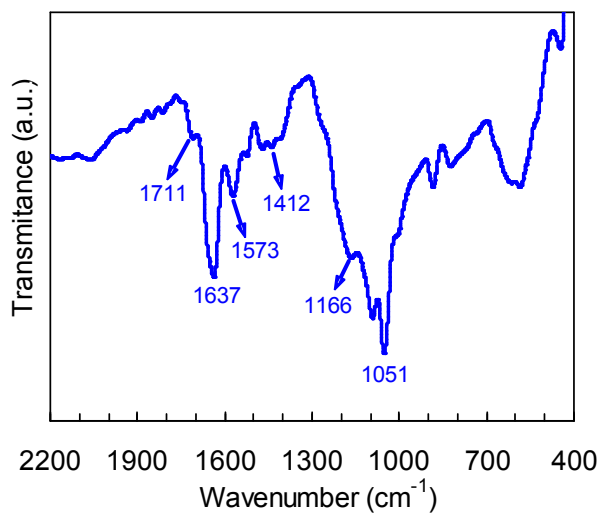


Fig. S5. FT-IR spectrum of rGO-060.