Electronic Supplementary Material (ESI) for New Journal of Chemistry.
This journal is © The Royal Society of Chemistry and the Centre National de la Recherche Scientifique 2021

Supplementary Material

A novel graphene oxide decorated with halloysite nanotubes (HNTs/GO) composite used for removal of levofloxacin and ciprofloxacin in a wide pH range

Qihui Wang, Min Yang, Xiaodan Qi, Jiexue Wang, Kang Sun, Zhonghui Li*, Guowei Deng*

College of Chemistry and Life Science, Sichuan Provincial Key Laboratory for Structural Optimization and Application of Functional Molecules, Chengdu Normal University, Chengdu, 611130, China.

Content

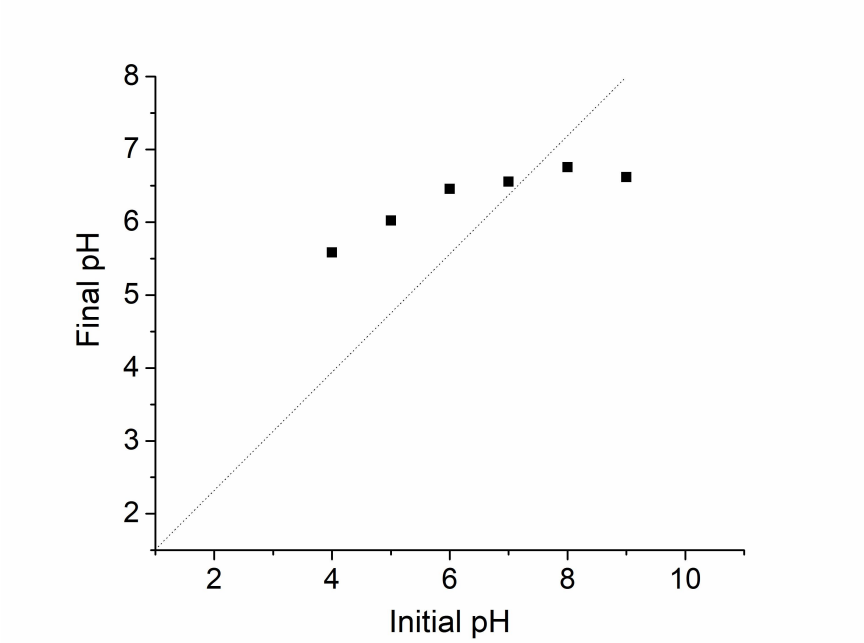

Figure S1. Determination of the points of zero charge of HNTs/GO by the pH drift method.

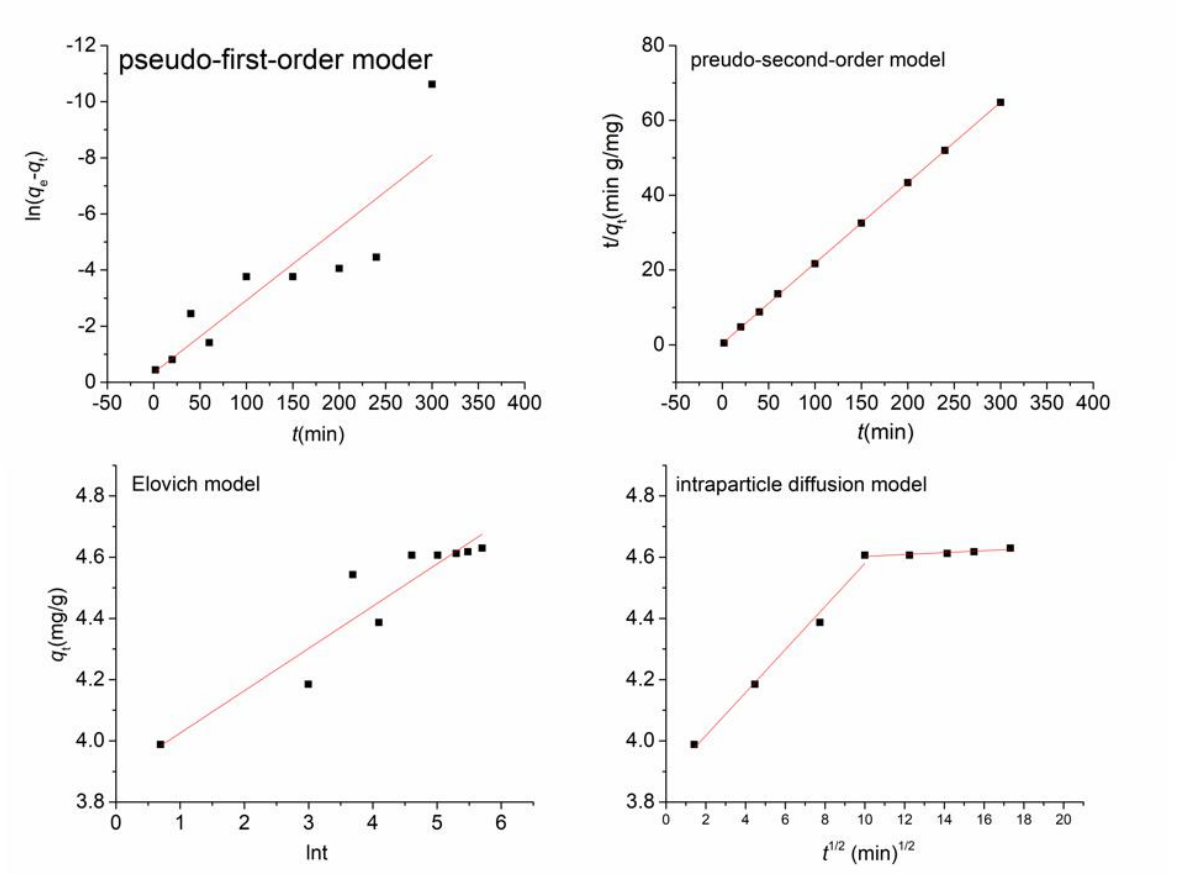

Figure S2. The fitting curves of adsorption kinetics for adsorption of LEV onto HNTs/GO.

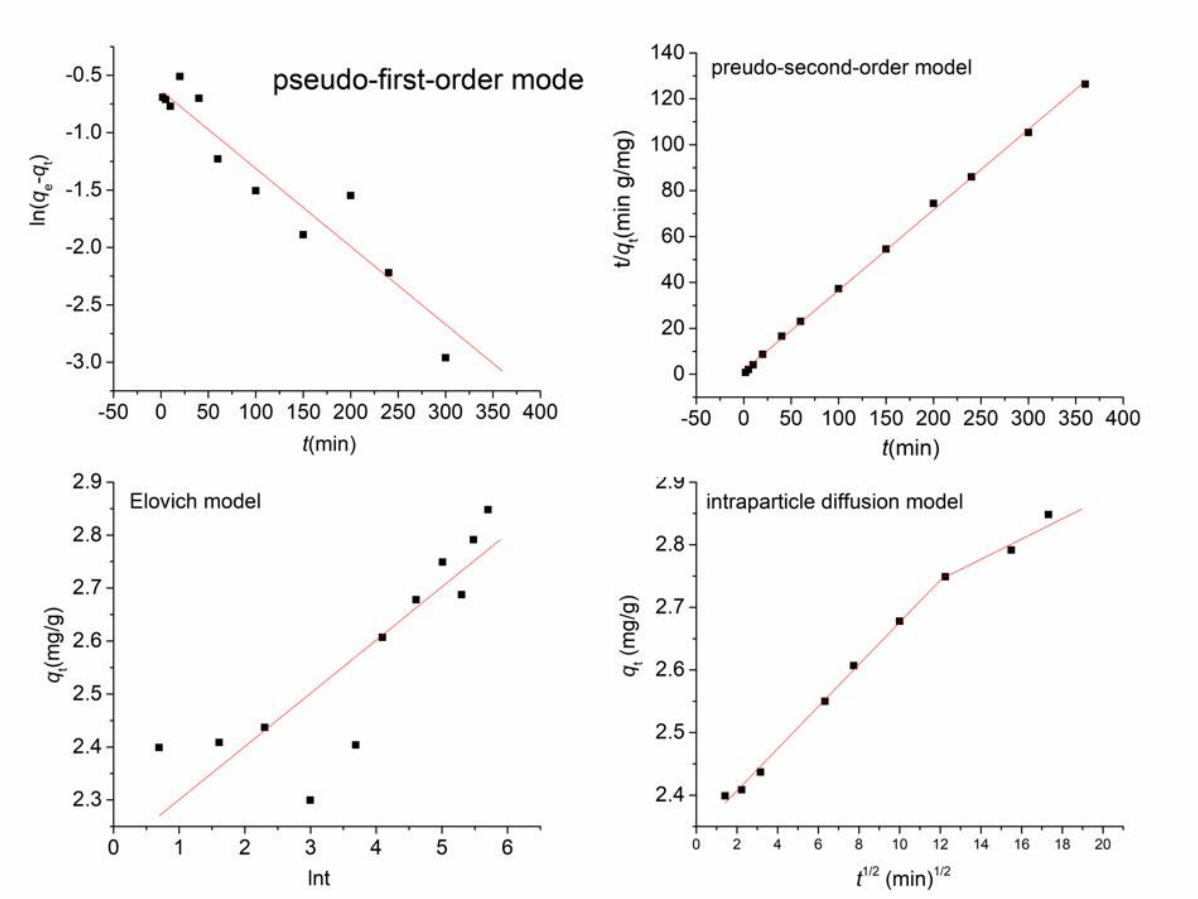

Figure S3. The fitting curves of adsorption kinetics for adsorption of CIP onto HNTs/GO.

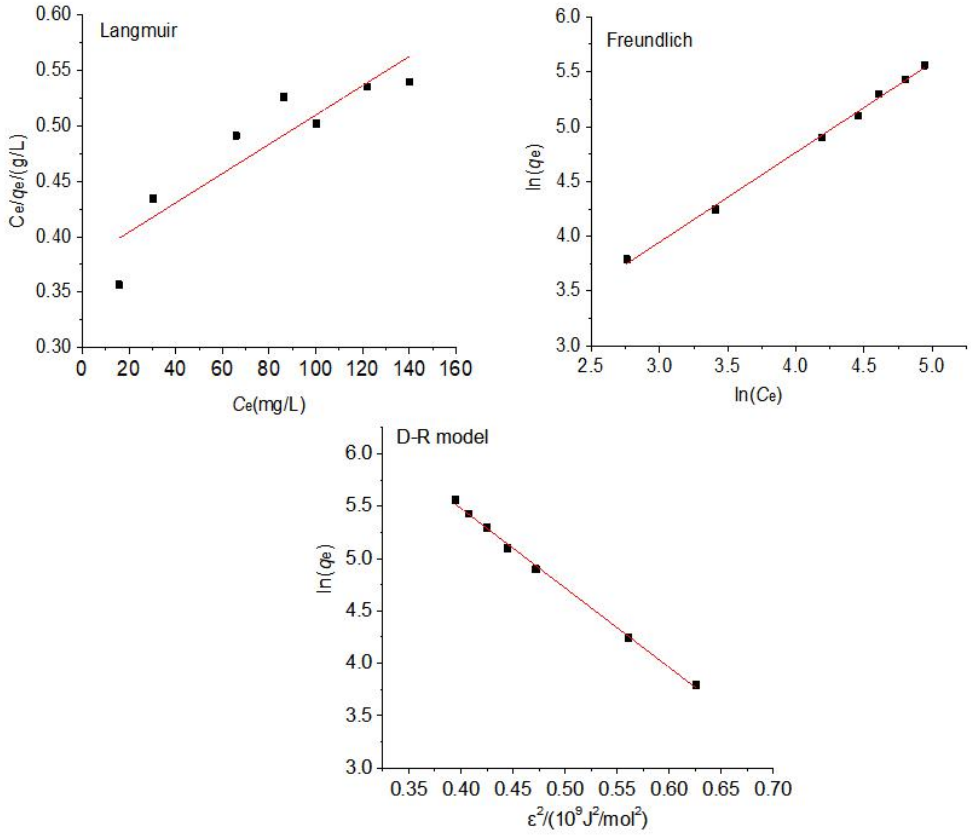

Figure S4. The fitting curves of adsorption isotherm for adsorption of LEV onto HNTs/GO.

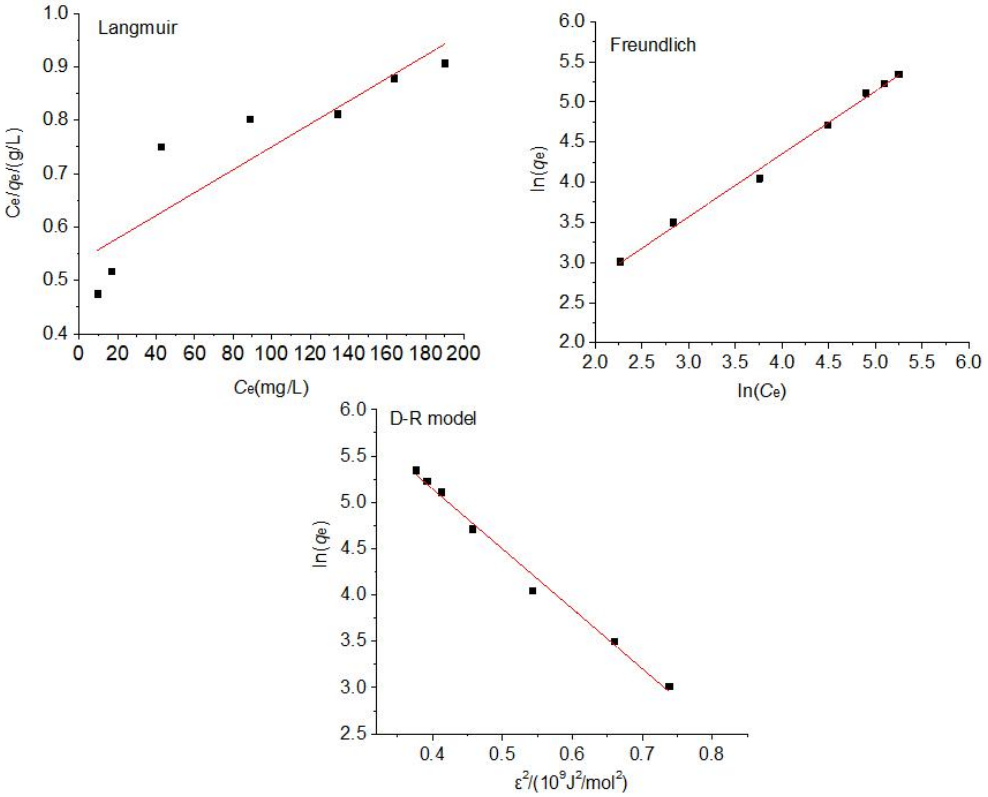

Figure S5. The fitting curves of adsorption isotherm for adsorption of CIP onto HNTs/GO.

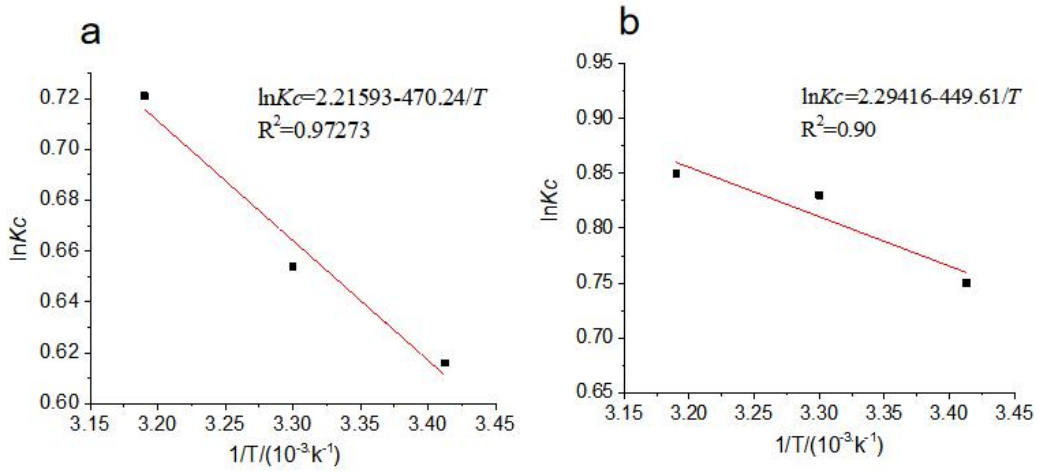

Figure S6. A plot of ln(K_c) against 1/T for (a) LEV and (b) CIP.

Table S1. The strength of the peaks of XPS for HNTs/GO, HNTs/GO-CIP, and HNTs/GO-LEV.

	HNTs/GO		HNTs/GO-CIP		HNTs/GO-LEV	
	Height CPS	Area (P) CPS.eV	Height CPS	Area (P) CPS.eV	Height CPS	Area (P) CPS.eV
N1s	1499.48	3844.13	965.31	3456.13	908.08	2985.3
O1s	80281.1	167849.11	68112.85	146122.75	69130.11	149331.76
C1s	6118.89	18244.03	5982.32	19282.98	6065.58	19455.94