Supplementary data

Biomass porous carbon loaded on graphitic carbon nitride composites by molten salt assisted thermal polycondensation for effective oxytetracycline removing

Hekun Ding [a,b] , Zheng Liu* [a,b], Qiongyue Zhang [a] , Xiao He [a,b], Qingge Feng [b], Dongbo Wang [b] and Dachao Ma [b]

[a.] *Guangxi Key Laboratory of Petrochemical Resource Processing and Process Intensification Technology, Guangxi University, Nanning 530004, Guangxi, China.*
[b.] *School of Resources, Environment and Materials, Guangxi University, Nanning 530004, Guangxi, China.*
** Corresponding author, Email Address: zhengl99@gxu.edu.cn (Zheng Liu)*

Table S1: Pseudo-first-order and pseudo-second order kinetics parameters for OTC adsorption with g-C_3N_4 and BPC(X%)/g-C_3N_4

Material	Model fitting parameters			
	Pseudo-first-order		Pseudo-second order	
	K_1 (1/min)	R^2	K_2 (g/mg·min)	R^2
g-C_3N_4	-0.02055	0.78432	0.54352	0.97876
BPC(1%)/g-C_3N_4	-0.09696	0.93549	0.87431	0.99493
BPC(5%)/g-C_3N_4	-0.19924	0.99992	0.95289	0.99957
BPC(10%)/g-C_3N_4	-0.23514	0.99857	1.00177	0.99979
BPC(20%)/g-C_3N_4	-0.05697	0.95432	0.66843	0.99381

Table S2: Langmuir and Freundlich adsorption isotherms fitting parameters for OTC adsorption with g-C_3N_4 and BPC(X%)/g-C_3N_4

Material	Model fitting parameters					
	Langmuir model			Freundlich model		
	Q_m(mg/g)	b (L/mg)	R^2	K (L/g)	n	R^2
g-C_3N_4	3.1573	0.0064	0.9808	0.0477	1.04215	0.98796
BPC(1%)/g-C_3N_4	3.51184	0.08718	0.96705	0.53707	1.53052	0.98535
BPC(5%)/g-C_3N_4	4.56624	0.06485	0.96017	0.5176	1.88487	0.99084
BPC(10%)/g-C_3N_4	5.30623	0.06238	0.95959	0.57263	1.84689	0.9742
BPC(20%)/g-C_3N_4	6.8294	0.13174	0.97489	1.41196	2.39234	0.97248

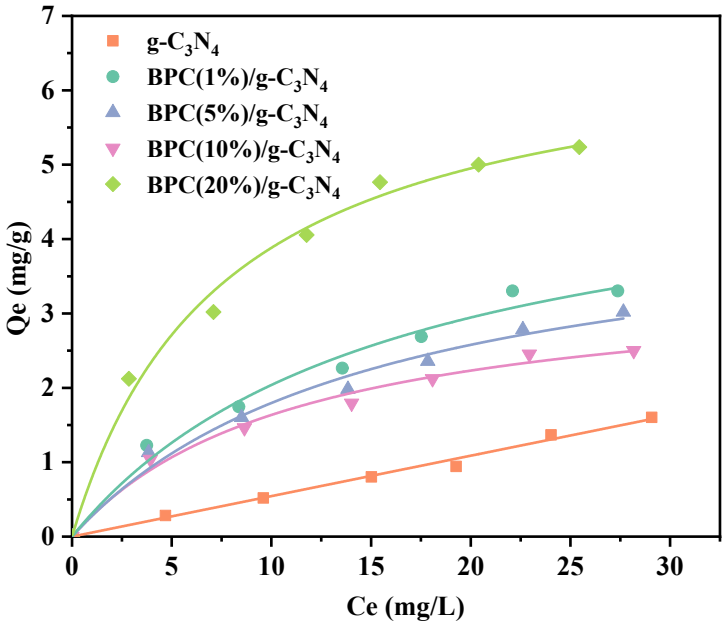

Fig. S1 Linear plots of Langmuir isotherm.

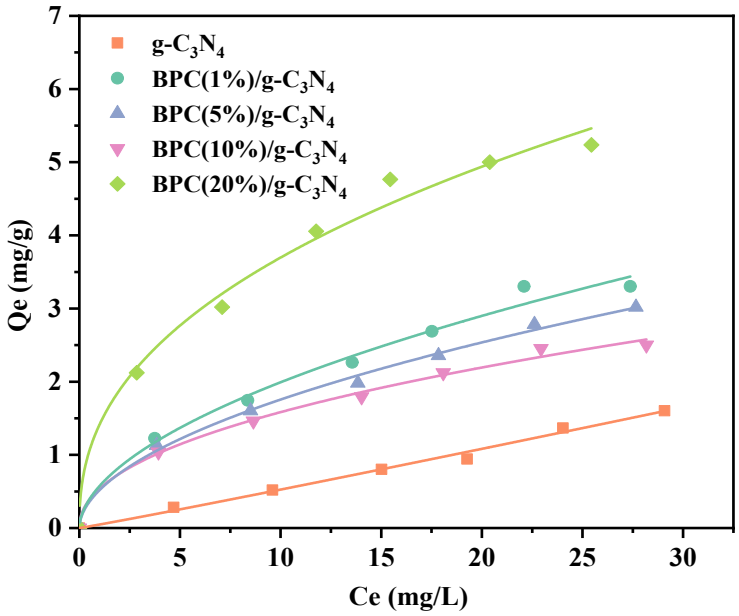

Fig. S2 Linear plots of Freundlich isotherm.