materials

MDPI

Supplementary material

Dynamic Adsorption of Sulfamethoxazole from Aqueous Solution by Lignite Activated Coke

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1. Adsorption Isotherms

The Freundlich model [1] was as follows:

$$q_e = FC_e^n \quad (1)$$

where q_e (mg/g) and C_e (mg/L) are the adsorption capacity and the concentration of sulfamethoxazole at equilibrium, respectively; F, n are the empirical constants.

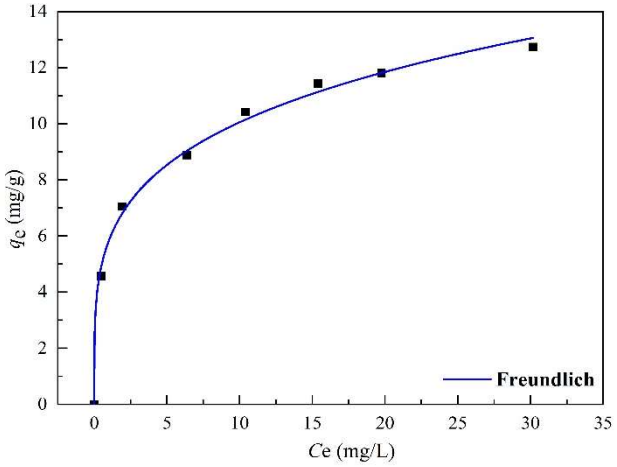

Figure S1. Adsorption isotherms of sulfamethoxazole. Condition: under low initial concentrations of 1~50 mg/L. Adsorbent dosage = 0.5 g/L, pH = 6.5 ± 0.1, [NaCl] = 10 mmol/L.

Table S1. Adsorption isotherms parameters.

Model	Parameters	Value
Freundlich	K	5.85
	1/n	0.23
	R^2	0.996

References

1. Li, Z.; Wu, L.; Liu, H.; Lan, H.; Qu, J. Improvement of aqueous mercury adsorption on activated coke by thiol-functionalization. *Chem. Eng. J.* **2013,** *228*, 925–934.