

Accepted Manuscript

Correlation and prediction of adsorption capacity and affinity of aromatic compounds on carbon nanotubes

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PII: S0043-1354(15)30302-X

DOI: [10.1016/j.watres.2015.10.037](https://doi.org/10.1016/j.watres.2015.10.037)

Reference: WR 11598

To appear in: *Water Research*

Received Date: 2 July 2015

Revised Date: 23 September 2015

Accepted Date: 18 October 2015

Please cite this article as: Wu, W., Yang, K., Chen, W., Wang, W., Zhang, J., Lin, D., Xing, B., Correlation and prediction of adsorption capacity and affinity of aromatic compounds on carbon nanotubes, *Water Research* (2015), doi: 10.1016/j.watres.2015.10.037.

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Graphical abstract

Prediction model:

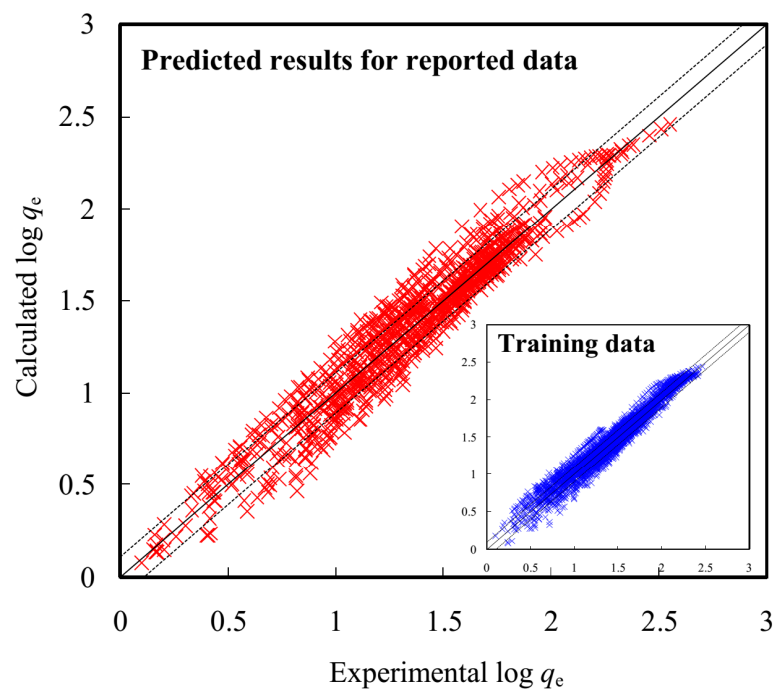
$$\log q_e = \log Q^0 - (\varepsilon/E)^b$$

$$Q^0 = f(A, R_{\text{meso}}, \mathbf{MP}, N)$$

$$E = f(\alpha_m, R_{\text{meso}}, \pi^*)$$

$$b = f(\alpha_m, R_{\text{meso}}, \pi^*)$$

$$\varepsilon = -RT \ln(C_e/C_s)$$



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