



Supplementary Materials

Table S1. Isotherm and kinetic model parameters

| Langmuir model | | | Freundlich model | | | | |
|--------------------------|--------------------------|--------|---------------------------|-----------------|--------|---------------------------------|--------|
| Q_m | b | R^2 | K_f | n | R^2 | | |
| 41.49 mg/g | 0.992 mg/L | 0.8627 | 19.23 L/g | 5.34 | 0.9258 | | |
| Pseudo-first order model | | | Pseudo-second order model | | | Intra-particle diffusion model | |
| q_e | K_1 | R^2 | q_e | K_2 | R^2 | $K_{ID\ 1}$ | R^2 |
| 8.73 mg/g | 0.0011 min ⁻¹ | 0.7934 | 33.67 mg/g | 0.0005 g/mg/min | 0.989 | 0.0243 mg g min ^{-1/2} | 0.9946 |