

Supplementary Materials: Preparation of Silk Sericin/Lignin Blend Beads for the Removal of Hexavalent Chromium Ions

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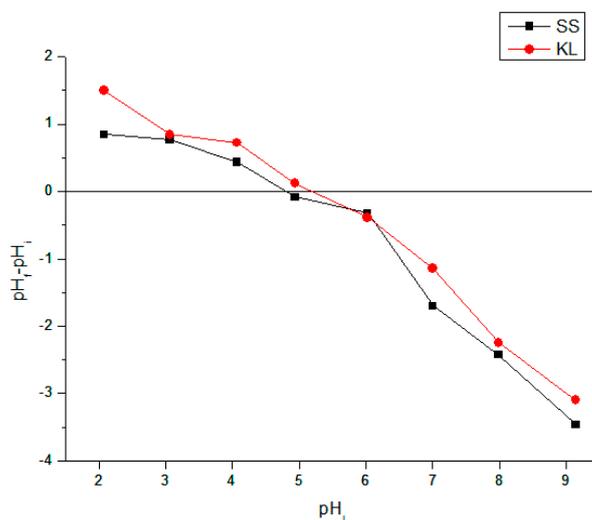


Figure S1. Point of zero charge (pH_{pzc}) of the SS and KL, determined by the pH drift method.

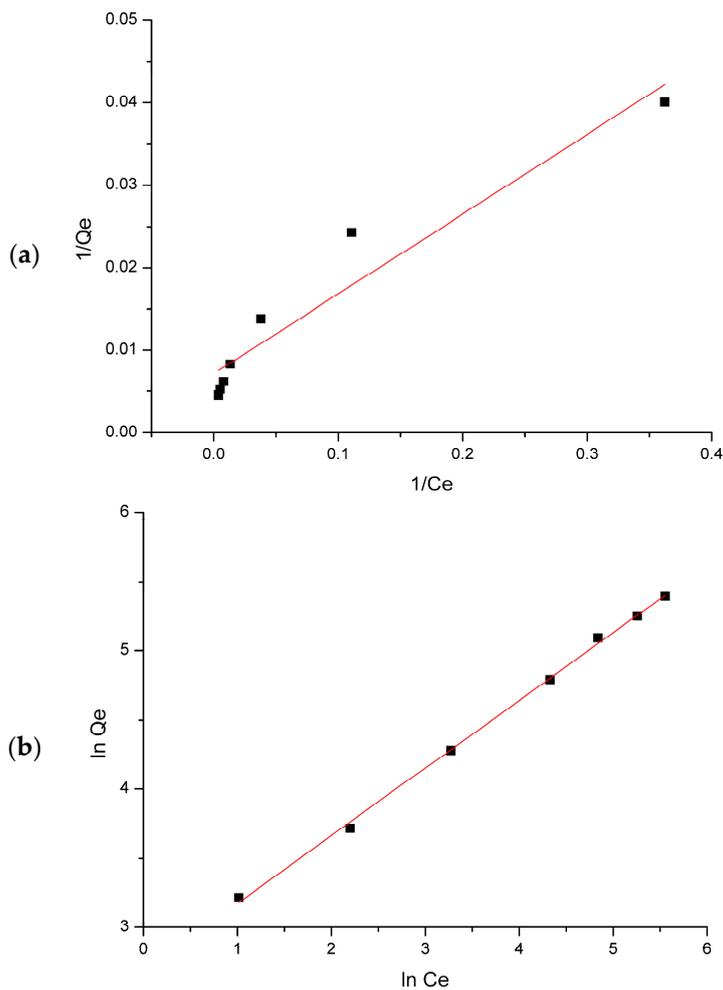


Figure S2. Cont.

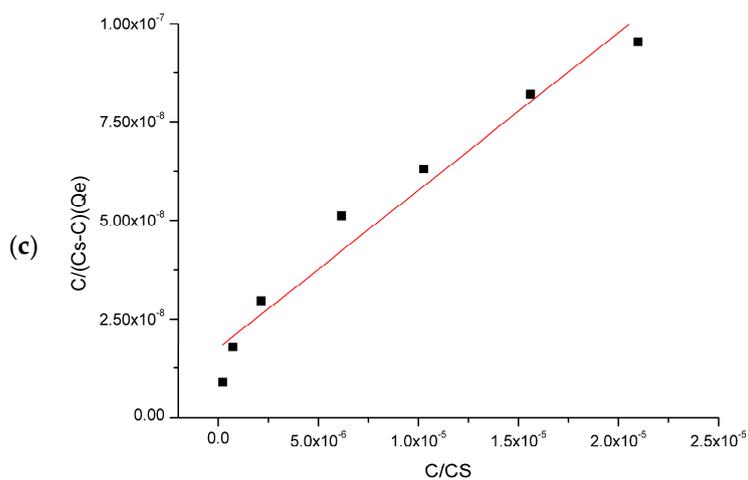


Figure S2. Linear plot of (a) Langmuir, (b) Freundlich and (c) BET isotherms of SS/KL beads.

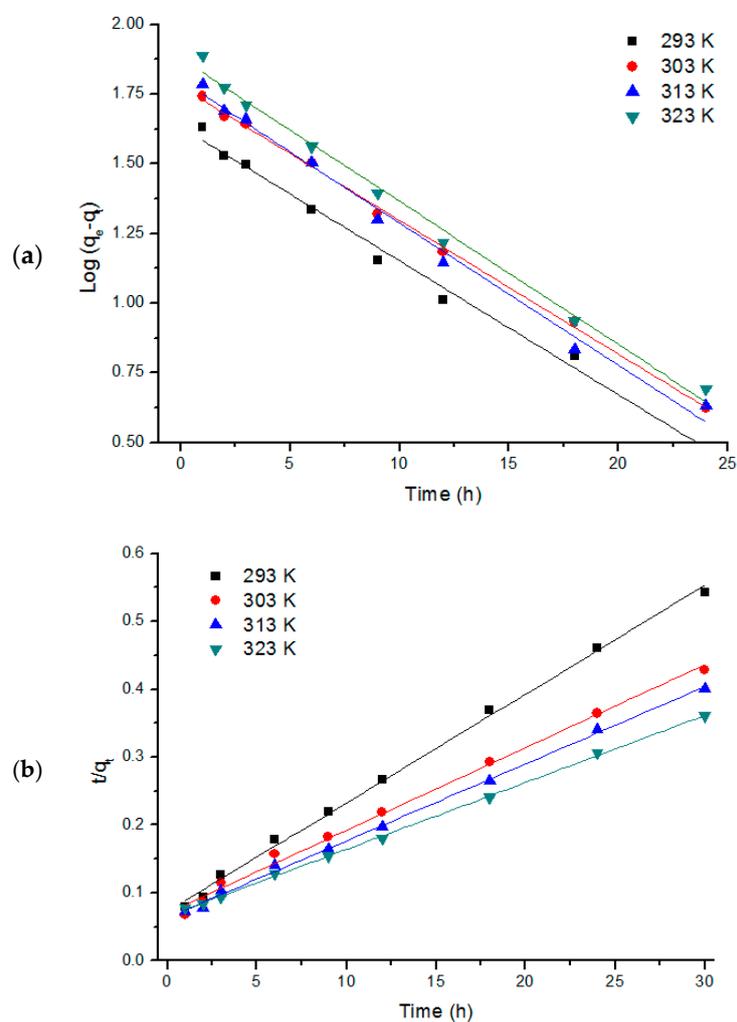


Figure S3. Linear plot of (a) the pseudo-first-order and (b) the pseudo-second-order kinetics of SS/KL beads.

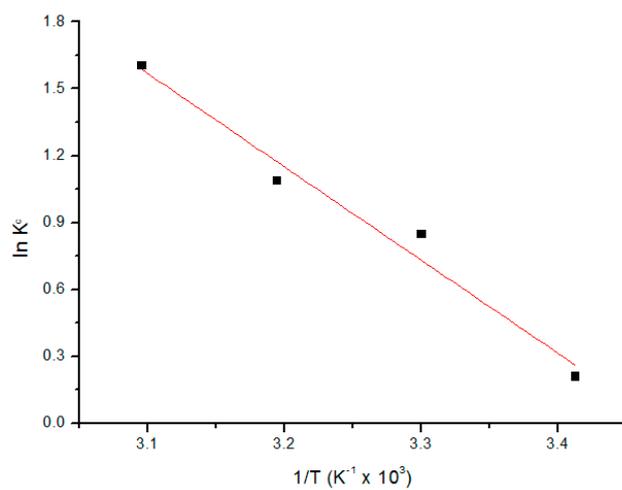


Figure S4. Plot of $\ln K_c$ versus $1/T$ for the estimation of the thermodynamics of SS/KL beads.