

Supplementary information 1

Synthesis, characterization, and application of mixed-addenda silicovanadotungastate polyoxometalate integrated into nanoporous MIL-101(Cr) for the quick removal of organic dyes from water

Hosna Malmir ^a, Farrokhzad M. Zonoz ^{a,*}, Mehdi Baghayeri ^{b,c}, Reza Tayebee ^a

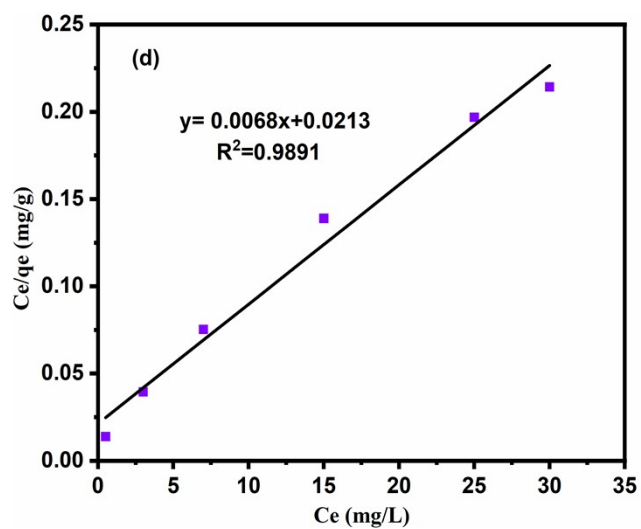
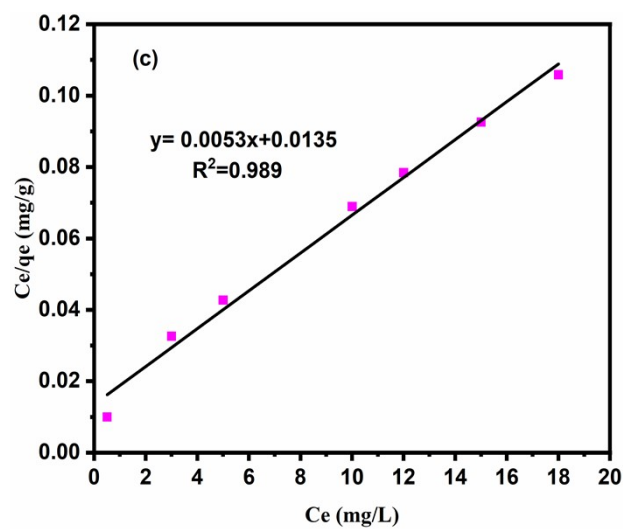
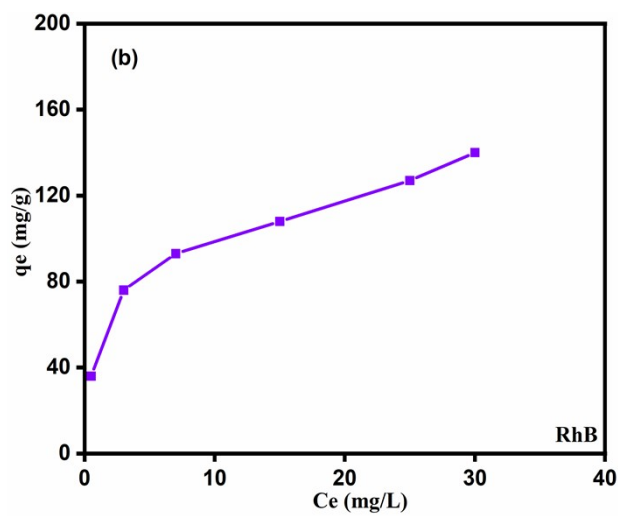
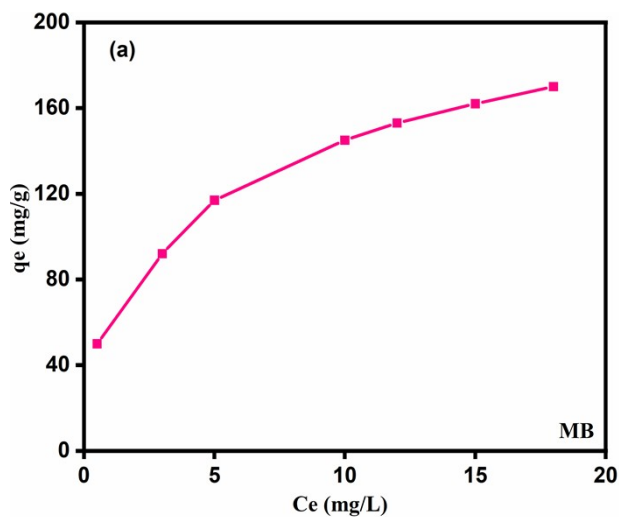
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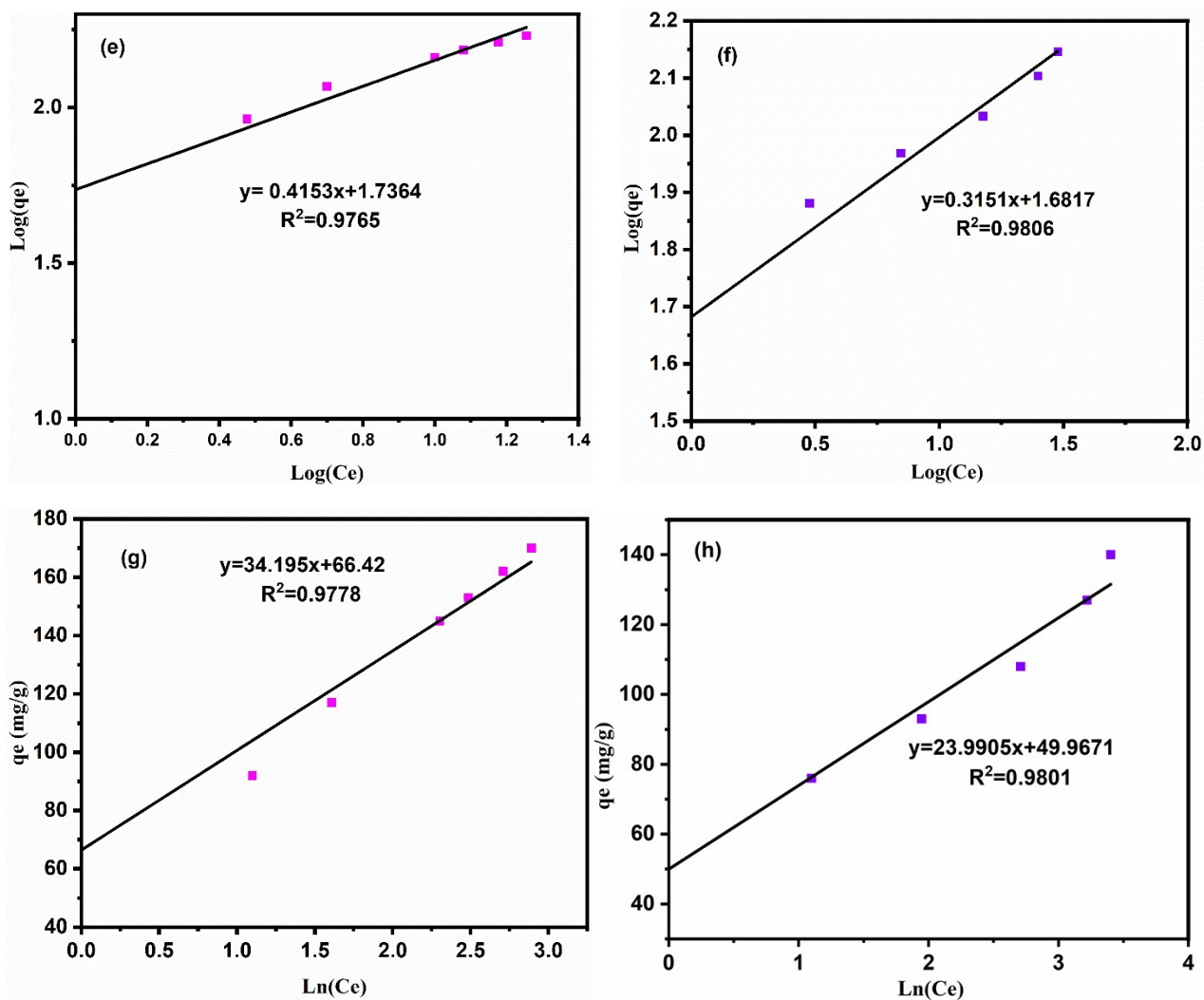


Fig.S1. Adsorption isotherms for dyes on $\text{SiW}_9\text{V}_3@\text{MIL-101}(\text{Cr})$ at different concentrations (a) MB, (b) RhB, (c) and (d) Langmuir adsorption isotherms, (e) and (f) Freundlich adsorption isotherms and (g) and (h) Temkin adsorption isotherms.

Supplementary information 2

Synthesis, characterization, and application of mixed-addenda silicovanadotungastate polyoxometalate integrated into nanoporous MIL-101(Cr) for the quick removal of organic dyes from water

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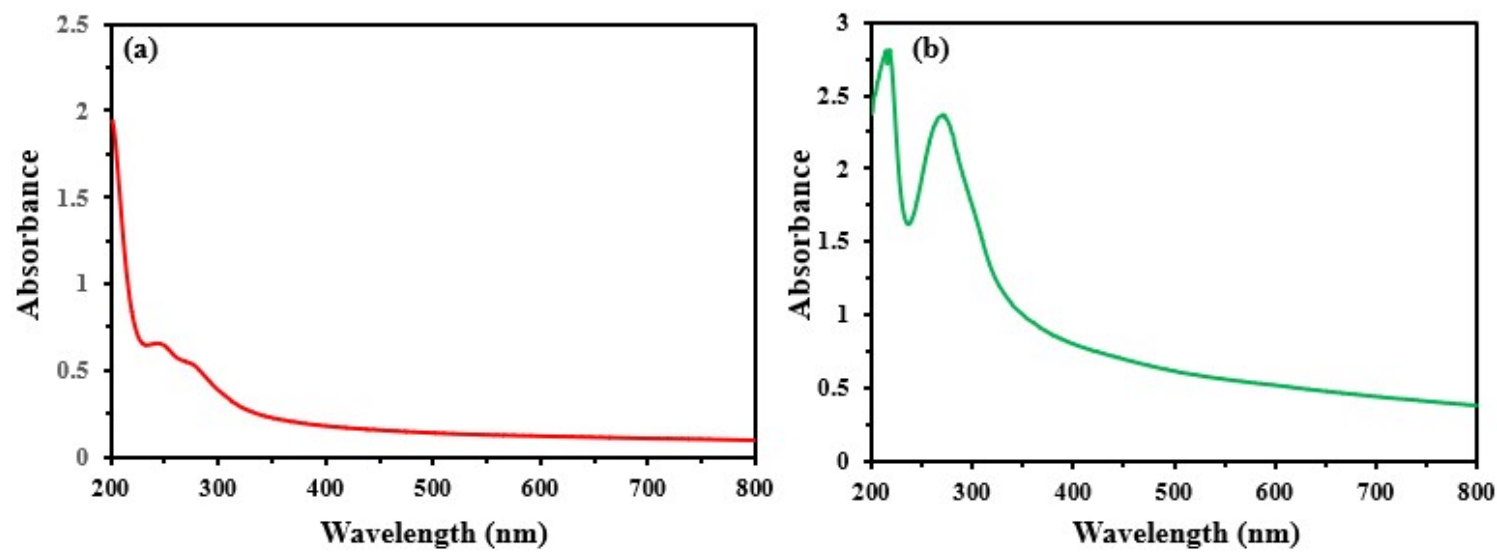


Fig.S1. UV-vis spectra of pure a) SiW_9V_3 and b) MIL-101(Cr)

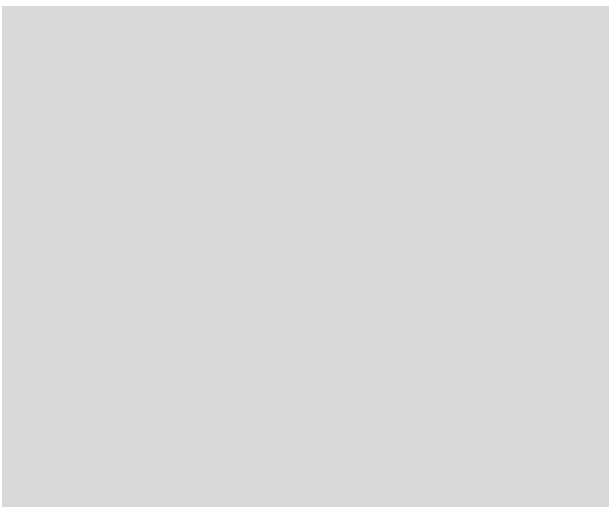
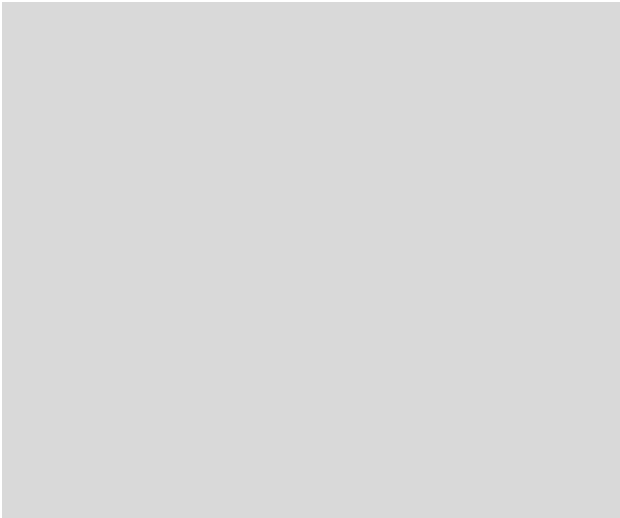
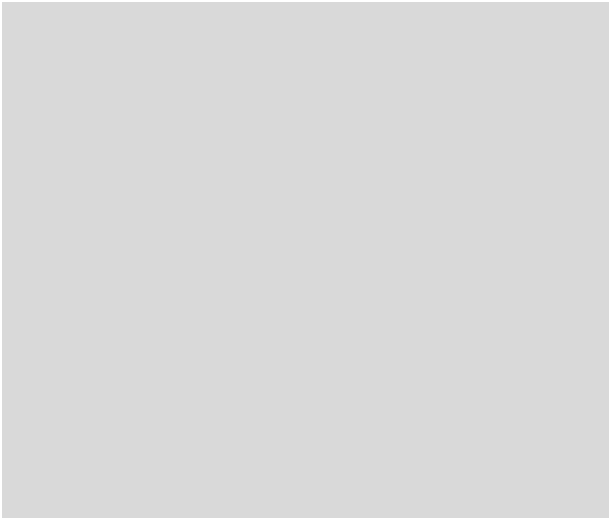




Fig.S2. Adsorption isotherms for dyes on $\text{SiW}_9\text{V}_3@\text{MIL-101}(\text{Cr})$ at different concentrations (a) MB, (b) RhB, (c) and (d) Langmuir adsorption isotherms, (e) and (f) Freundlich adsorption isotherms and (g) and (h) Temkin adsorption isotherms.