Fabrication of UiO-66/MIL-101(Fe) binary MOF/Carboxylated-GO composite for adsorptive removal of methylene blue dye from aqueous solutions

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Supplementary data

Table S1: $R_L$ values for the adsorption of MB dye onto UiO-66/MIL-101(Fe)-GO/COOH composite Based on the Langmuir model.

| $C_0$ (mg/L) | $R_L$ |
|--------------|-------|
| 50           | 0.11  |
| 100          | 0.06  |
| 150          | 0.04  |
| 200          | 0.03  |
| 300          | 0.02  |
Fig. S1. Adsorption isotherm model (A) Langmuir and (B) Freundlich for the adsorption of MB dye onto UiO-66/MIL-101(Fe)-GOOOH composite.
Fig. S2. Intra-particle diffusion model for adsorption of MB dye onto UiO-66/MIL-101(Fe)-GOCOOH composite.