

Electronic supporting information for:

**A kinetic and mechanistic study into the formation of the Cu-Cr
layered double hydroxide**

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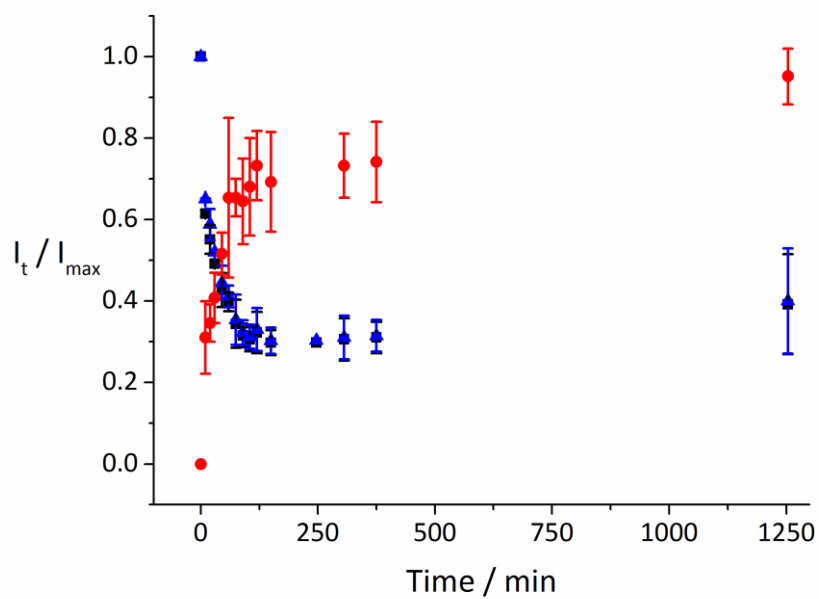


Figure S1: UV-visible spectroscopy data illustrating the change in metal concentrations in solution during the synthesis of $\text{Cu}_2\text{Cr-Cl}$. Changes in intensity of the $\text{Cr}^{3+} \ ^4\text{A}_{2g} \rightarrow \ ^4\text{T}_{1g}$ (415 nm; ■) and $\ ^4\text{A}_{2g} \rightarrow \ ^4\text{T}_{2g}$ transitions (580 nm; ▲) are shown, as is the $\text{Cu}^{2+} \ ^2\text{E}_g \rightarrow \ ^2\text{T}_{2g}$ transition at 810 nm (●). Data are shown as normalised intensity.