

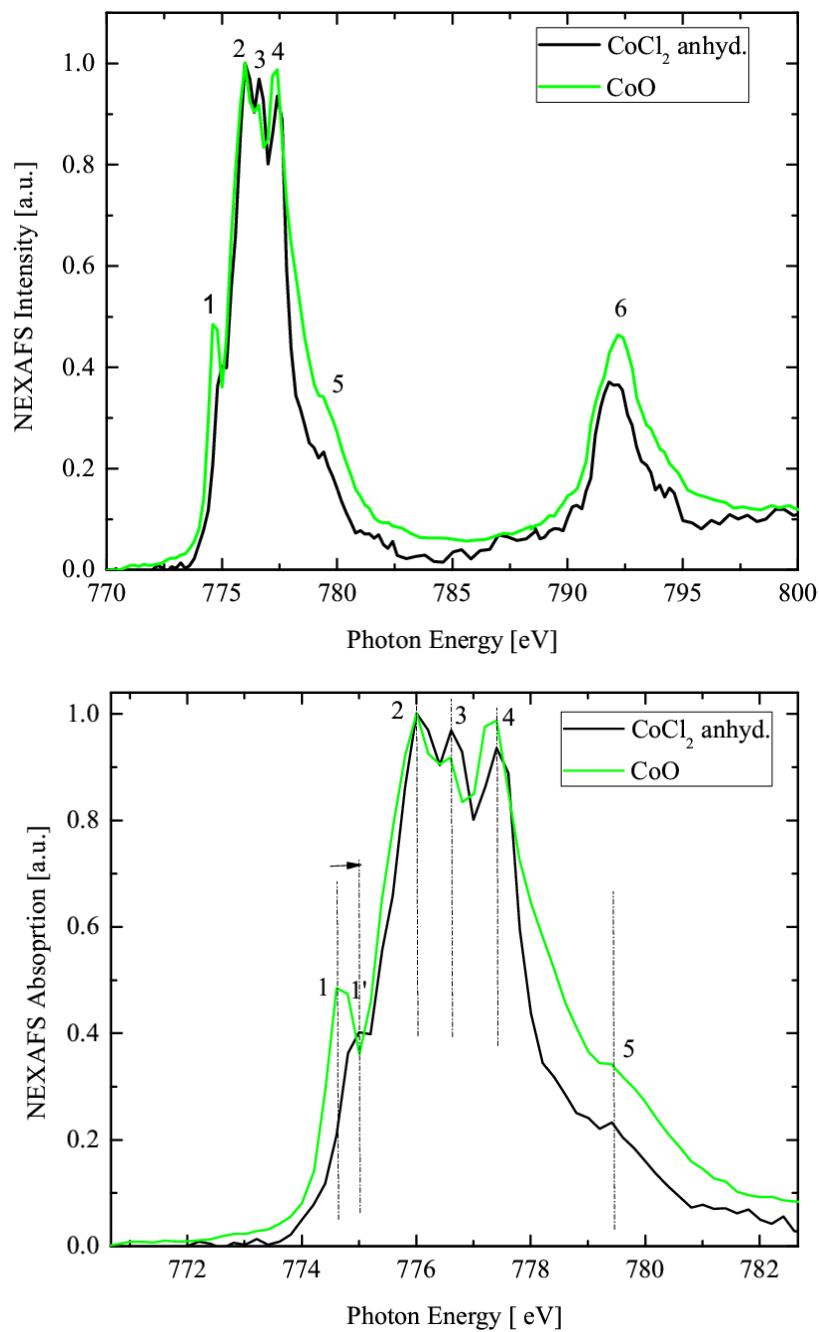


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**Supporting information for article:**

**Influence of crystal structure, ligand environment and morphology on Co *L*-edge XAS spectral characteristics in cobalt compounds**

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**Figure S1** (Top) Co<sub>2p</sub> XAS comparison between CoO and CoCl<sub>2</sub>. (Bottom) Magnification of L<sub>3</sub> edge of both the compounds for the interpretation of spectra.

**Table S1** Variation in the relative peak intensity ratio and branching ratio calculation for spectra of CoO and CoCl<sub>2</sub>.

<b>Sample</b>	<b>I(L<sub>3</sub>)</b>	<b>I(L<sub>2</sub>)</b>	<b>I(L<sub>3</sub>)/I(L<sub>2</sub>)</b>	<b>L<sub>3</sub>/L<sub>2</sub>+L<sub>3</sub> (branching ratio)</b>
CoO	1.00	0.463	2.15	0.683
CoCl <sub>2</sub>	1.00	0.3712	2.693	0.729