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## Catalytic properties of cobalt- and iron-containing hydrotalcite-like layered hydroxides in Knoevenagel condensation

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## **Abstract**

Catalytic activity of iron- and cobalt-containing hydrotalcite-like layered hydroxides in test reaction of condensation of benzaldehyde with malonodinitrile (Knoevenagel condensation) was investigated. The activity of layered hydroxides containing cations of transition metals was shown to be lower then the activity of the original hydrotalcite. Catalytic activity of layered hydroxides also depends on  $M^{2+}/M^{3+}$  ratio.

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