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## TiO<sub>2</sub> Promoted Co/SiO<sub>2</sub> Catalysts for Fischer-Tropsch Synthesis

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The addition of small amount of TiO<sub>2</sub> to silica supported cobalt catalysts significantly increased the dispersion of cobalt and Co metallic surface area, resulting in the remarkable enhancement of the Fisher-Tropsch synthesis (FTS) activity in the slurry-phase reaction. The addition of TiO<sub>2</sub> adjusted the interaction between cobalt and silica support quite well, to realize the favorite dispersion and reduction degree of supported cobalt at the same time, leading to high catalytic activity in FTS.

**Keywords:** [Fisher-Tropsch synthesis](#), [Cobalt catalyst](#), [Titania](#), [Silica](#), [Syngas](#)

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