

Toluene oxidation over Cu-Mn oxides supported on Al₂O₃ catalysts

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Copper-Manganise oxides supported on Al₂O₃ catalysts were prepared and used for toluene oxidation.

The mixed oxide catalysts exhibited a high activity with respect to the pure oxides, and catalytic conversion was compared on the ratios of Mn-Cu content and on the preparation method.

The catalysts were characterized by means of TPR, BET, XRD, XPS, TEM measurements.