

**ERRATUM***Catalysis Letters 5 (1990) 67–72***PARTIAL HYDROGENATION OF PHENYLACETYLENE  
ON COPPER-PROMOTED IRON CATALYST**

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Unfortunately both tables 1 and 2 were omitted in the original version.

Table 1

Hydrogenation of phenylacetylene <sup>a</sup> on various Fe-M/SiO<sub>2</sub> catalysts <sup>b</sup>

Added metal	$D_c^c$ (nm)	$R_0^d$ (mmol·min <sup>-1</sup> g <sup>-1</sup> )	$S_{50}^e$ (%)
—	16	$1.1 \times 10^{-2}$	95.7
Ni	12	$5.5 \times 10^{-2}$	95.1
Co	16	$1.2 \times 10^{-2}$	96.0
Cu	17	$4.9 \times 10^{-2}$	97.6
La	17	$1.0 \times 10^{-3}$	91.0 <sup>f</sup>
Mn	18	$2.1 \times 10^{-3}$	94.0
Mg	20	$2.7 \times 10^{-3}$	92.0
Zn	32	$1.1 \times 10^{-3}$	91.5 <sup>f</sup>

<sup>a</sup> Carried out in ethanol at 60 °C under 1 MPa of hydrogen.<sup>b</sup> Fe:M = 9:1 in atomic ratio.<sup>c</sup> Mean crystallite size of Fe measured by X-ray line broadening.<sup>d</sup> Initial reaction rate.<sup>e</sup> Selectivity in styrene at 50% conversion.<sup>f</sup> Measured at 20% conversion.

Table 2

Effects of reduction conditions on the properties of Fe-Cu(7:3)/SiO<sub>2</sub> catalyst

No.	Heating rate <sup>a</sup> (°C·min <sup>-1</sup> )	H <sub>2</sub> flow rate (l·h <sup>-1</sup> )	$D_c$ (nm)	$R_0$ (mmol·min <sup>-1</sup> g <sup>-1</sup> )	$S_{50}$ (%)
1	10	8	12	$1.9 \times 10^{-1}$	99.5
2	5	8	11	$3.1 \times 10^{-1}$	99.5
3	10	16	11	$2.9 \times 10^{-1}$	99.5
4	5	16	10	$3.7 \times 10^{-1}$	99.5
5 <sup>b</sup>	10	16	12	$2.0 \times 10^{-1}$	99.6

<sup>a</sup> Heated up to 500 °C and held as such for 1 h.<sup>b</sup> Reduced after heating at 300 °C for 1 h in a flow of nitrogen.