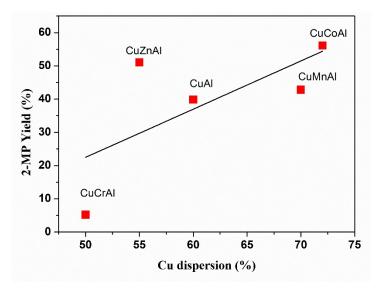
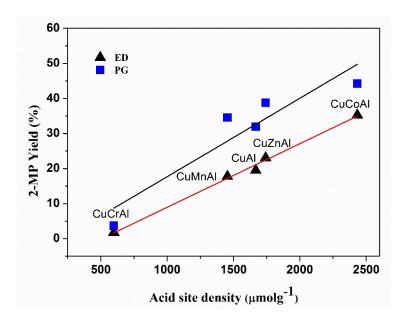
Supporting information

Table S1 Elemental analysis of Cu, M and Al by SEM-EDS.

	Theoretica	l value (%)		Actual val	Actual value (%)	
Sample	Cu (%)	M (%)	Al (%)	Cu (%)	M (%)	Al (%)
CuAl	35		30	43.4		24.5
CuCoAl	18	18	30	19.7	20.8	25.0
CuCrAl	18	18	30	34.5	20.9	23.3
CuMnAl	18	18	30	20.2	19.1	25.0
CuZnAl	18	18	30	24.1	18.7	27.6



Supplementary Figure 1a. 2-MP yield as a function of the Cu particle size for the reduced CuMAI catalysts. (Reaction conditions: 0.5 g of catalysts, temperature = 400 °C)



Supplementary Figure1b. Acidic site density versus 2-MP yield for the CuMAI catalysts.

(Reaction conditions: 0.5 g of catalysts, temperature = 360 °C)