Supplementary Material

Composites of Laponite and Cu–Mn Hopcalite-Related Mixed Oxides Prepared from Inverse Microemulsions as Catalysts for Total Oxidation of Toluene

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1. Energy Dispersive X-ray (EDX) Measurement

Table S1. EDX-determined atomic ratios of key active phase metal elements to Al in CuMnZrCeAl(im-NaOH)/CTA-L and CuMnZrCeAl(im-TBAOH)/CTA-L. The values obtained from XRF analysis are shown for comparison.

Sample		Cu/Mn	Cu/Zr	Cu/Ce	Cu/Al
CuMnZrCeAl(im-NaOH)/CTA-L	XRF	0.5	3.0	18.0	2.0
	EDS	0.4	4.7	15.1	2.6
		0.5	4.3	11.1	1.9
		0.4	1.3	19.7	1.9
		0.5	2.7	7.7	2.5
CuMnZrCeAl(im-TBAOH)/CTA-L	XRF	0.5	2.7	13.3	1.9
	EDS	0.5	5.2	11.5	1.8
		0.4	2.9	6.7	2.4
		0.5	1.6	11.2	2.5
		0.6	1.7	7.1	1.5

2. Temperature-Programmed Reduction

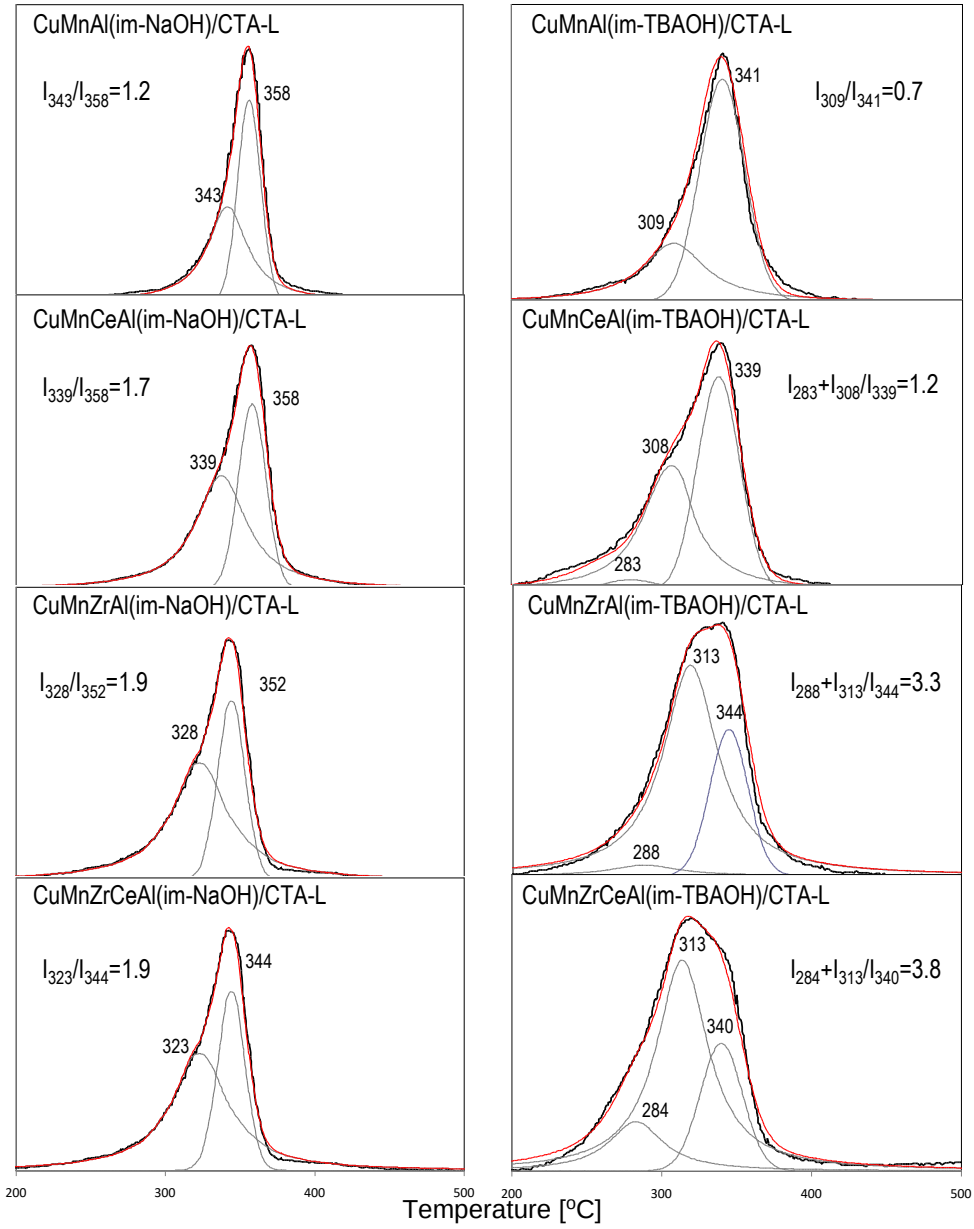

Figure S1. Deconvolution of TPR curves. Original trace: black; simulated: red; and deconvoluted components: grey. Temperatures of component maxima and the ratios of low-temperature to high-temperature effect intensities are given.