Electronic Supplementary Information (ESI)

Comparative study of 3D ordered macroporous Ce$_{0.75}$Zr$_{0.2}$M$_{0.05}$O$_{2-\delta}$ (M=Fe, Cu, Mn, Co) for selective catalytic reduction of NO with NH$_3$

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**Fig S1.** The synthesis route of CZO and CZMO catalysts.
**Fig S2.** Low (a) and high resolution (b) SEM images of the colloidal crystal array.
**Fig S3.** Low (a) and high resolution (b) SEM images of 3DOM CeZrO catalyst.
Fig S4. Energy Dispersive Spectrometer (EDS) of all 3DOM catalysts: (a) CeZrO, (b) CeZrFeO, (c) CeZrCuO, (d) CeZrMnO, and (e) CeZrCoO.