

Electronic supplementary information

Facile synthesis of air-stable dendritic copper nanostructures and their anti-oxidation properties

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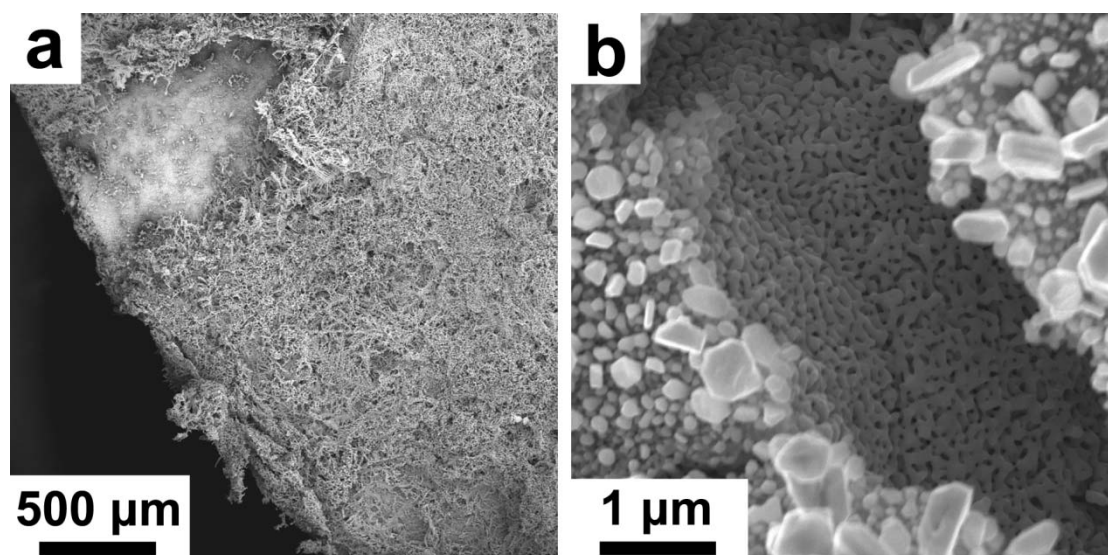


Fig. S1 SEM images of (a) the sample dealloyed for 2 days with part of the dendritic copper structure (DCS) scraped off and (b) the enlarged image of the exposed nanoporous substrate.

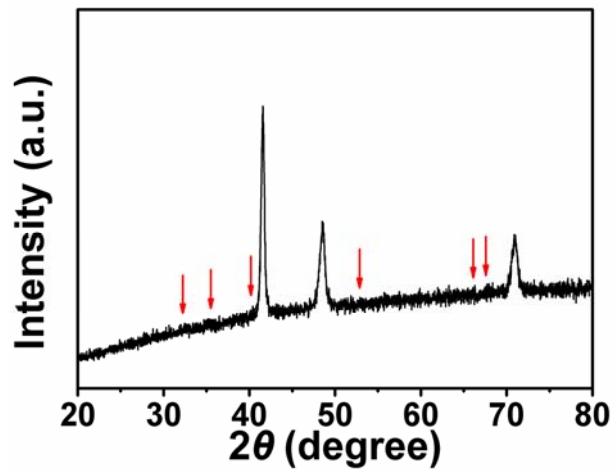


Fig. S2 XRD spectra of the as-prepared Cu-Mn-O alloy with scanning rate of 3 degrees per min.

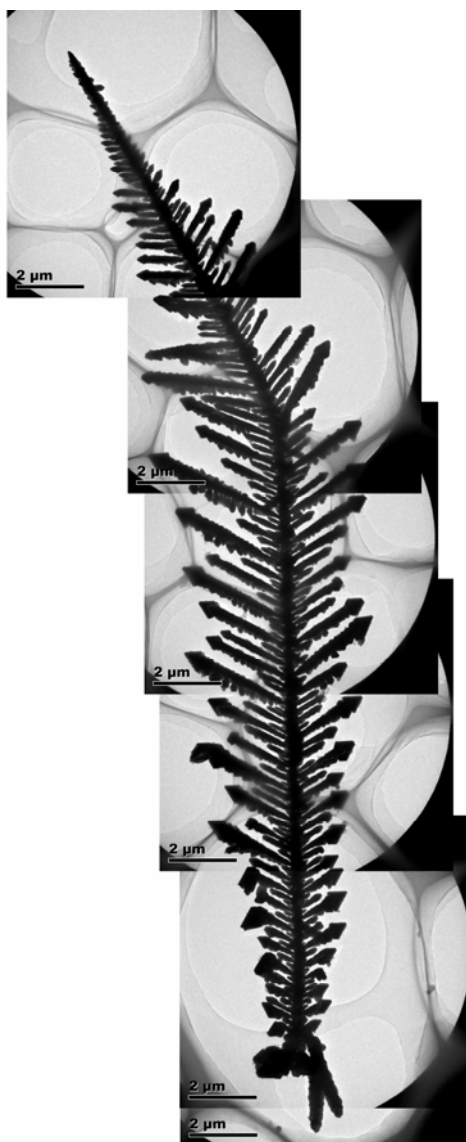


Fig. S3 The TEM bright field image of a DCS.

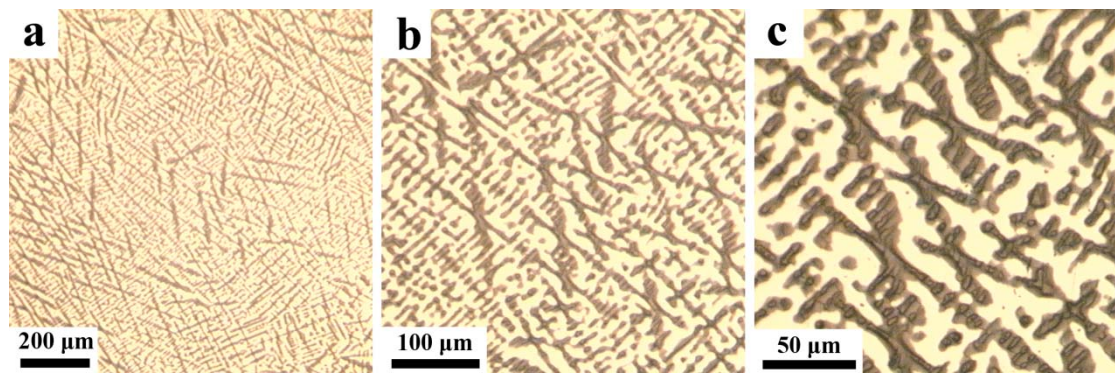


Fig. S4 Optical images of the polished Cu-Mn-O ingot section after nital etching.

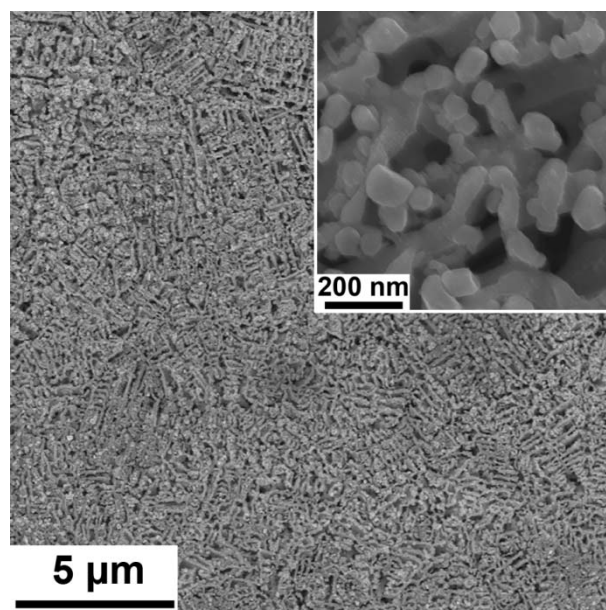


Fig. S5 SEM image of Cu-Mn sample after dealloying in 0.5 M hydrochloric acid for 2 h with its enlarged image in the inset.