

Supporting information

Effect of Acid-leaching on Carbon-supported Copper Phthalocyanine Tetrasulfonic Acid Tetrasodium Salt (CuTSPc/C) for Oxygen Reduction Reaction in Alkaline Electrolyte: the active site studies

Qing Zhang, Taishan Zhu, Xin Qing, Jinli Qiao, Shuhui Sun

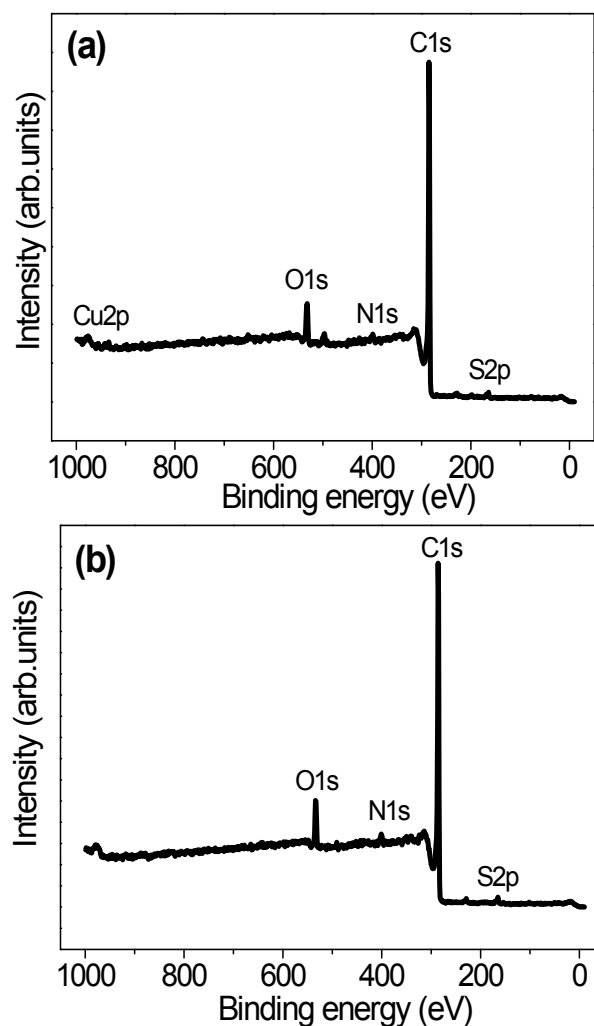


Figure S1. XPS spectra of full-spectrum for (a) (CuTSPc/C)₇₀₀ and (b) (CuTSPc/C)₇₀₀AL.

Figure S1 shows the full-spectrum XPS analysis. The emissions from C1s, N1s, O1s and S2p levels that constitute the molecules for both (CuTSPc/C)₇₀₀ and (CuTSPc/C)₇₀₀AL were clearly observed. The element of Cu that constitutes the molecules of (CuTSPc/C)₇₀₀ was also clearly identified (see Fig. S1a). However, the peaks of Cu2p were not found after acid-leaching, and the content of Cu is too small to be detected.