Electronic Supplementary Material (ESI) for RSC Advances.

Supporting information

Evaluation of mixed transition metal (Co, Mn, and Cu) oxides electrocatalysts anchored on different carbon supports for robust oxygen reduction reaction in neutral media

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Number of figures: 5

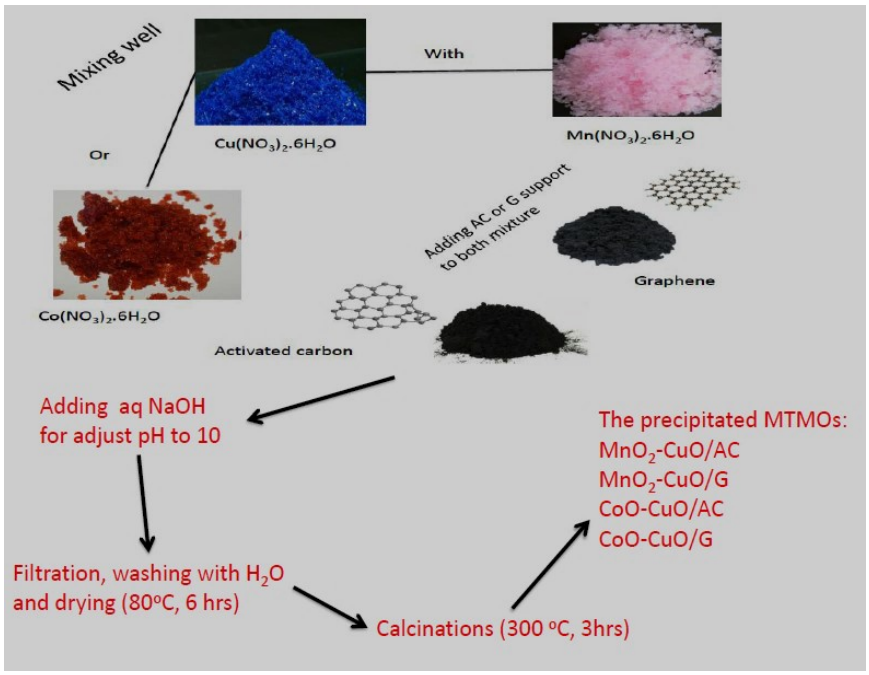
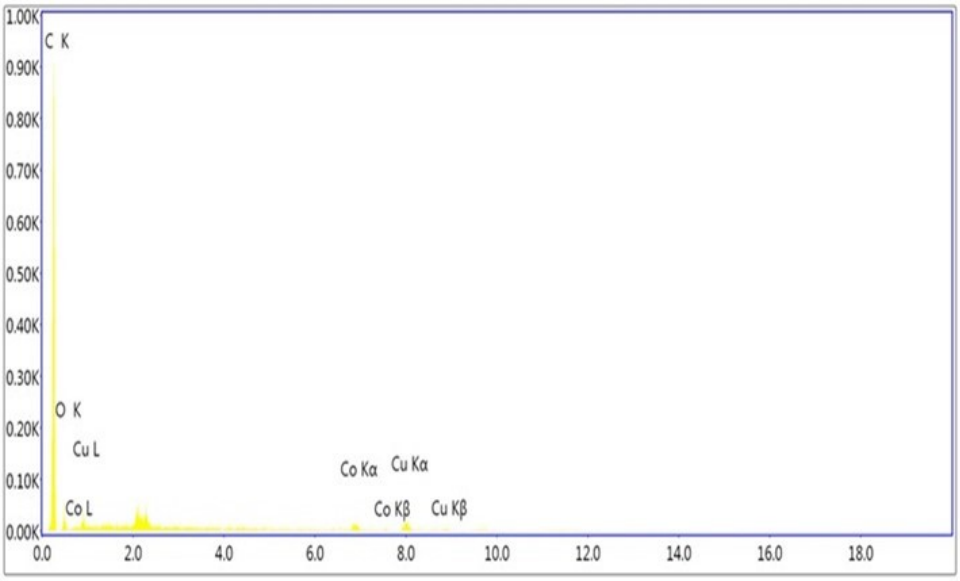


Figure S1. Synthesis of MTMOs electrocatalysts by precipitation of metal salts precursors.

a



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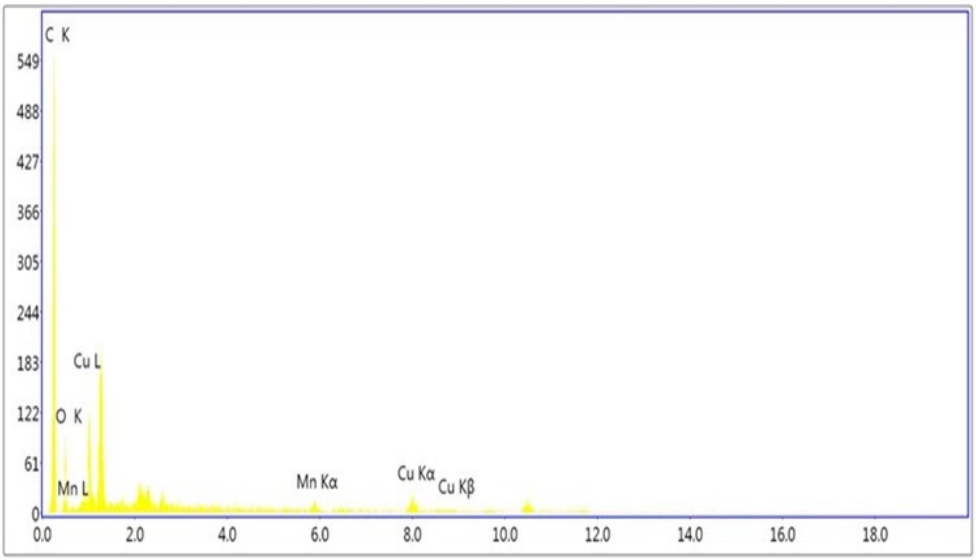
b



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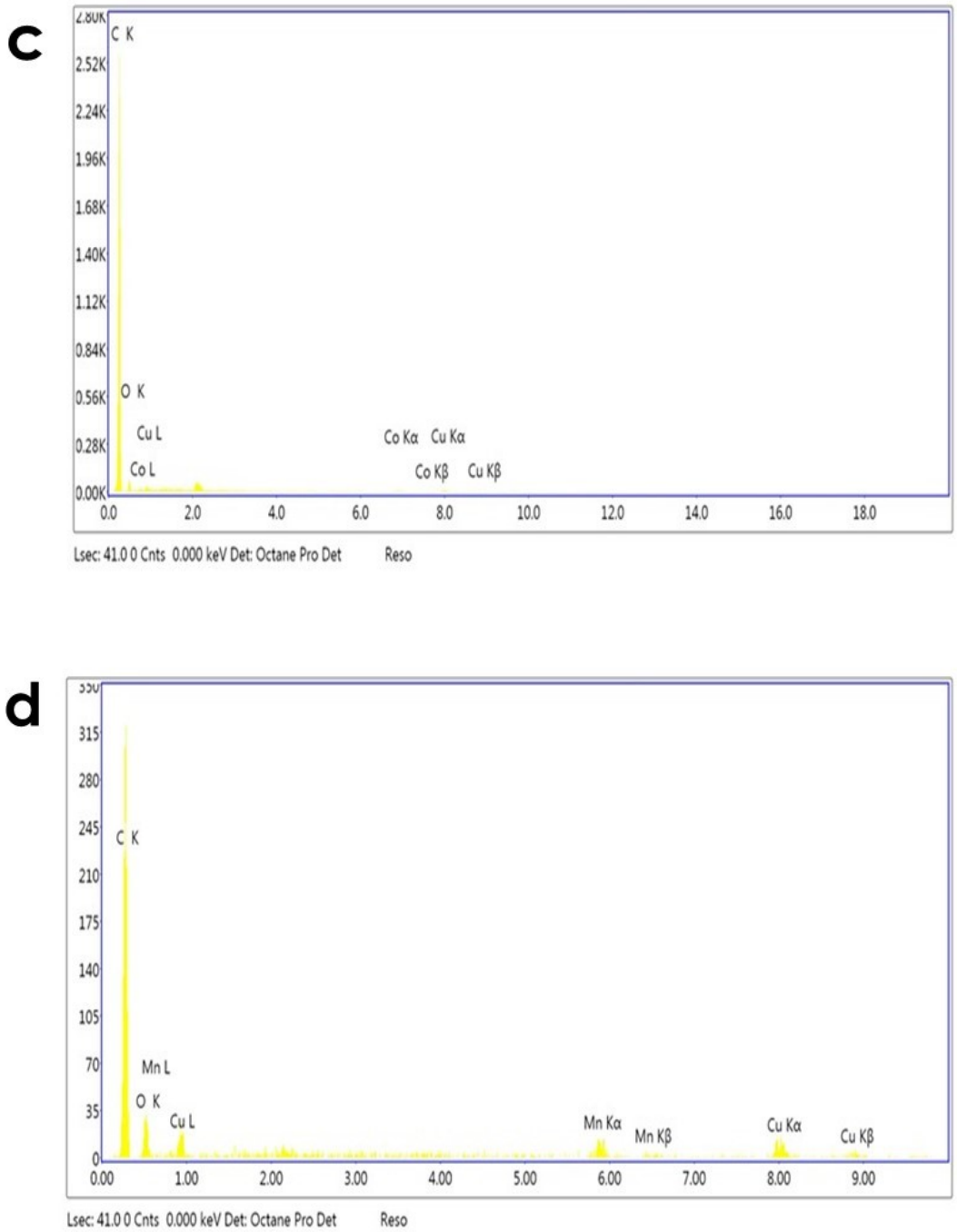

Figure S2. EDX spectra of (a) CoO-CuO/AC, (b) MnO_2-CuO/AC, (c) CoO-CuO/G, (d) MnO2-CuO/G.

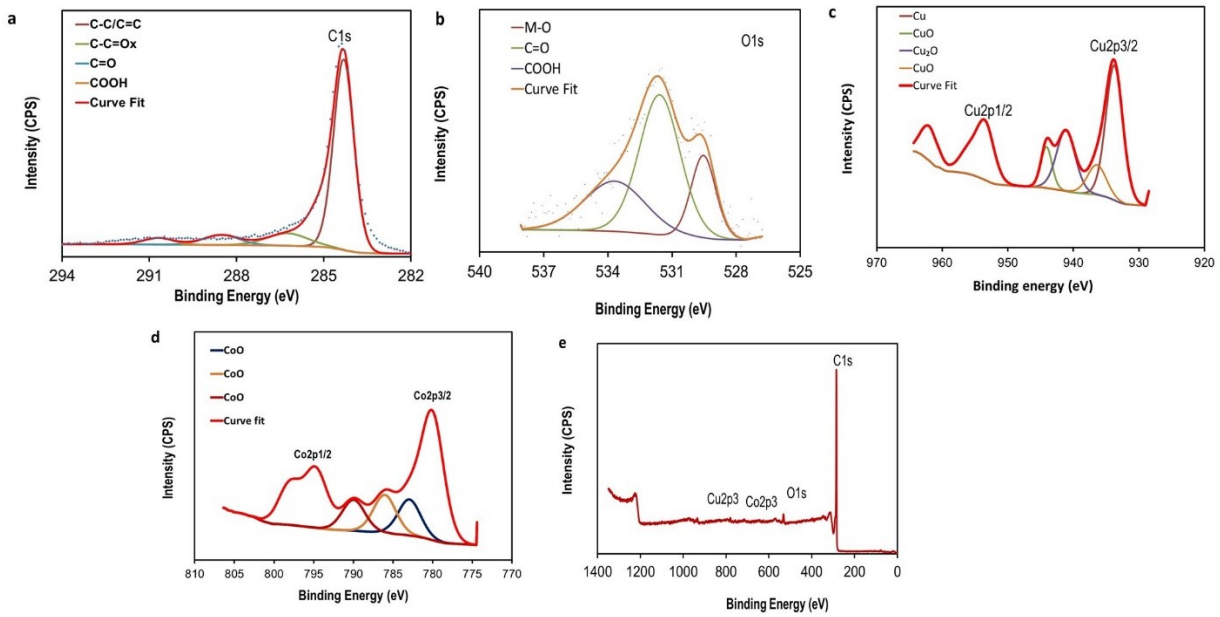

Figure S3. High-resolution XPS spectra of CoO-CuO/AC for (a) C 1s, (b) O 1s, (c) Cu 2p, and (a) (d) Mn 2p. (e) The XPS survey spectrum.

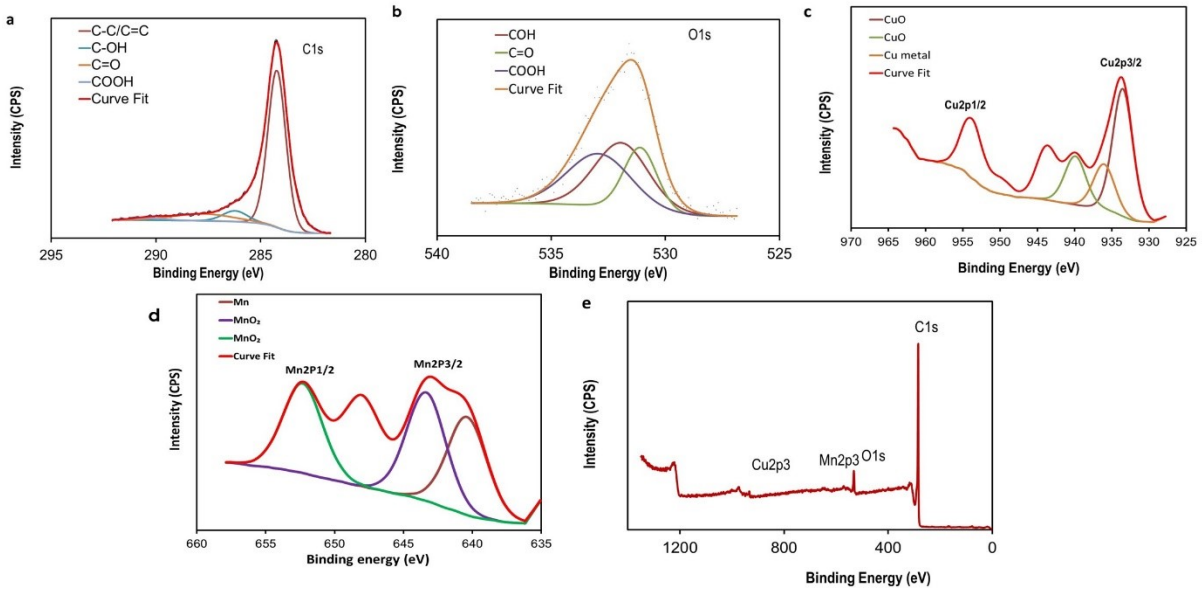

Figure S4. High-resolution XPS spectra of MnO_2-CuO/G for (a) C 1s, (b) O 1s, (c) Cu 2p, and (a) (d) Mn 2p. (e) The XPS survey spectrum.

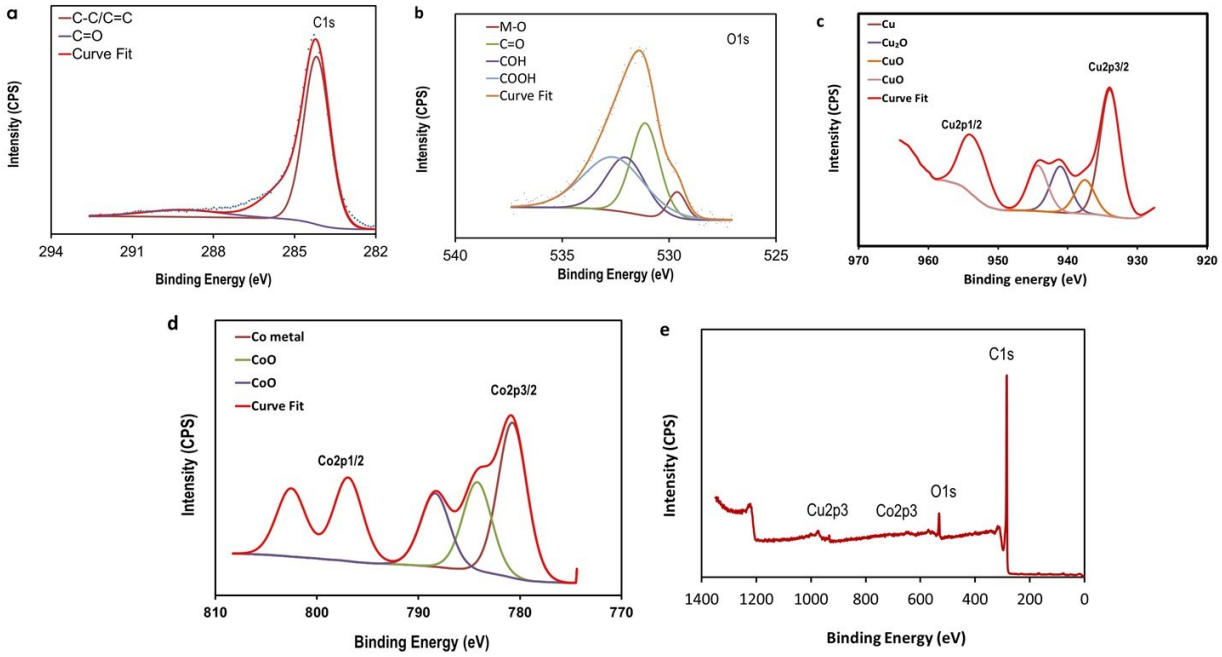

Figure S5. High-resolution XPS spectra of CoO-CuO/G for (a) C 1s, (b) O 1s, (c) Cu 2p, and (a) (d) Co 2p. (e) The XPS survey spectrum.