## Chemical Science



## CORRECTION

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Cite this: Chem. Sci., 2021, 12, 12847

## Correction: Suppressing carboxylate nucleophilicity with inorganic salts enables selective electrocarboxylation without sacrificial anodes

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DOI: 10.1039/d1sc90196f

rsc.li/chemical-science

Correction for 'Suppressing carboxylate nucleophilicity with inorganic salts enables selective electrocarboxylation without sacrificial anodes' by Nathan Corbin et al., Chem. Sci., 2021, DOI: 10.1039/D1SC02413B.

We regret that there was a minor error in the structure of the benzyl chloride in Scheme 2, Fig. 2 and the ESI. The structure of the benzyl chloride should be 4-methyl benzyl chloride but was instead given as 3-methyl benzyl. The correct figure and scheme are shown below, and the ESI has been updated.

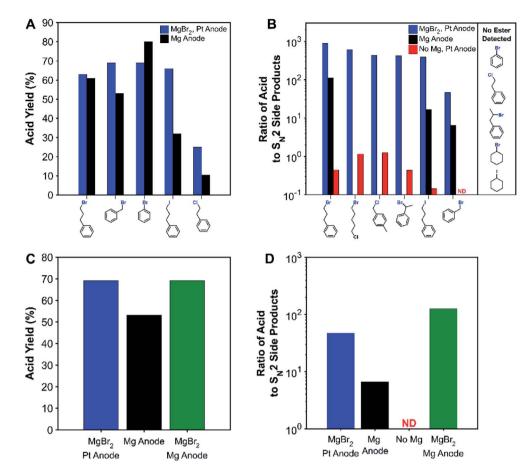


Fig. 2 (A) Comparison of acid yields for non-sacrificial-anode and sacrificial-anode carboxylation of various substrates. (B) Ratio of carboxylic acid to nucleophilic side products (ester + carbonate + alcohol) for various systems and substrates. Effect of adding  $MgBr_2$  to the sacrificialanode system on the (C) acid yield and (D) ratio of acid to  $S_N = 1$  side products for benzyl bromide. Acid yields are tabulated in Table S6.† ND: acid not detected (acid-to- $S_N2$  ratio <0.1).

Correction

R-X R-COOH

Scheme 2 Substrate scope for the sacrificial-anode-free electrochemical carboxylation of organic halides. <sup>a</sup>Standard reaction conditions: 100 mM electrolyte, 100 mM substrate, 100 mM MgBr<sub>2</sub>, silver cathode, platinum anode, 20 sccm CO<sub>2</sub>, 2.2 mL DMF, -20 mA cm<sup>-2</sup> for 3.5 h. TBA-Br was used for chlorinated substrates because bromide oxidizes more readily than chloride, and only a small amount of chloride was replaced by bromide (<1% for the alkyl chloride,  $\sim$ 4% for the benzylic chloride). Yields are referenced to the initial amount of substrate and were calculated from <sup>1</sup>H NMR spectroscopy using either 1,3,5-trimethoxybenzene or ethylene carbonate as internal standards. <sup>b</sup>-15 mA cm<sup>-2</sup> instead of -20 mA cm<sup>-2</sup>. <sup>c</sup>150 mM MgBr<sub>2</sub> instead of 100 mM MgBr<sub>2</sub>.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.