

## CORRECTION

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

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[rsc.li/chemical-science](https://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.



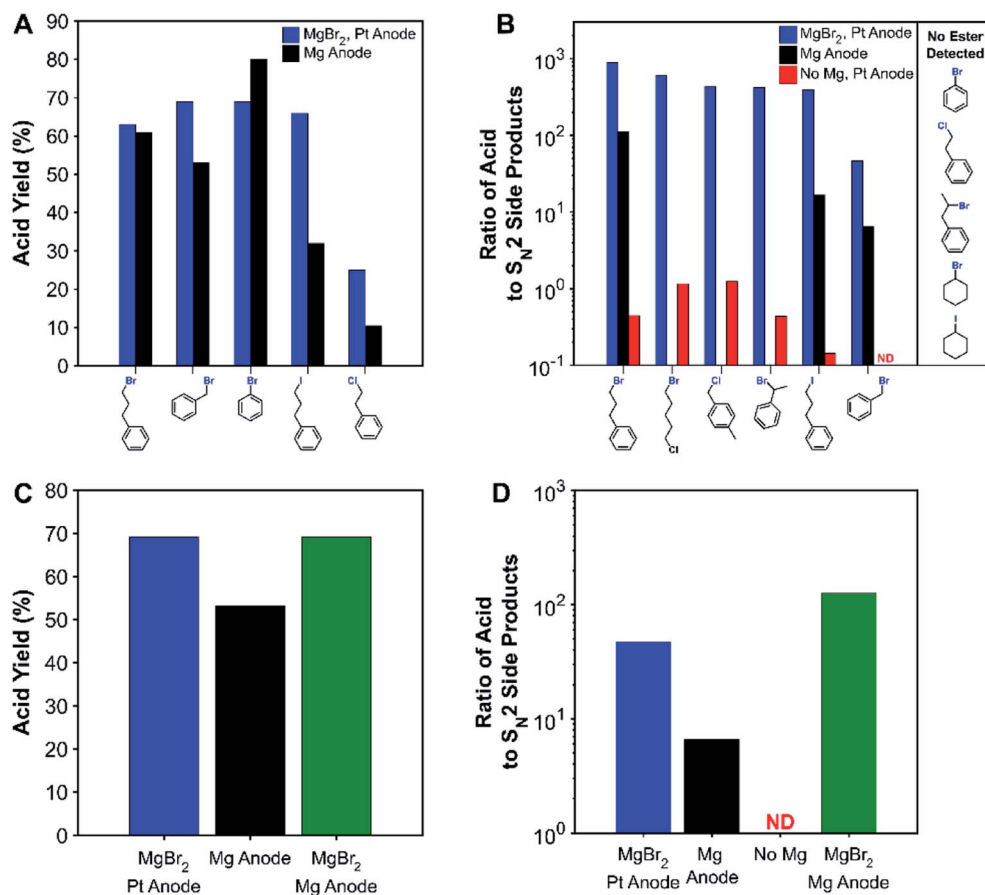
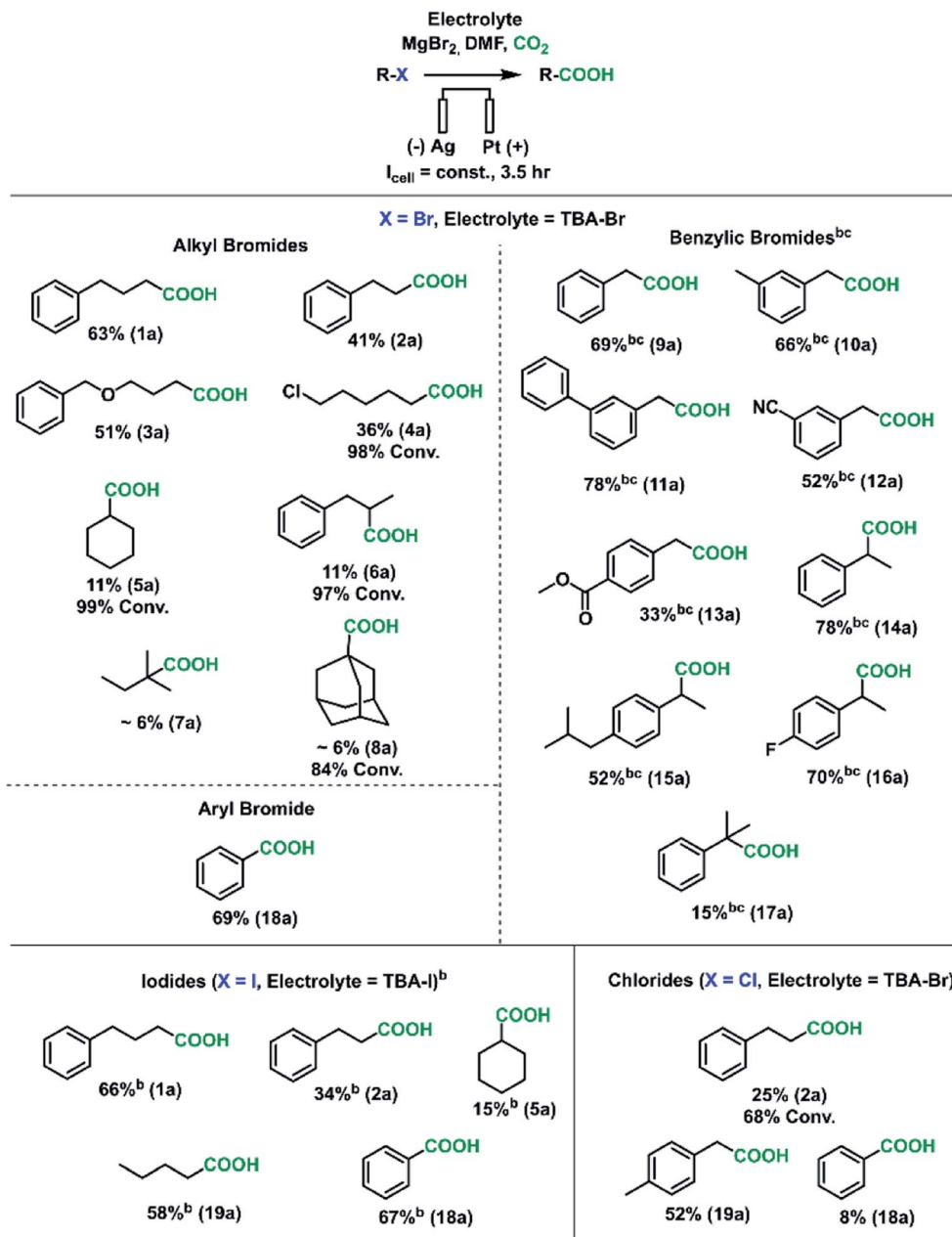


Fig. 2 (A) Comparison of acid yields for non-sacrificial-anode and sacrificial-anode carboxylation of various substrates. (B) Ratio of carboxylic acid to nucleophilic side products (ester + carbonate + alcohol) for various systems and substrates. Effect of adding MgBr<sub>2</sub> to the sacrificial-anode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





**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  $\text{MgBr}_2$ , silver cathode, platinum anode, 20 sccm  $\text{CO}_2$ , 2.2 mL DMF,  $-20 \text{ mA cm}^{-2}$  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, ~4% for the benzylic chloride). Yields are referenced to the initial amount of substrate and were calculated from  $^1\text{H}$  NMR spectroscopy using either 1,3,5-trimethoxybenzene or ethylene carbonate as internal standards. <sup>b</sup> $-15 \text{ mA cm}^{-2}$  instead of  $-20 \text{ mA cm}^{-2}$ . <sup>c</sup>150 mM  $\text{MgBr}_2$  instead of 100 mM  $\text{MgBr}_2$ .

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

