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Diamond Decorated with Copper Nanoparticles for Electrochemical Reduction of Carbon Dioxide

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Supporting Information

The potential window of boron-doped diamond in different solvents (Figure S1) and the linear sweep voltammograms for CO₂ reduction on diamond in aqueous solutions at different scan rates (Figure S2) are shown.

Figure S1. Linear sweep voltammograms of a planar diamond electrode in 0.5 M LiClO₄ solution (a), 0.1 M TBABF₆/acetonitrile solution (b), and 1-Butyl-3-methylimidazolium hexafluorophosphate (BMIM-PF₆) (c) at a scan rate of 0.1 V s⁻¹.

Figure S2. Linear sweep voltammograms of CO₂ reduction in 0.5 M LiClO₄ solution on a planar diamond electrode at different scan rates.