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The authors regret that there was an error in the equation of the calibration curve of PPL/PDMS in Fig. 3. The correct version is shown below.

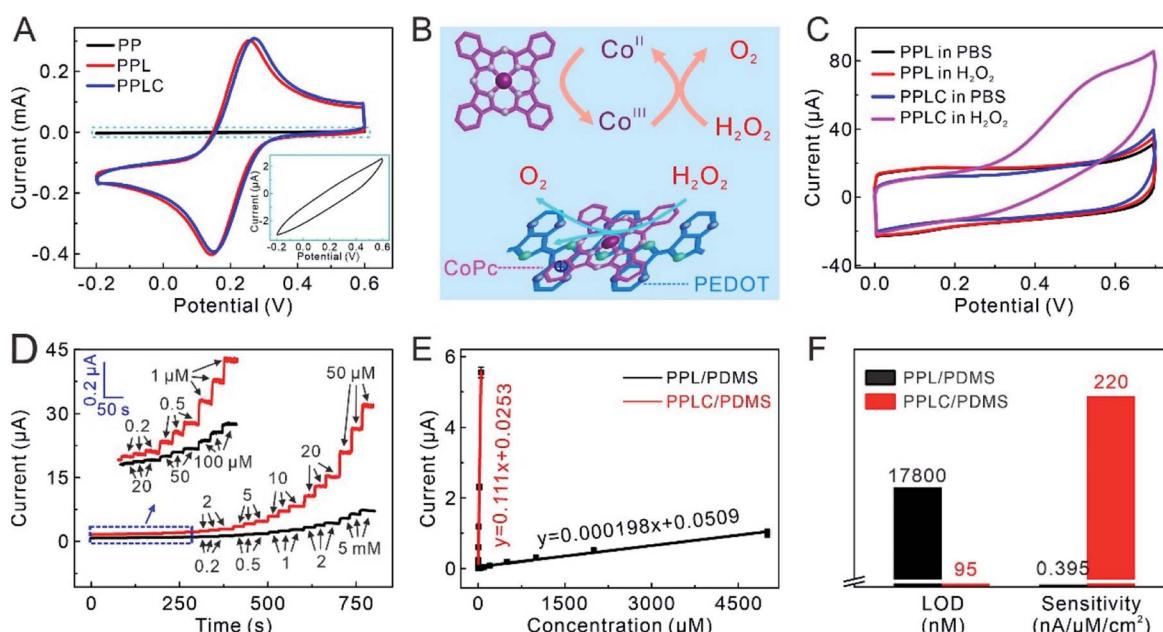


Fig. 3 (A) CVs of different electrodes obtained in 10 mM  $K_3[Fe(CN)_6]$ . Inset: the enlarged view for CV of the PP electrode. (B) Schematic illustration of the electrocatalysis mechanism. (C) CVs of different electrodes with and without 1 mM  $H_2O_2$ . (D) Amperometric responses of PPL/PDMS (black lines) and PPLC/PDMS (red lines) electrodes to  $H_2O_2$  at a potential of +0.55 V (vs. Ag/AgCl) to increasing  $H_2O_2$  concentrations. Inset: the enlargements of amperometric responses framed in blue. (E) Calibration curves of PPL/PDMS and PPLC/PDMS electrodes to increasing  $H_2O_2$  concentrations (data presented as mean  $\pm$  standard error,  $n = 3$ ). (F) Calculated LOD and sensitivity of PPL/PDMS and PPLC/PDMS electrodes to  $H_2O_2$ .

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

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