materials

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Supplementary

Low-Temperature CVD Graphene Nanostructures on Cu and their Corrosion Properties

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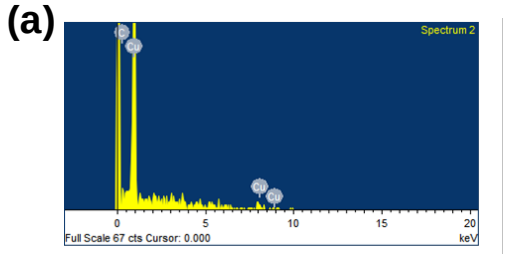
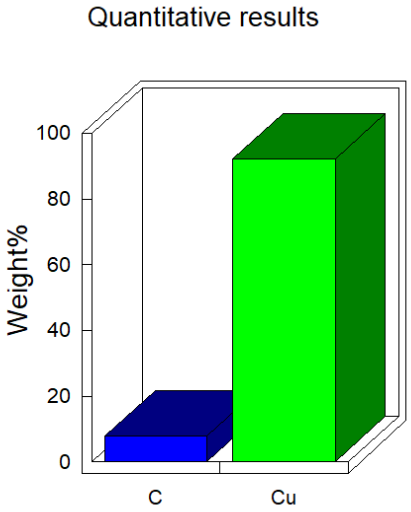
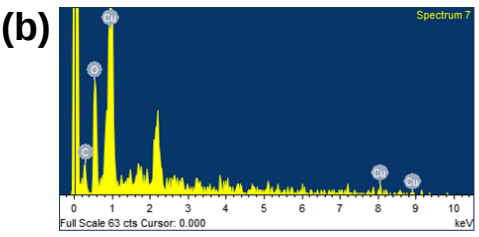


Element	Weight %	Atomic %
C K	7.79	30.89
Cu L	92.21	69.11
Total	100.00	100.00





Element	Weight %	Atomic %
C K	7.79	23.45
O K	14.24	32.18
Cu L	77.97	44.38
Total	100.00	100.00

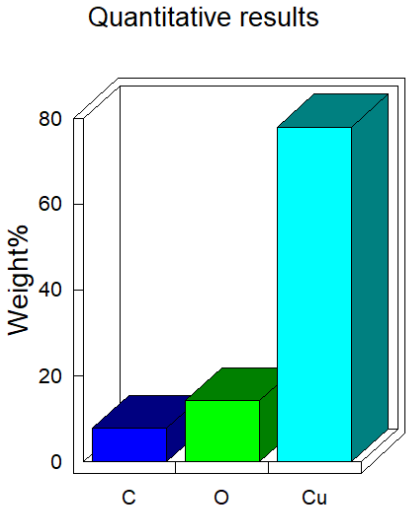


Figure S1. Energy-dispersive x-ray spectroscopy (EDS) spectra of CVD graphene (C_2H_2, 600 °C, 5 min) coatings on Cu (**a**) before and (**b**) after the electrochemical corrosion experiments with a total of 30 scans.

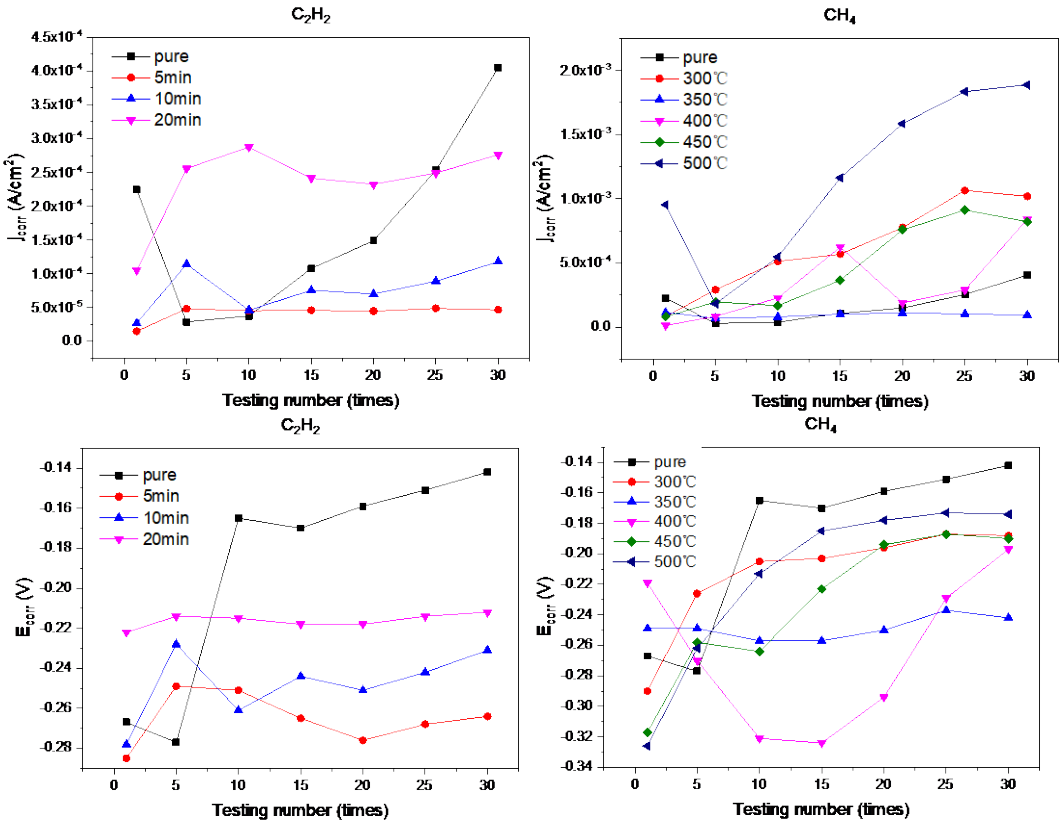


Figure S2. Time-dependent J_{corr} and E_{corr} in these samples.