

In Situ Grown Vertically Oriented Graphene Coating on Copper by Plasma-Enhanced CVD to Form Superhydrophobic Surface and Effectively Protect Corrosion

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Table S1. Corrosion parameters obtained from PDS measurements for the Cu, GS-Cu and VFG-Cu.

Sample	j_{corr} (A/cm ²)	E_{corr} (V)	v_{corr} (mm/year)
Cu	6.09×10^{-6}	-0.289	7.57×10^{-2}
GS-Cu	7.09×10^{-7}	-0.209	8.21×10^{-3}
VFG-Cu	7.90×10^{-8}	-0.125	9.14×10^{-4}

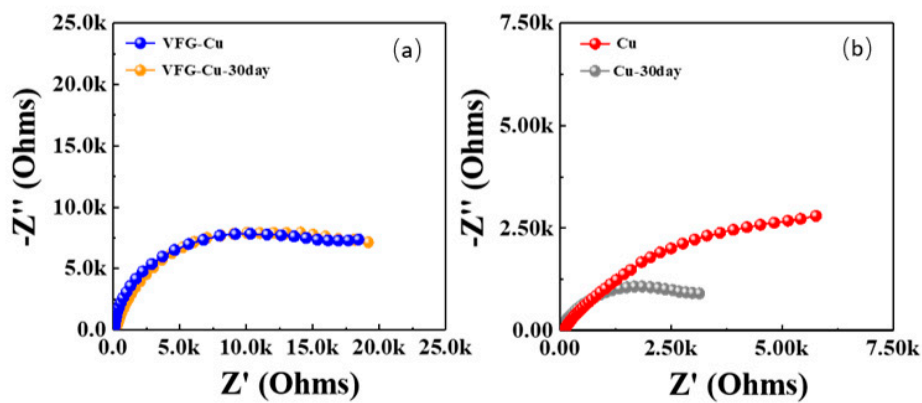


Figure S1. Nyquist plots for (a) VFG-Cu and (b) Cu after exposure to 3.5% NaCl solution for 1 month.