

Supplementary Information for

Tailoring Capacitance of 3D-Printed Graphene Electrodes by Carbonisation Temperature

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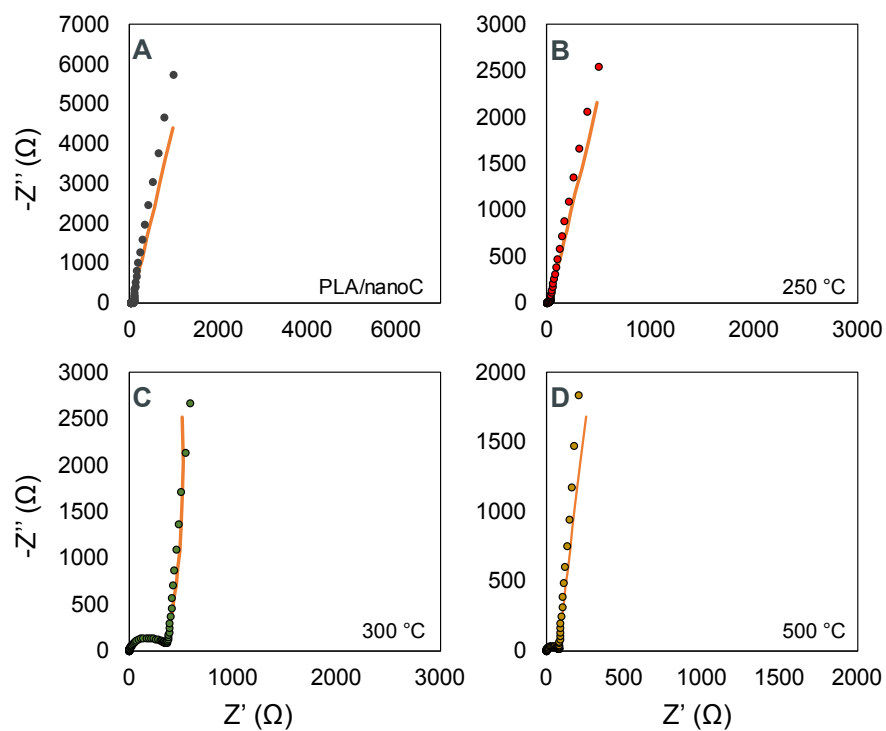


Figure S1 Nyquist plots of the 3D printed electrodes as printed and after carbonisation at different temperatures, (dotted line) experimental data and (orange line) fitted data. Conditions: bias potential: 0 V; frequency range: 1 MHz to 10 mHz; AC amplitude: 10 mV; electrolyte: 6 M KOH.

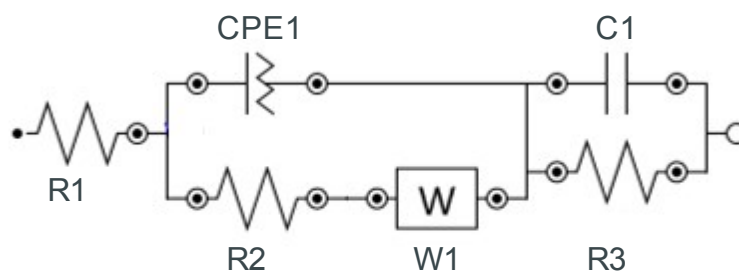


Figure S2 Equivalent circuit used for fitting of EIS measurements.

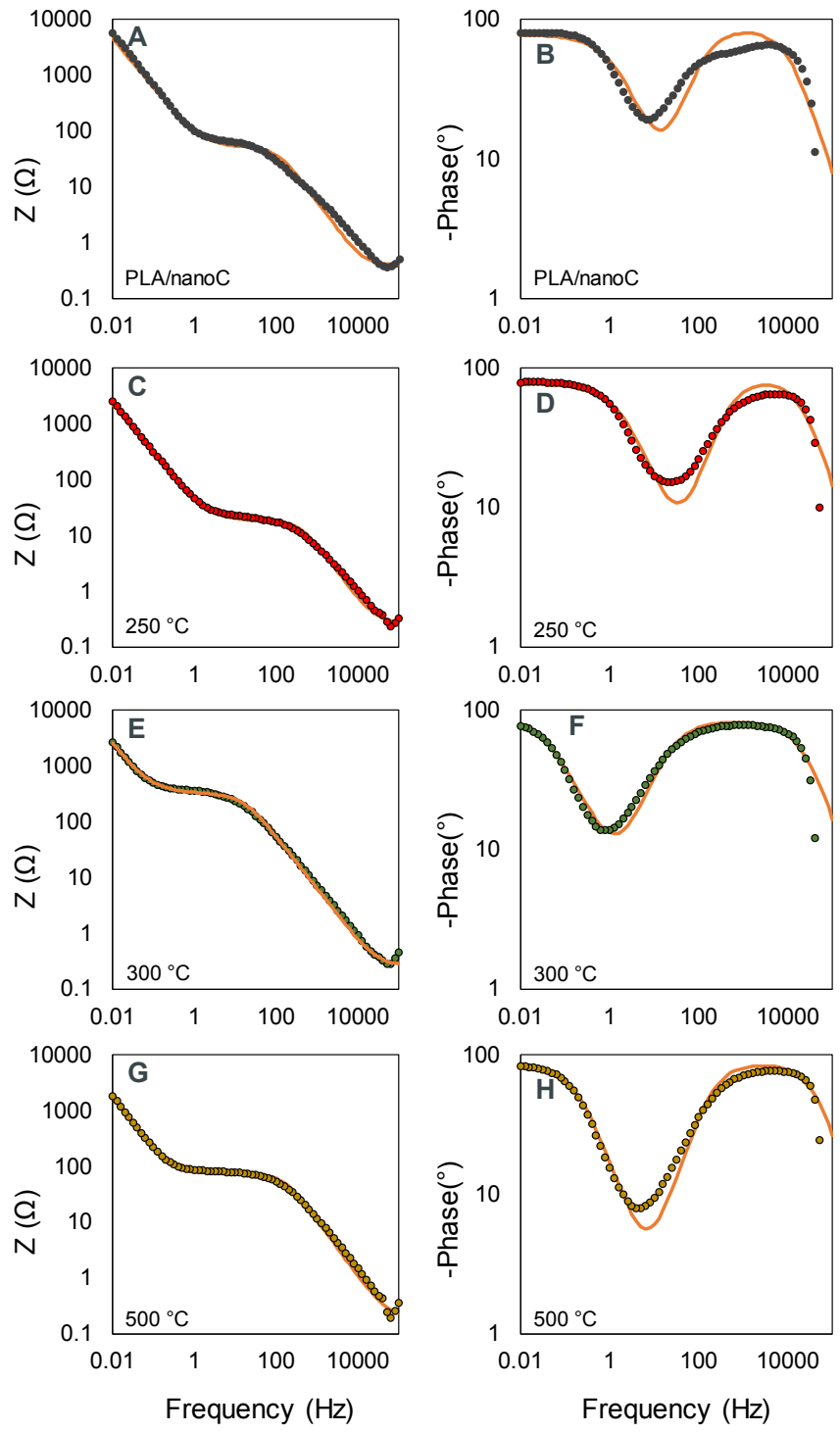


Figure S3 Bode plots of the 3D printed electrodes as printed and after carbonisation at different temperatures.

Table S1 Values of the parameters obtained after fitting the EIS of the tested electrodes.

Electrodes	R1 (Ω)	f₀ (Hz)	τ_0 (s)
As-printed	0.395	1.00	1.0
250 °C	0.270	1.26	0.8
300 °C	0.264	0.06	15.8
500 °C	0.213	0.25	4.0