

Electrode	$C_{dl}^a / \mu F$	GSA / cm^2	RSA / cm^2	Roughness factor	C_{SA}^b (GSA) / $\mu F cm^{-2}$	C_{SA}^b (RSA) / $\mu F cm^{-2}$
GC-GDY	8.9	0.0314	0.68	21.8	987	45.60
GC-GDY-PpCANI	7.3	0.0314	0.56	17.9	1760	98.60
GC-PpCANI	0.49	0.0314	0.037	1.2	51.60	43.80
GC	0.55	0.0314	0.0423	1.3	-	-

GSA: Geometric surface area

RSA: Real surface area

a. Values obtained from impedance measurements (Figure 5).

b. Values obtained from cyclic voltammetry (Figure 4A).