Supporting Information

Three-Dimensional Graphene Nanosheets as Cathode Catalysts in Standard and Supercapacitive Microbial Fuel Cell

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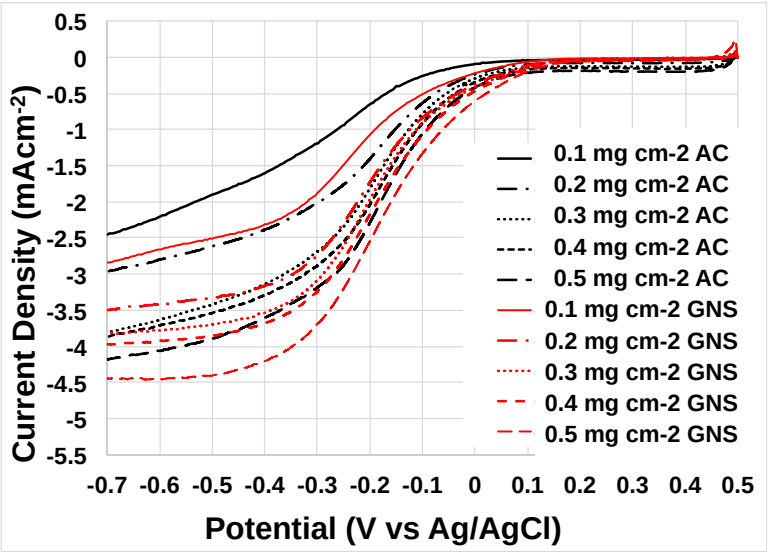

Figure S1. Disk current produced by AC (black) and 3D-GNS (red) in O_2 saturated PBS 0.1 M at a rotation rate of 1600 rpm. Loadings of 0.1, 0.2, 0.3, 0.4 and 0.5 mg cm-2 were tested.

Table 1. Half wave potential for AC and 3D-GNS catalyst at loading of 0.1, 0.2, 0.3, 0.4 and 0.5 mg cm^{-2}.

catalyst loading (mg cm^{-2})	$E_{1/2}$	
	AC	3D-GNS
	V (vs Ag/AgCl)	
0.1	-0.30	-0.26
0.2	-0.35	-0.22
0.3	-0.22	-0.20
0.4	-0.21	-0.19
0.5	-0.20	-0.16

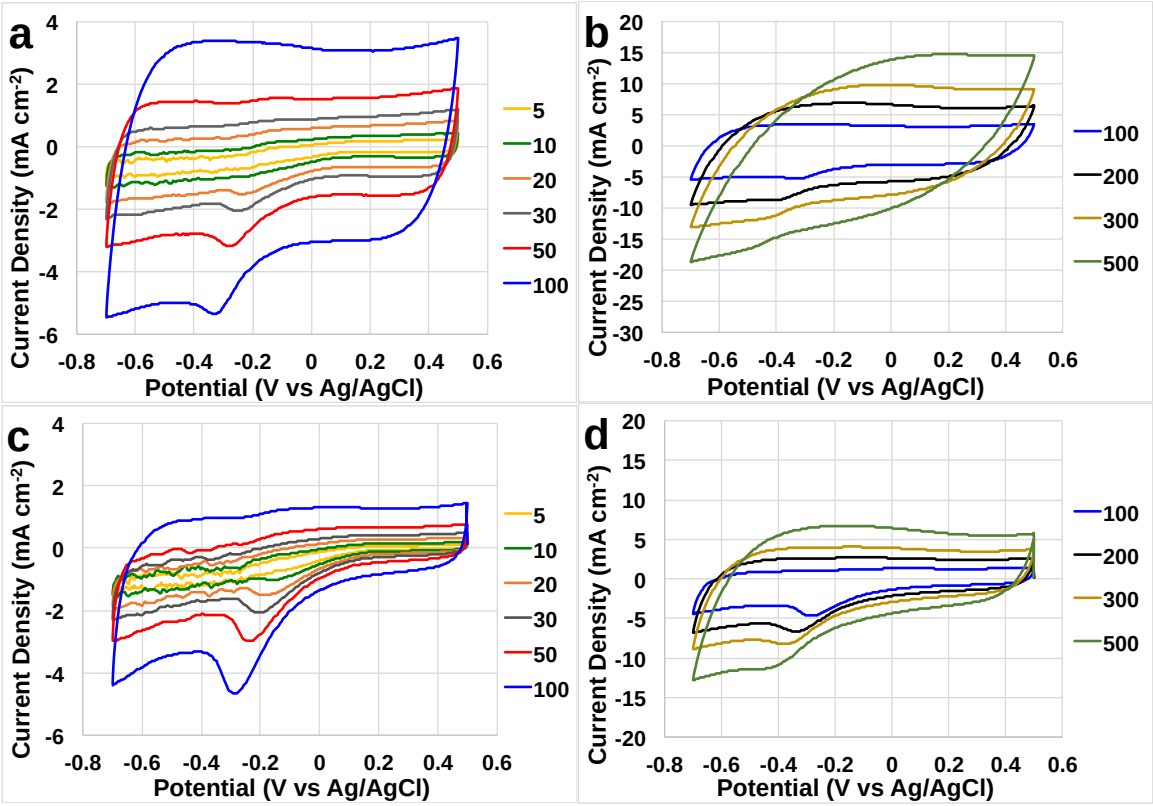

Figure S2. CVs from 0.5 V (vs Ag/AgCl) to -0.7 V (vs Ag/AgCl) at different scan rate for AC (a and b) and 3D-GNS (c and d).