Electronic Supplementary Material (ESI) for RSC Sustainability.

Supporting Information

Novel polymeric cobalt tetrabenzimidazole phthalocyanine for nanomolar detection of Hydrogen peroxide

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Electronic Supplementary Information

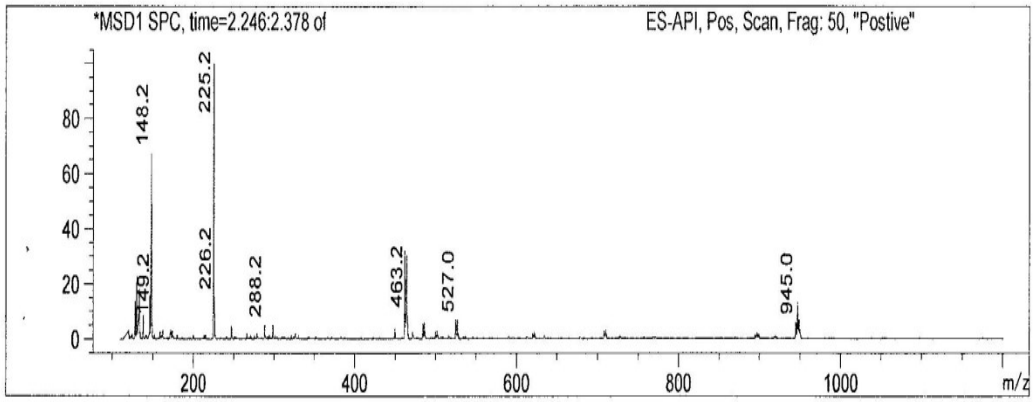
*MSD1 SPC, time=2.246:2.378 of
ES-API, Pos, Scan, Frag: 50, "Postive"
148.2
225.2
149.2
226.2
288.2
463.2
527.0
945.0
80
60
40
20
0
200
400
600
800
1000
m/z

Fig.S1.

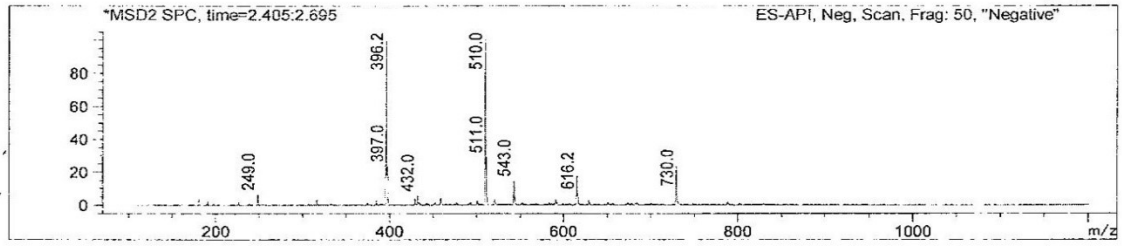
*MSD2 SPC, time=2.405:2.695
ES-API, Neg, Scan, Frag: 50, "Negative"
396.2
510.0
397.0
511.0
543.0
249.0
432.0
616.2
730.0
80
60
40
20
0
200
400
600
800
1000
m/z

Fig. S2.

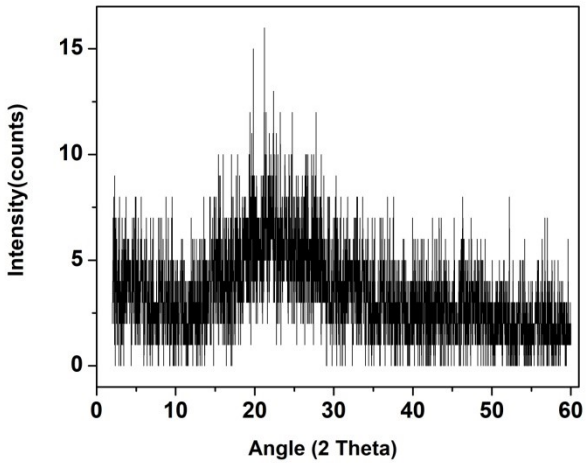

Fig. S3.

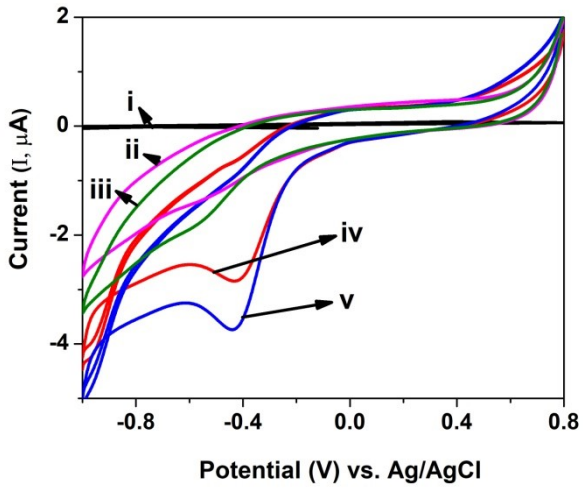
2
0
-2
-4
Current (I, μA)
i
ii
iii
iv
v
-0.8
-0.4
0.0
0.4
0.8
Potential (V) vs. Ag/AgCl

Fig. S4.

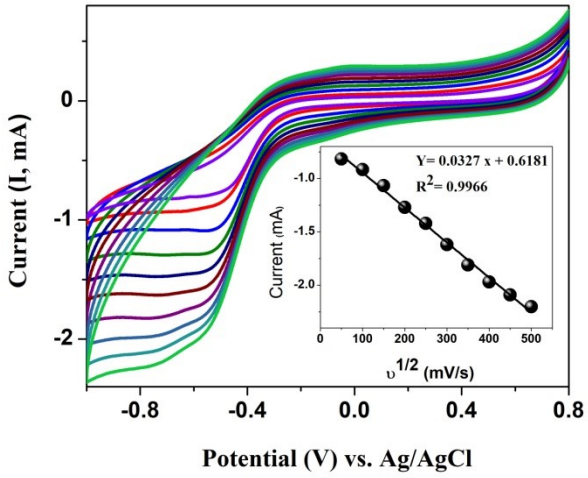
Current (I, mA)
0
-1
-2
-0.8
-0.4
0.0
0.4
0.8
Potential (V) vs. Ag/AgCl
Y= 0.0327 x + 0.6181
R2= 0.9966
Current (mA)
-1.0
-1.5
-2.0
0
100
200
300
400
500
υ1/2 (mV/s)

Fig.S5.