Supplementary Material

Ultrasensitive catechin electrochemical sensor based on uniform ordered mesoporous carbon hollow spheres (MCHSs) advanced carbon based conductive materials

Li Zhang [a,b], Jiejun Li [a], Chenxi Wang[a], Linzi Huang[a], Minghui Huang[a], Yuefan Wang[a], Xi Tang[a], Pengcheng Zhao[a], Yixi Xie[a,d*], Junjie Fei[a,c*]

[a] *Key Laboratory of Environmentally Friendly Chemistry and Applications of Ministry of Education, College of Chemistry, Xiangtan University, Xiangtan 411105, People's Republic of China*

[b] *College of Chemistry and Materials Engineering, Huaihua University, Huaihua 418000, PR China*

[c] *Hunan Institute of Advanced Sensing and Information Technology, Xiangtan University, Xiangtan 411105, People's Republic of China*

[d] *Key Laboratory for Green Organic Synthesis and Application of Hunan Province, Xiangtan University, Xiangtan 411105, People's Republic of China*

** Yixi Xie, College of Chemistry, Xiangtan University, Xiangtan, China*

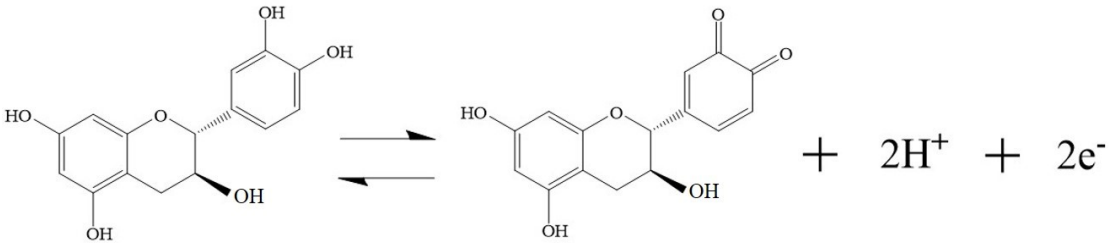
E-mail: xieyixige@xtu.edu.cn

** Junjie Fei, Ph.D., College of Chemistry, Xiangtan University, Xiangtan, China*

E-mail: fei_junjie@xtu.edu.cn

Tel.: 86-731-58292060

2. List of Supplementary Tables and Figures:



Scheme S1

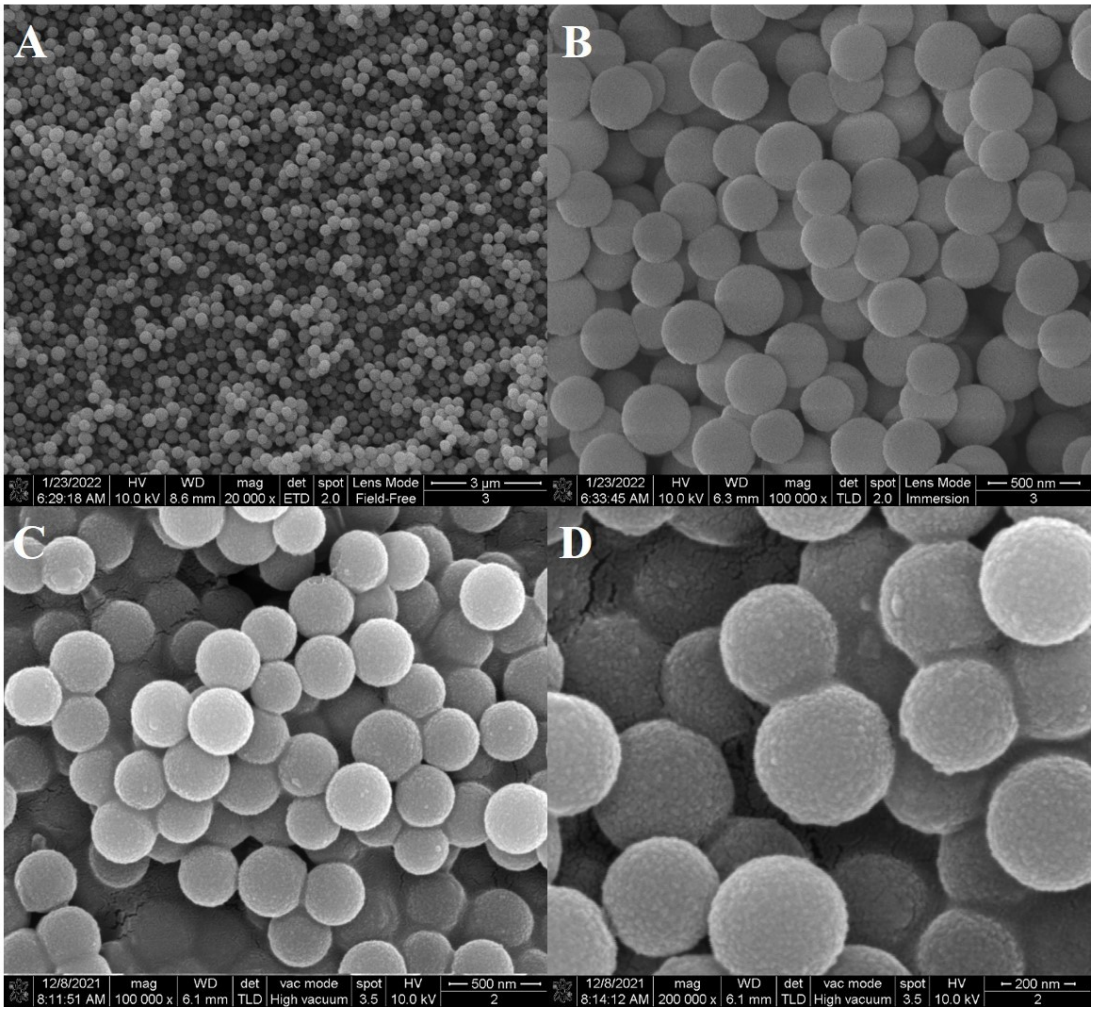


Figure S1

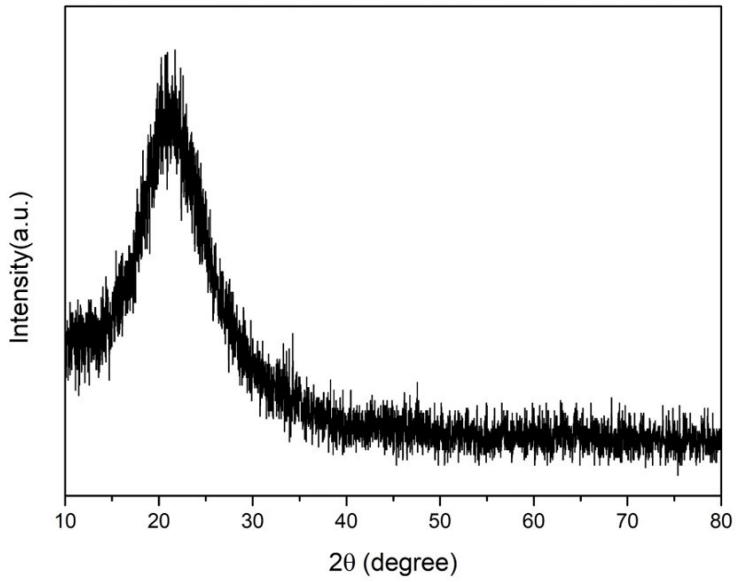


Figure S2

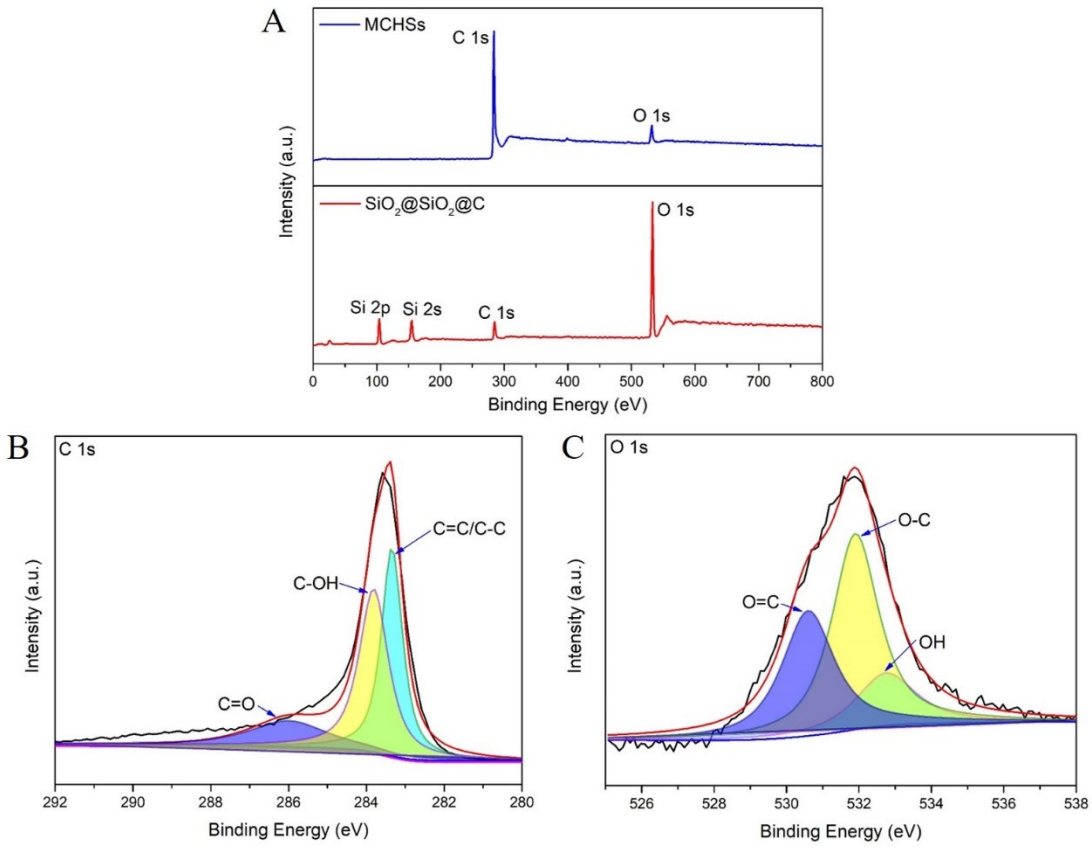


Figure S3

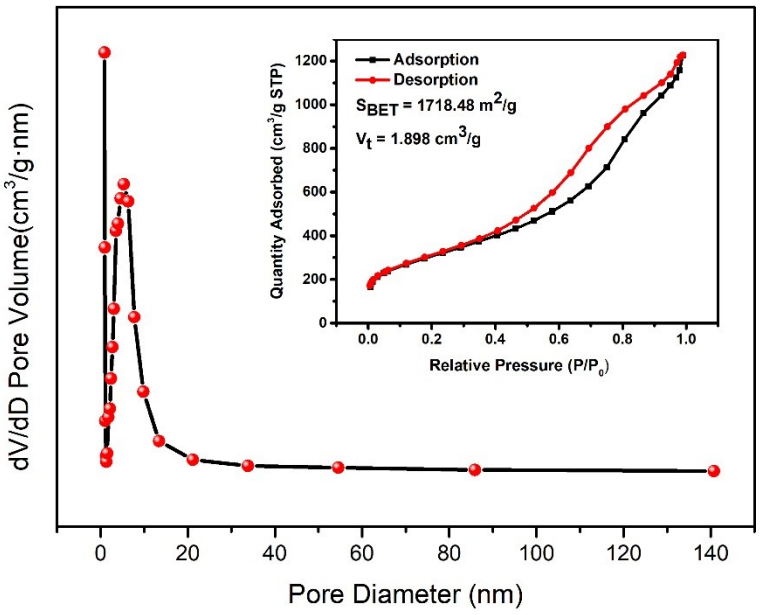


Figure S4

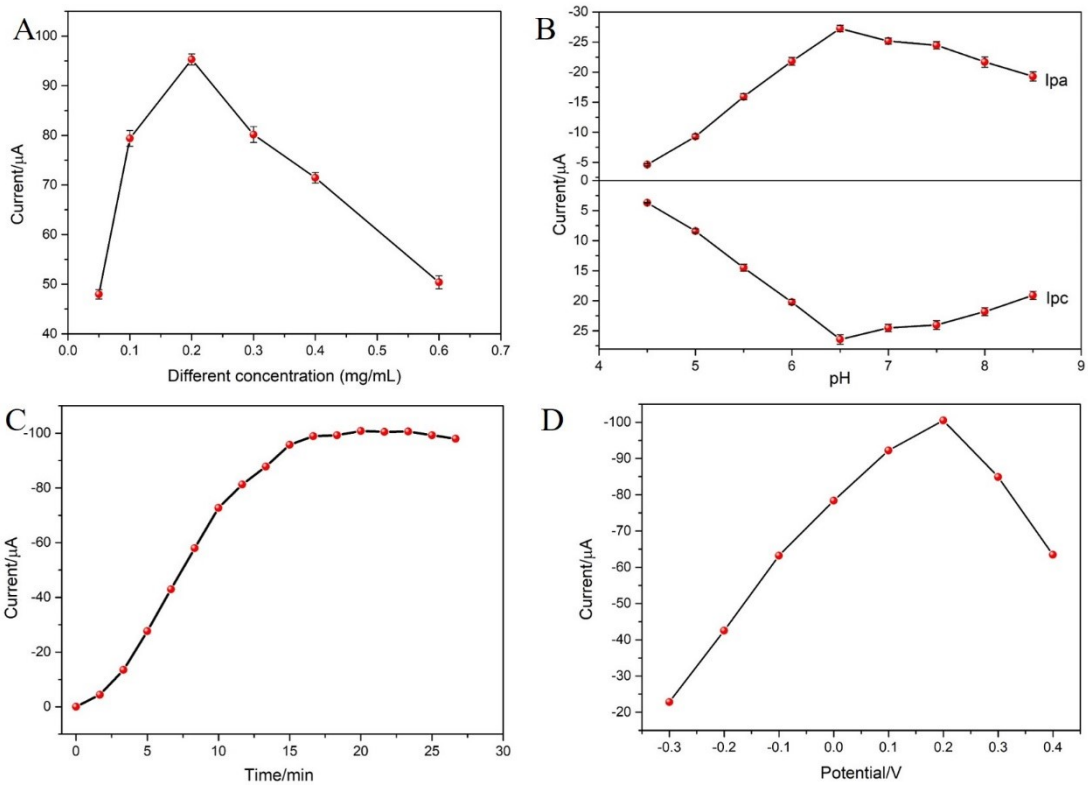


Figure S5

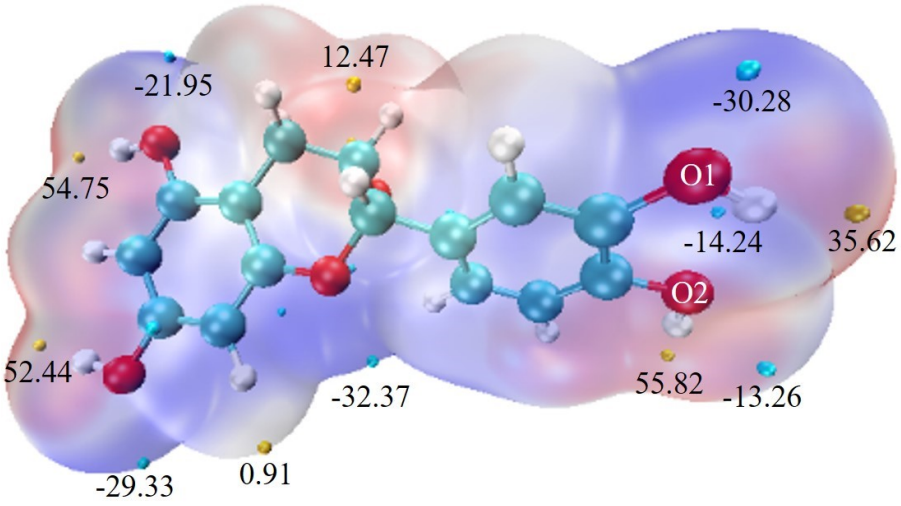


Figure S6

Table S1

Added (nM)	Founded (nM)	Recovery (%)	RSD (%)
0	39.27	-	-
20	60.21	104.7	0.82
40	78.69	98.6	1.02
60	96.13	94.8	0.64