

Control synthesis of flower-like cobalt phosphate microsheet arrays supported on Ni foam as highly efficient 3D integrated anode for non-enzymatic glucose sensing

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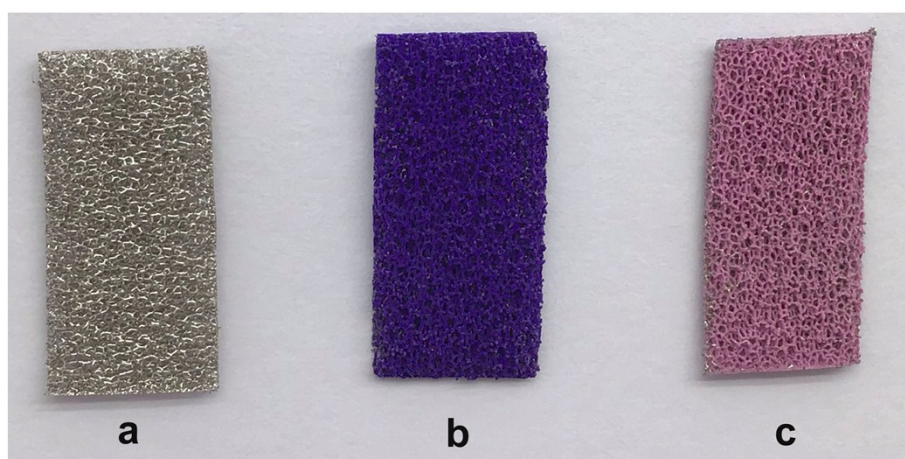


Fig. S1. Photographs of NF before (a) and after (b,c) control hydrothermal synthesis.

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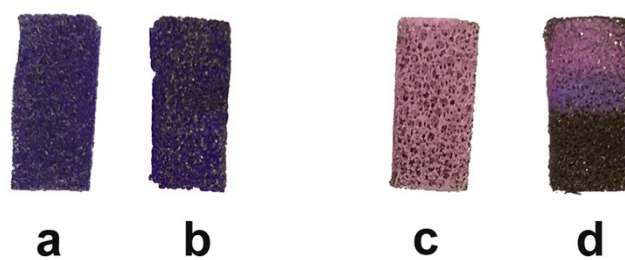


Fig. S2. Photographs of CoPO MA/NF before (a) and after (b) ten CVs cycles, and CoHPO MA/NF before (c) and after (d) ten CVs cycles.

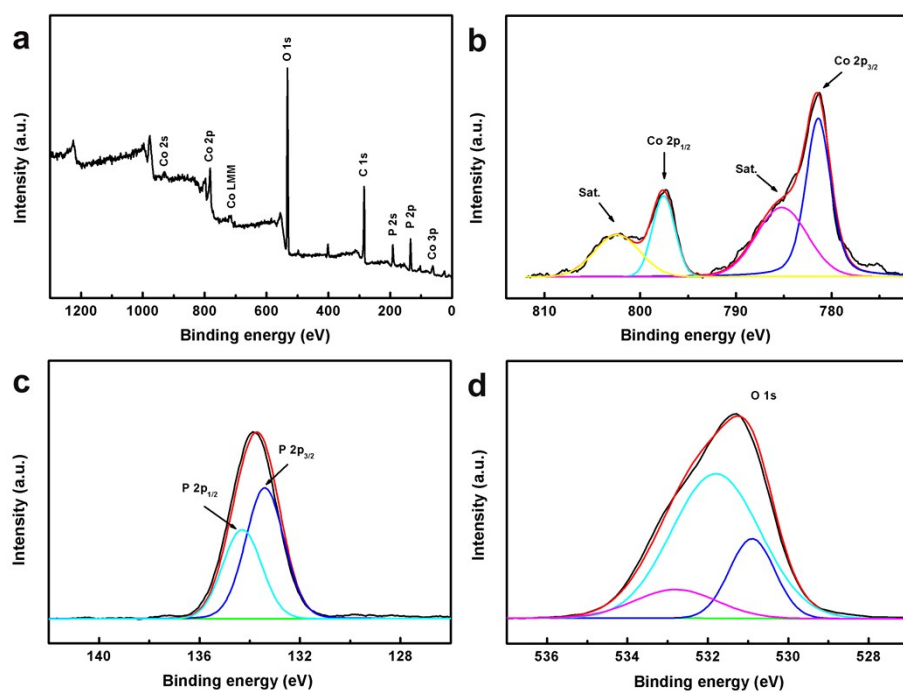


Fig. S3. (a) XPS survey spectra of the CoHPO MA/NF. (b-d) XPS spectra of Co 2p, P 2p and O 1s, respectively, for CoHPO MA/NF.

Table. S1. Recovery for glucose detection in human serum samples.

Sample	Added glucose (mM)	Found glucose (mM)	Recovery (%)	RSD (n=3)
1	0.1	0.0989	98.9	3.02
2	0.2	0.2083	104.2	1.31
3	0.3	0.2960	98.7	2.55

Table. S2. Glucose concentration in human serum samples measured by the hospital and the present sensor

Sample	Glucose concentration offered by hospital (mM)	Glucose concentration determined by the present sensor (mM)	RSD (%) (n=3)	Bias (mM)
1	7.25	7.31	1.27	0.06
2	5.61	5.51	2.26	-0.10
3	11.08	11.04	1.91	-0.04