

Supporting Information

Sweet Potatoes Derived Three-Dimensional Carbon Aerogel with Hierarchical Meso-Macroporous and Branching Nanostructure for Electroanalysis

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Table S1 Comparison of the feedstock cost for the synthesis of HMM-BNCA, graphite, CNTs and graphene.

Material	Feedstock	Supplier	Product # from supplier	Unit price (US\$)	Dosage	Single item cost (US\$ per 1 g of material)	Total cost (US\$ g ⁻¹)	Ref.
HMM-BNCA	Sweet potatoes ^a	-	-	0.002 g ⁻¹	70.92 g	0.14	~0.16	1
	H ₂ O	US	-	0.031 L ⁻¹	0.60 L	0.018		2
	Nitrogen gas	-	-	0.0005 L ⁻¹	6.90 L	0.003		
Graphite	-	MillporeSigma	496588-113.4G	-	-	-	1.88	3
CNTs	-	MillporeSigma	901019-25G	-	-	-	11.16	4
Graphene ^b	-	MillporeSigma	803839-5ML	-	-	-	5500	5

^a published by the United States Department of Agriculture (USDA) for the sweet potatoes (Oct. 30, 2020).

^b calculated by the formula mass = concentration × volume.

References

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