

# A High Performance Triboelectric Nanogenerator Based on MXene/Graphene Oxide Electrode for Glucose Detection

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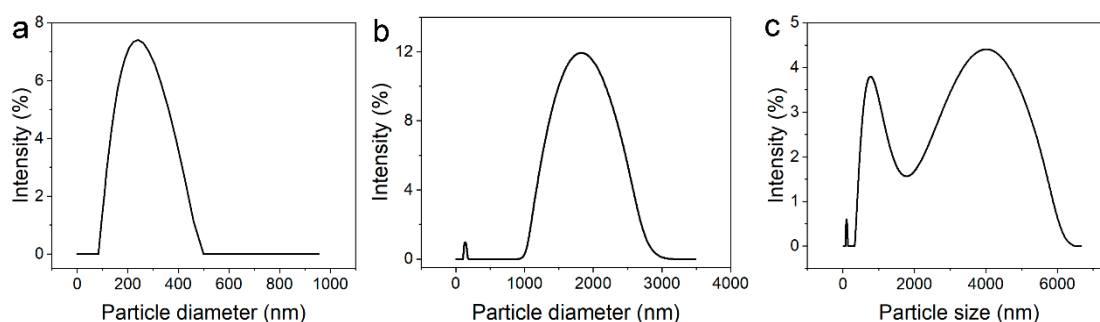
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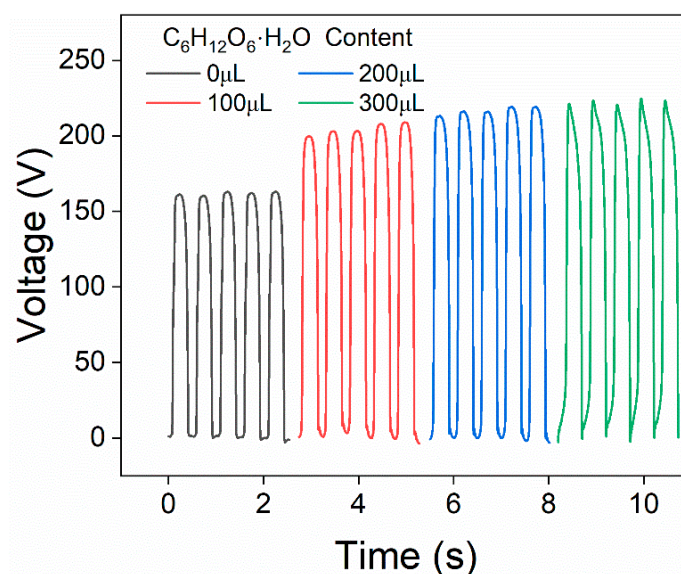
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**Figure S1.** The DLS measurement of different GO nanosheets. (a) GO (small size), (b) GO (medium size), (c) GO (large size),.



**Figure S2.** The relationship between the output voltage of MXene-based TENG and the glucose concentration.

**Table S1.** The comparison with previous works.

Year	Materials	Target	Detection limit and work range	Output voltage	Ref.
2013	Nano-TiO <sub>2</sub>	Catechin	5 $\mu$ M	~ 5V	S1
2013	Cu/PDMS	Glucose	0.1–1 mM	17 V	S2
2016	Al/Gelatin	Glucose	200 $\mu$ M–2 mM	500 V	S3
2022	Enzymes	Glucose	0.0056 mM	3 V	S4
2022	MXene/bacterial	Zn <sup>2+</sup> Cu <sup>2+</sup>	1 $\mu$ M 10–300 $\mu$ M	10.9 V	S5
	MXene/GO	Glucose	100 $\mu$ M	258.8 V	Our work

**Reference:**

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