

Supporting Information

# An Ultra-Sensitive and Multifunctional Electronic Skin with Synergetic Network of Graphene and CNT

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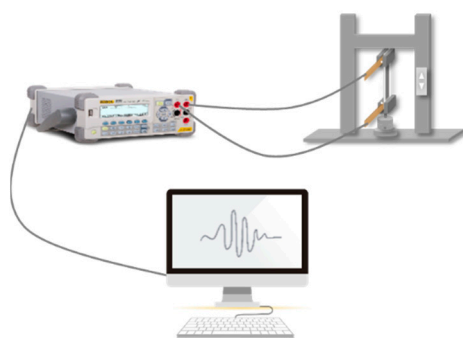
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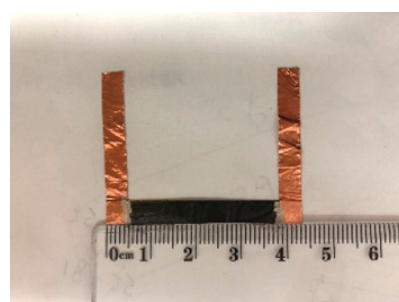
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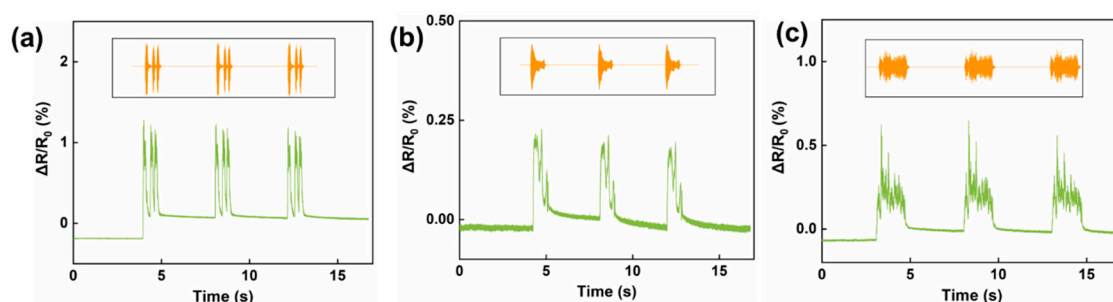
† These authors contributed equally to this work.



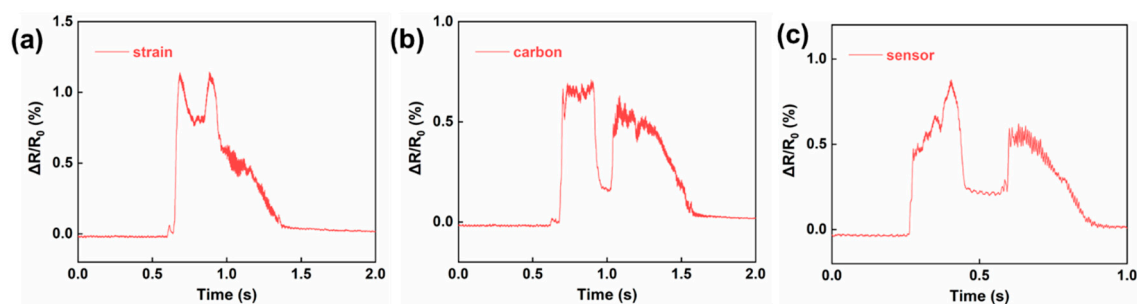
**Figure S1.** The test system diagram.



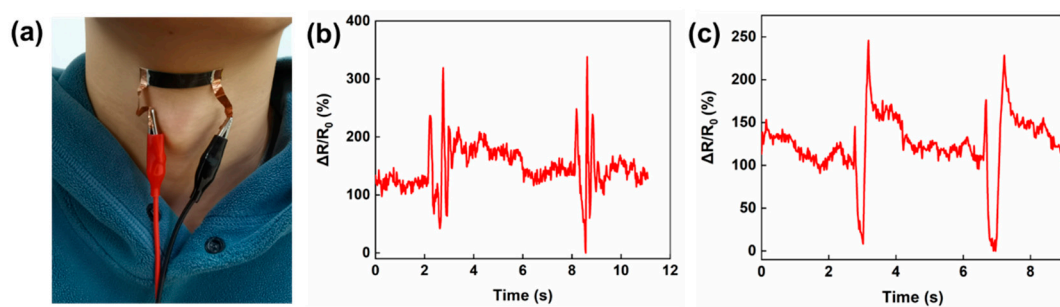
**Figure S2.** The digital picture of the SCG e-skin.



**Figure S3.** The comparison between the initial audio wave of animal sound and the corresponding sound vibration signal. (a) meow (b) bark (c) cock crow.



**Figure S4.** The response towards English words from a loudspeaker. (a) "strain" (b) "carbon" (c) "sensor".



**Figure S5.** Throat muscle movement detected by SCG e-skin attached to the throat. (a) Tester with a SCG e-skin attached to the throat. (b) nod (c) shake head.