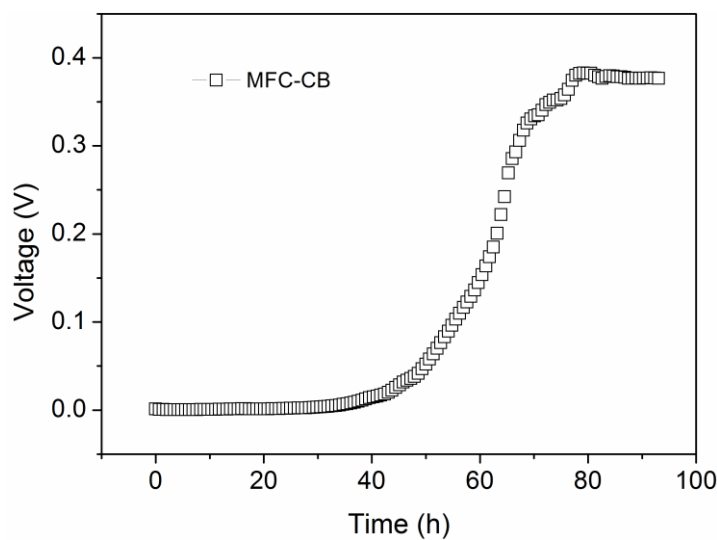


*Alkaline treatment of used carbon-brush anodes for restoring power generation of microbial fuel cells*

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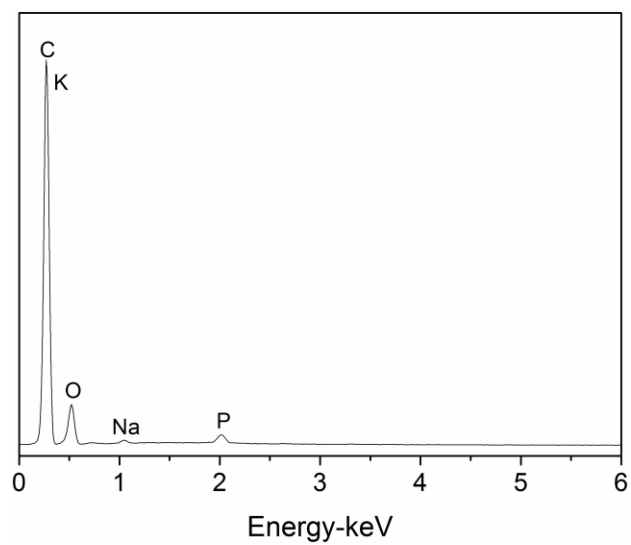


**Fig. S1.** Voltage evolution of MFC with the original carbon-brush anode during start-up.

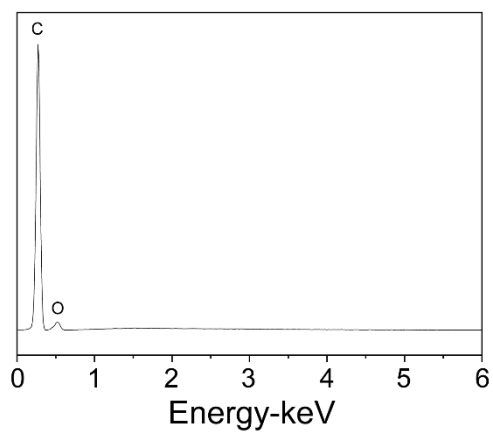
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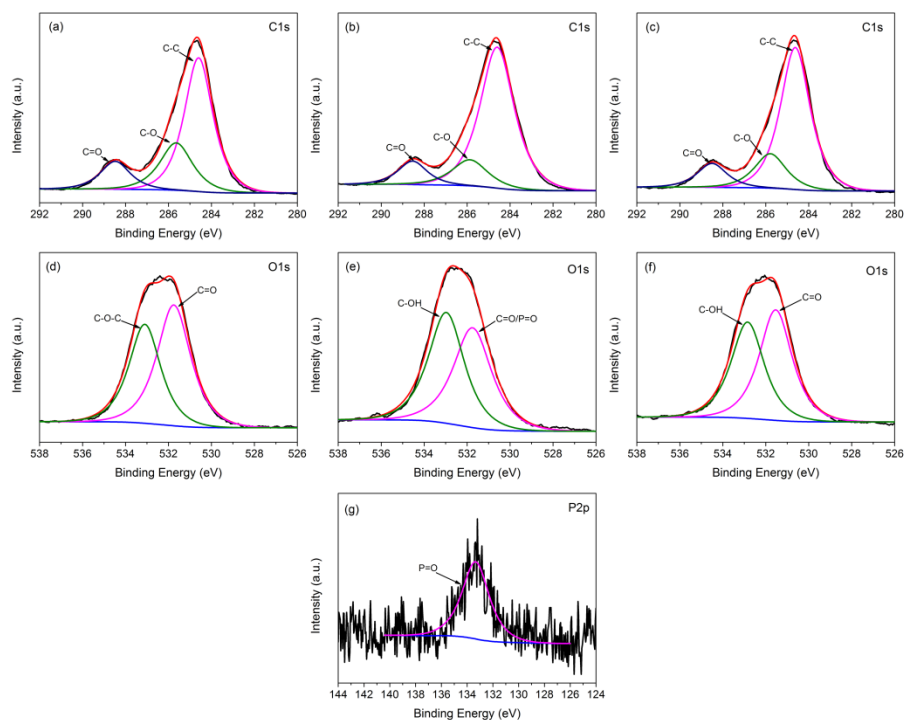
*E-mail address:* dwtang@dlut.edu.cn



**Fig. S2.** EDS of the agglomeration particles.



**Fig. S3.** EDS of the original carbon-brush anode.



**Fig. S4.** High-resolution XPS scans of C1s for the original carbon-brush anode (a) and the used carbon-brush anode treated by carbonization (b) and alkaline soaking (c). High-resolution O1s scans of a (d), b (e), c (f). High-resolution spectrum of P2p of the carbonization-treated used anode (g).