

## Supporting information

### **A facile synthesis of bacterial cellulose fibers covalently intercalated graphene oxide by one-step cross-linking for robust supercapacitors**

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For element analysis using X-ray fluorescence (XFR) technique, BC/GO (100 mg) or BC/GO<sub>PM</sub> (100 mg) was blended with SiO<sub>2</sub> (6900 mg) for testing. The results are shown as Figure S1 and S2.

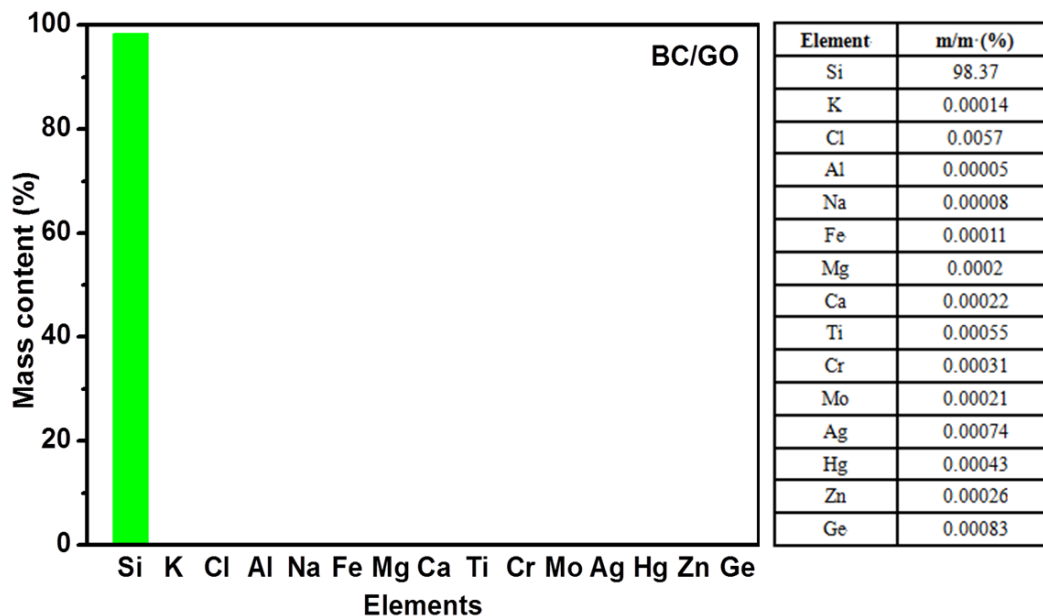


Figure S1. XRF element analysis of BC/GO.

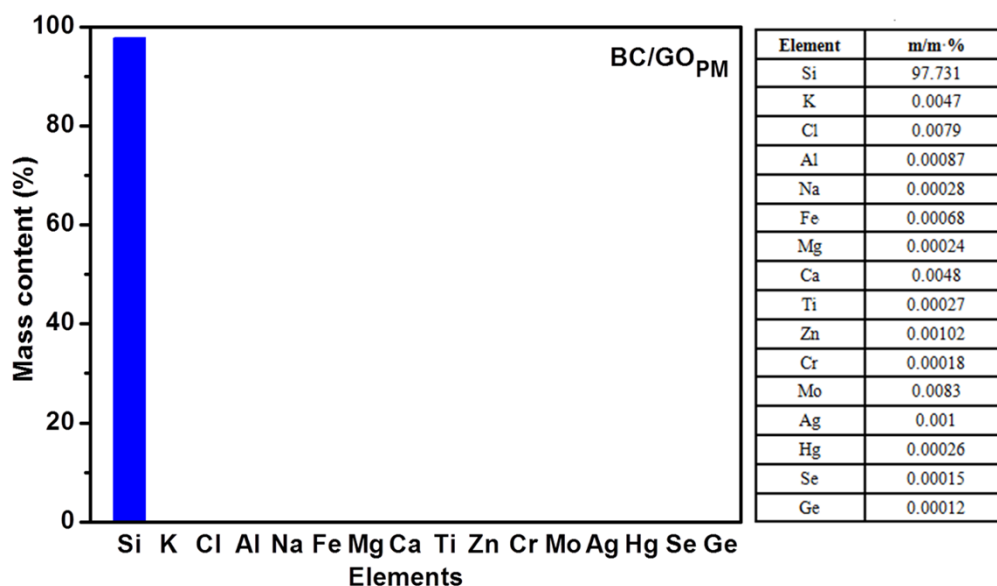


Figure S2. XRF element analysis of BC/GO<sub>PM</sub>.

The CHN elemental analysis was carried out on a vario EL III element analyzer (Elementar Analysensysteme GmbH, Germany), with the results for BC/GO (100 mg) or BC/GO<sub>PM</sub> summarized in Table S1.

**Table S1.** Chemical composition of BC/GO and BC/GO<sub>PM</sub> nanocomposites

Sample	Elements (atomic %)			Content (%)	
	C	H	O	BC	GO
BC	44.45	6.22	49.33	100	
BC/GO	52.18	5.41	42.41	84.4	15.6
BC/GO <sub>PM</sub>	49.44	5.71	44.84	89.9	10.1