

Supplementary material

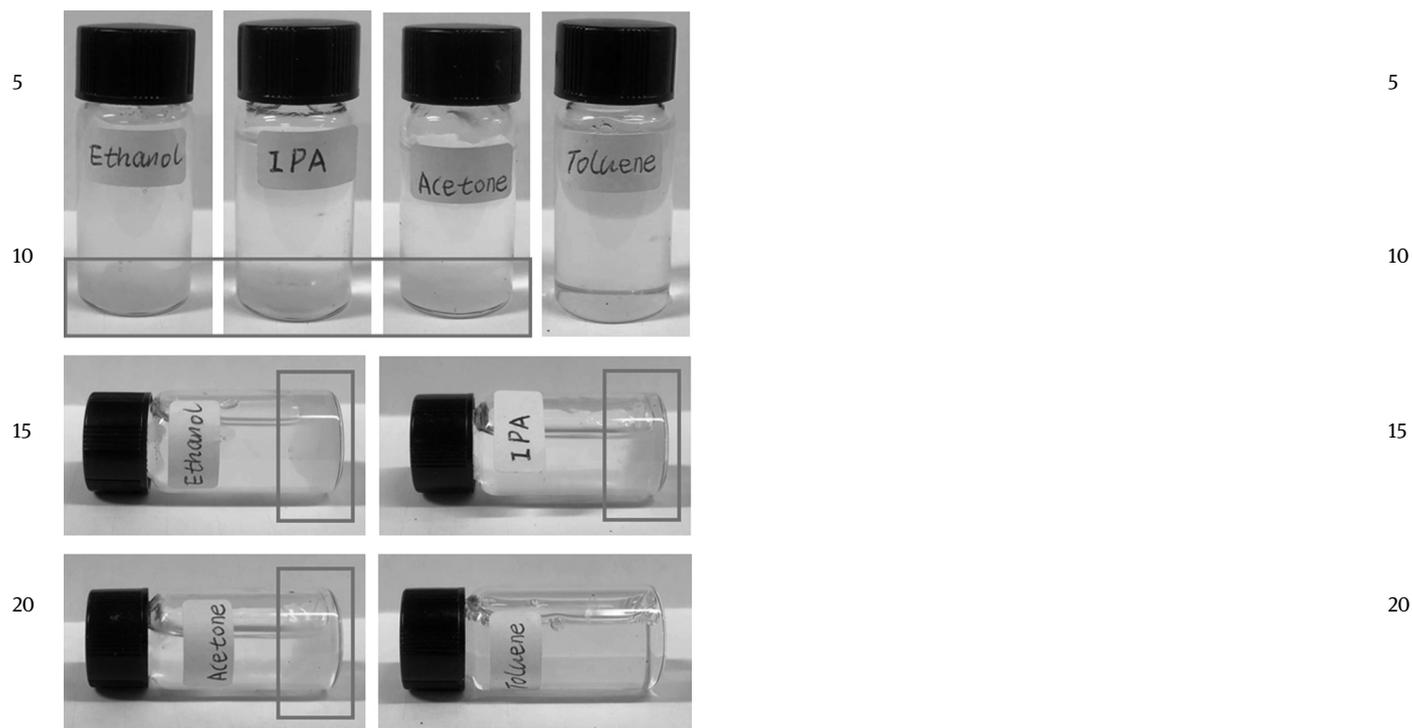
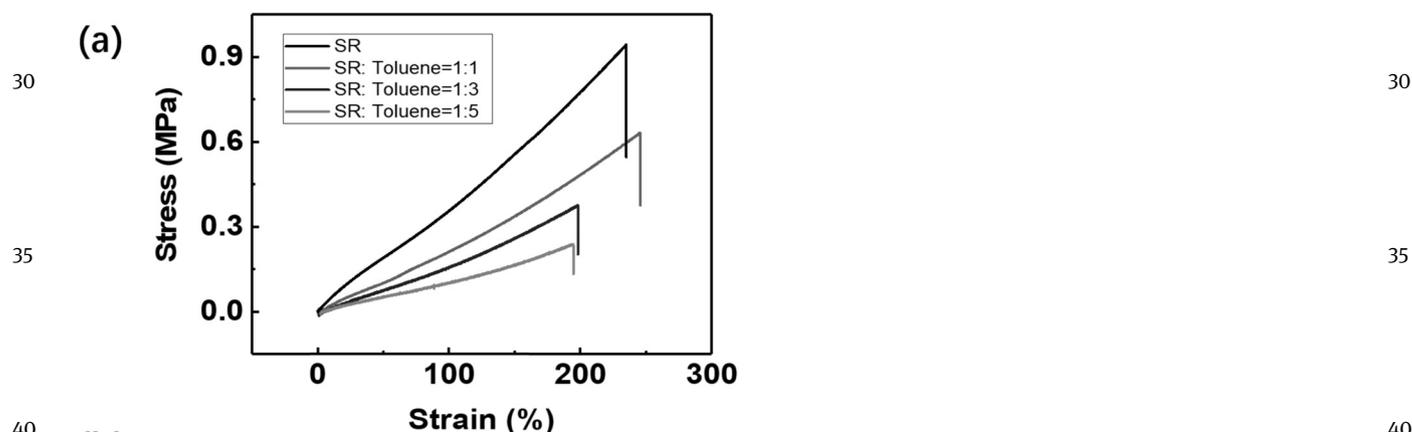


Figure S1: Photographs of diluted the SR with ethanol, IPA, acetone, toluene to disperse, respectively (after sonication 5 hours). It was found that only in toluene can be dispersed uniformly. The remaining composited solution has obvious precipitation at the bottom.



(b)

	SR	1:1	1:3	1:5
Stree (MPa)	0.9433	0.8189	0.4975	0.3152
Strain (%)	246.82	268.70	203.72	198.65
Surface tension (mN/m)	28.25	23.79	24.83	25.20

Figure S2: (a) The relationship between strain (%) and stress (MPa) formulated with pure SR and values weight ratio of SR to toluene, 1:1, 1:3, 1:5 respectively (after sonication 5 hours). (b) The stress, strain and surface tension for the various weight ratios of SR/Toluene solutions.

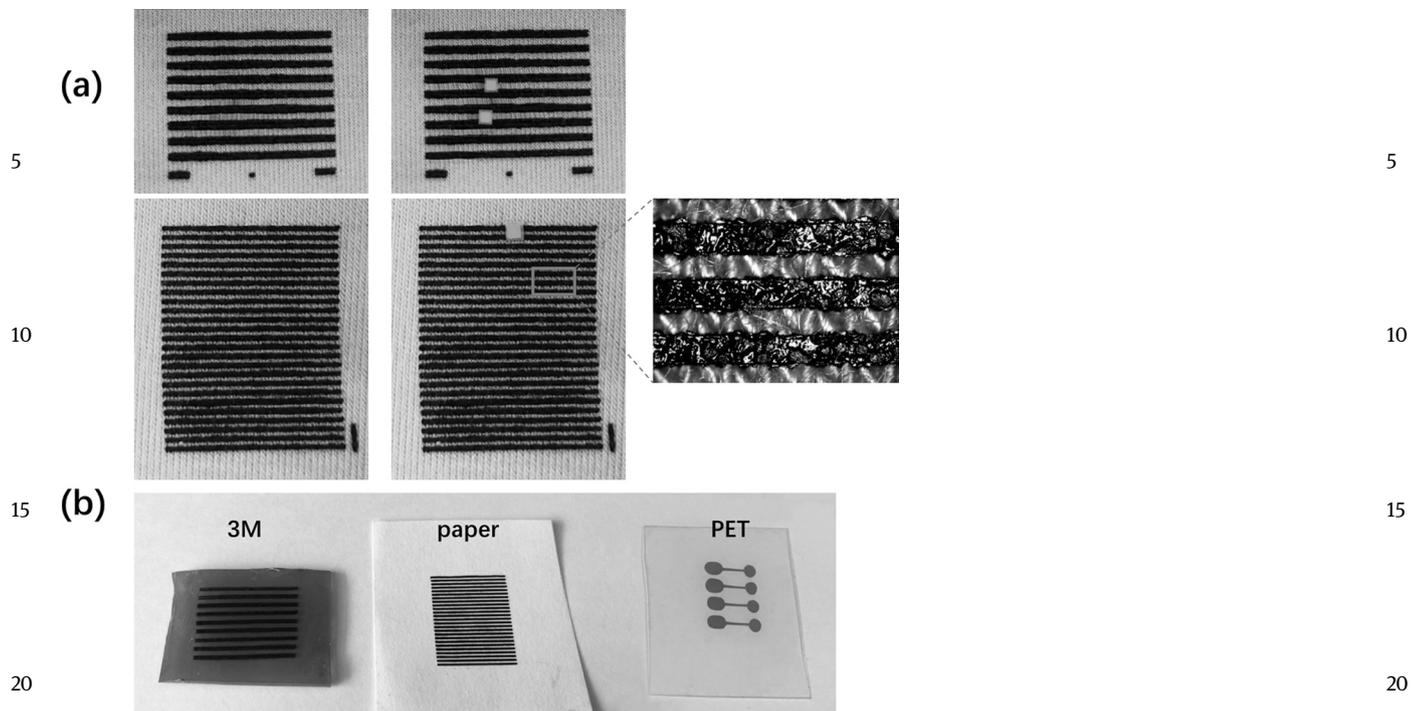


Figure S3: (a) Photographs of the fabric for the MWCNT/CB/SR composite electrode with a weight ratio of 7:20:200 by blade coating. (b) And a uniform pattern on various substrates (3M tape, paper and Poly(ethylene terephthalate) (PET) film).

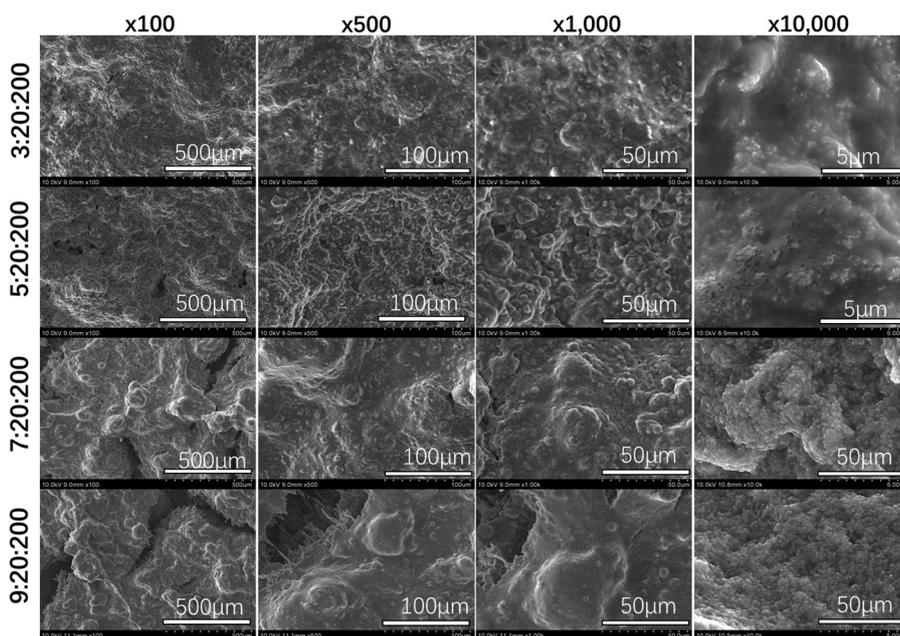


Figure S4: Stirring experiment at 200rpm in water and the relationship between measuring time (hour) and the electric resistance (KΩ).