

Figure S1 Survey spectrum and high-resolution spectra of SAC-2

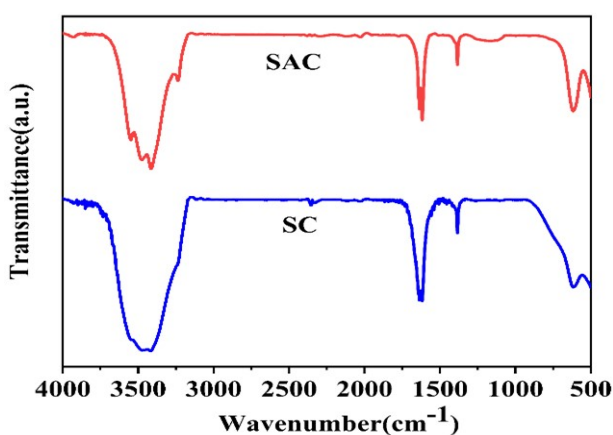


Figure S2 FT-IR spectra of SAC-2 and SC

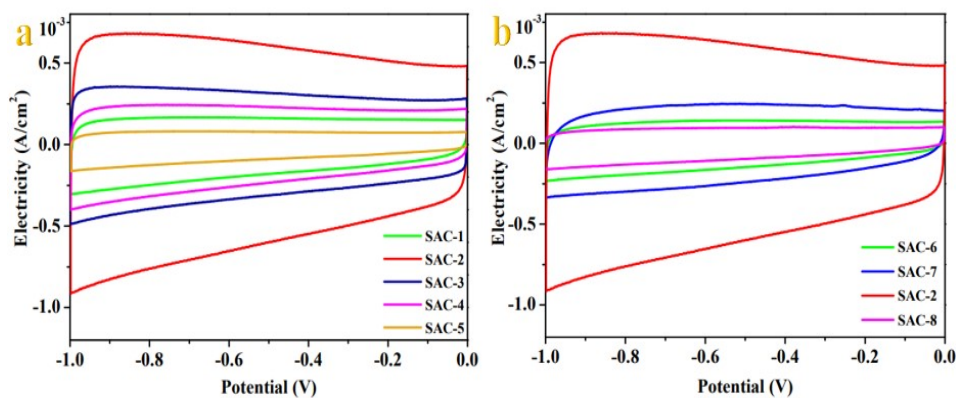


Figure S3 CV curves of SAC samples at 100 mV/s

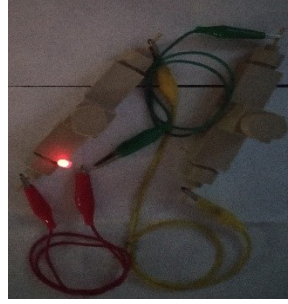


Figure S4 photograph of lighting LED bulbs

Table S1 Capacitances of SAC samples

Samples	1 A g ⁻¹	2 A g ⁻¹	5 A g ⁻¹	10 A g ⁻¹	20 A g ⁻¹
SC	216.4	-	-	-	-
SAC-1	340.7	301.6	276.5	217.8	186.4
SAC-2	918	602.4	438.2	377	337.3
SAC-3	701.4	568.3	416.2	327.5	286.4
SAC-4	417	365.2	326.5	287.3	237.2
SAC-5	276.1	235.7	210.5	186.3	165.2
SAC-6	564.7	527.3	386.4	301.2	265.3
SAC-7	643.5	568.4	420.3	327.1	287.5
SAC-8	247.8	215.4	186.3	146.2	115.6