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Supplementary Information

High-Rate-Capability Asymmetric Supercapacitor Device Based on Lily-like Co₃O₄ Nanostructures Assembled by Nanowires

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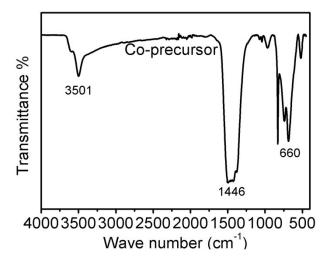


Fig. S1. The FT-IR spectrum of Co-precursor. The IR peaks around 3501 cm⁻¹ is proposed to be attributed to stretching vibration of OH group. The peaks at 1446 cm⁻¹ are ascribed to C-O group. In addition, the peak at 660 cm⁻¹ can be assigned to the vibration of Co-O group. Therefore, the Co-precursor is proposed as the complex including cobalt and organic compounds.

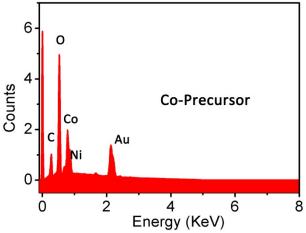


Fig. S2. The energy dispersive spectrum (EDS) analysis of Co-precursor. Known from EDS result, the elements of C, O, Co were observed. Note: Ni signal peak was from Ni foam, Au signal peak was from metal spraying process.

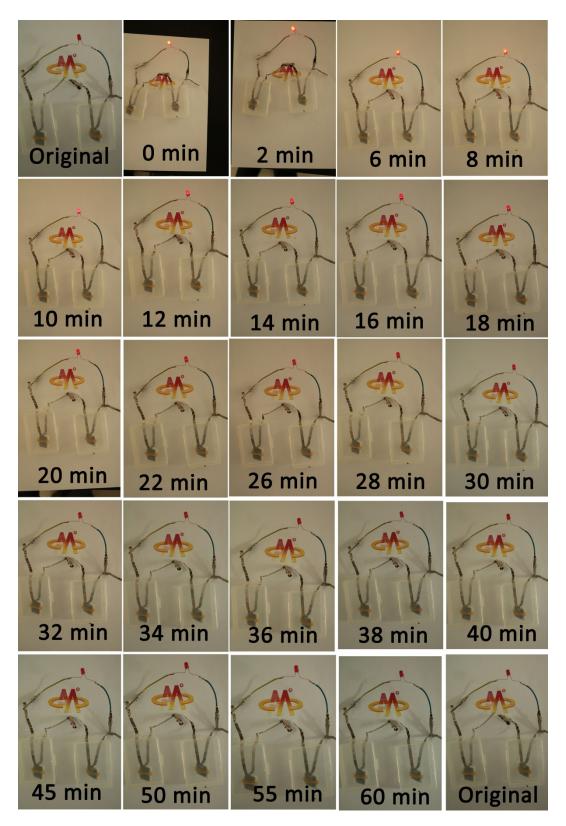


Fig. S3. The LED lighted by two supercapacitors in series at different time.