

The data includes 4 parts

1. **File (ABS+AVT)** contains a characterisation of materials absorption (ABS), film transmittance and calculation of average visible transmittance (AVT).
2. **File (Devices)** contains the performance of transparent organic solar cells which includes current density-voltage (J-V) curves and external quantum efficiency (EQE) of OSCs.
3. **PPT Slides (data collection)** contain the all graphs used in the paper including File (ABS+AVT) and File (Devices), materials characterisation and pictures of OSC active films.
4. **Excel sheet (synth)** contains the information on the synthesis of Hole transporting materials (reaction condition and yield.)