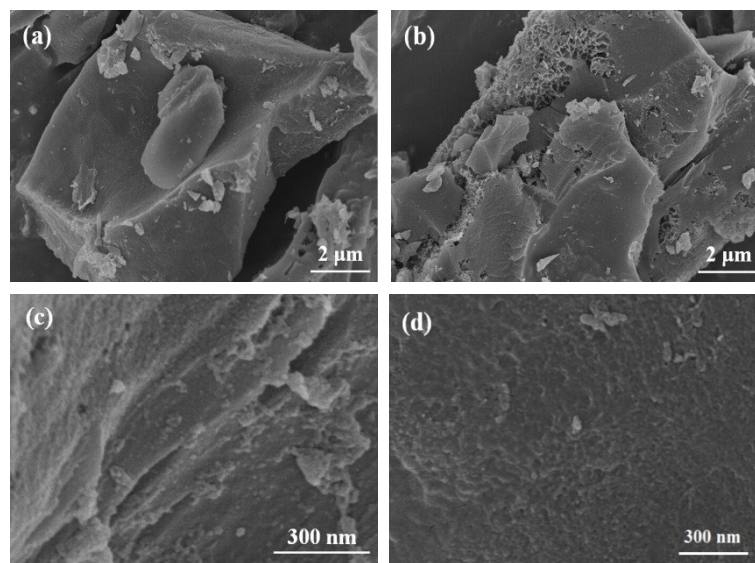


Electronic Supplementary Information (ESI) available:

## Supporting information

### Oxygen-enriched hierarchical porous carbon derived from biowaste sunflower head for high-performance supercapacitors

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**Fig. S1** Scanning electron microscopy (SEM) images:(a, c) SFHC-1:1, (b, d) SFHC-1:2.