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Supporting information

Activated Biochar Derived from Pomelo Peel as High-**C**apacity **Sorbent for Removal of Carbamazepine from Aqueous Solution**

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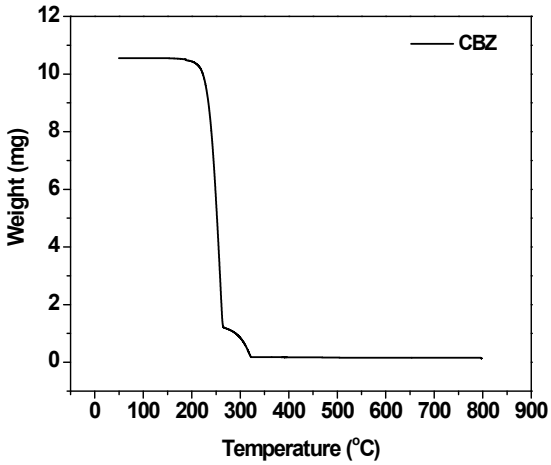

Figure S1. TG curve of CBZ.

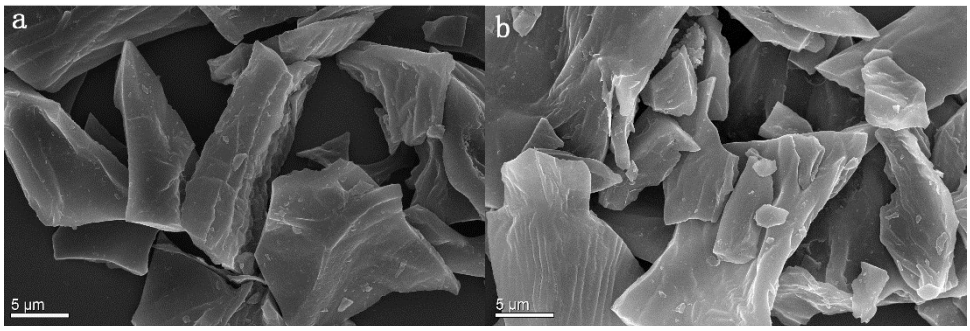

Figure S2. Typical SEM images of a) pristine biochar and b) activated (at 800 ℃) biochar from pomelo peel.

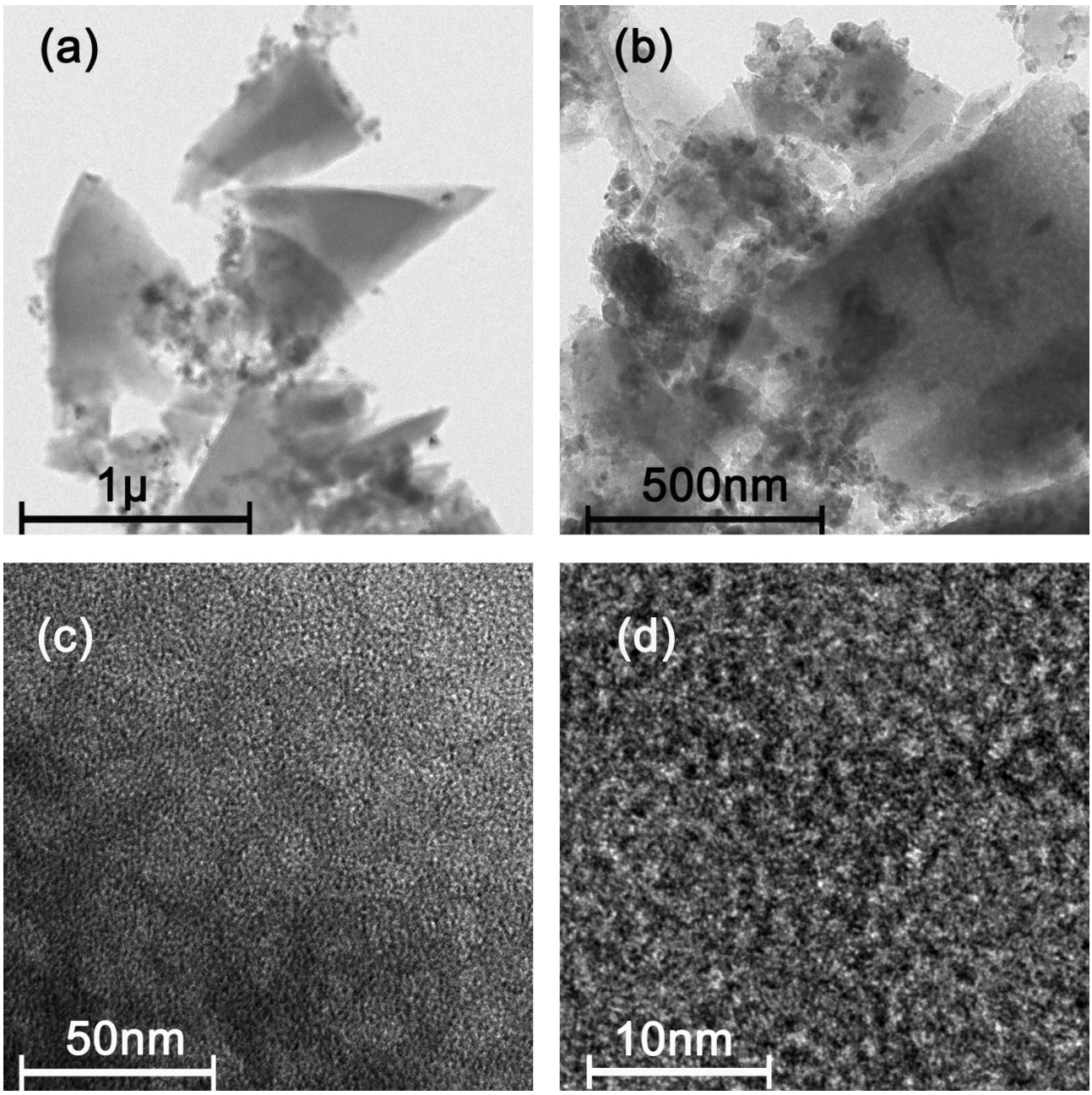

Figure S3. Typical (a, b) TEM and (c, d)HRTEM of as-prepared AB-600.

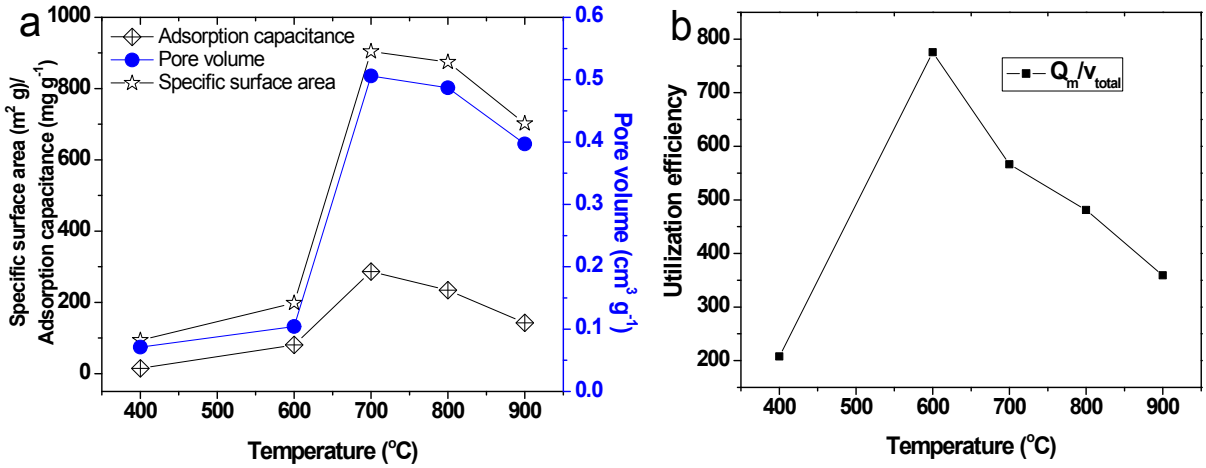

Figure S4. Relationship of pore structure and the adsorption capacity.

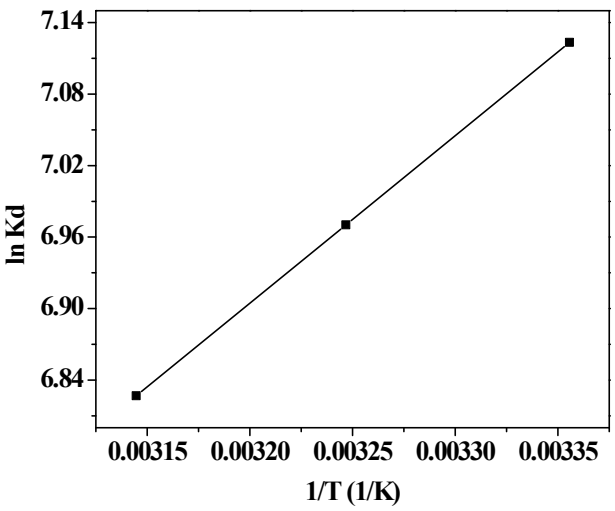

Figure S5. Arrhenius plot for adsorption of CBZ by AB-700

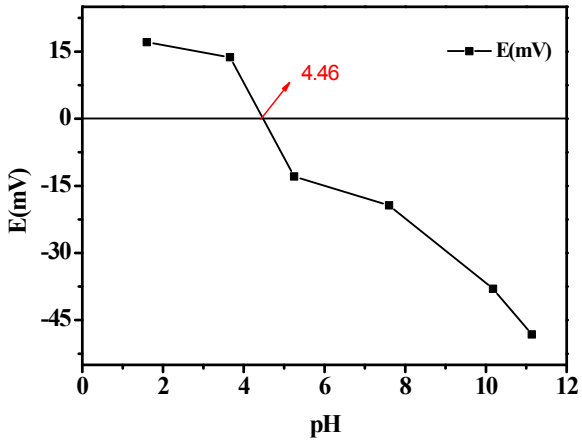

Figure S6. Zeta potential as a function of pH for AB-700.

Table S1. The elemental compositions (atomic %) on the surface AB-600, AB-700, AB-800 and AB-900

Sample	Carbon	Oxygen	Nitrogen
AB-600	89.74	8.88	1.38
AB-700	93.04	5.79	1.17
AB-800	95.39	3.90	0.71
AB-900	97.29	2.39	0.32