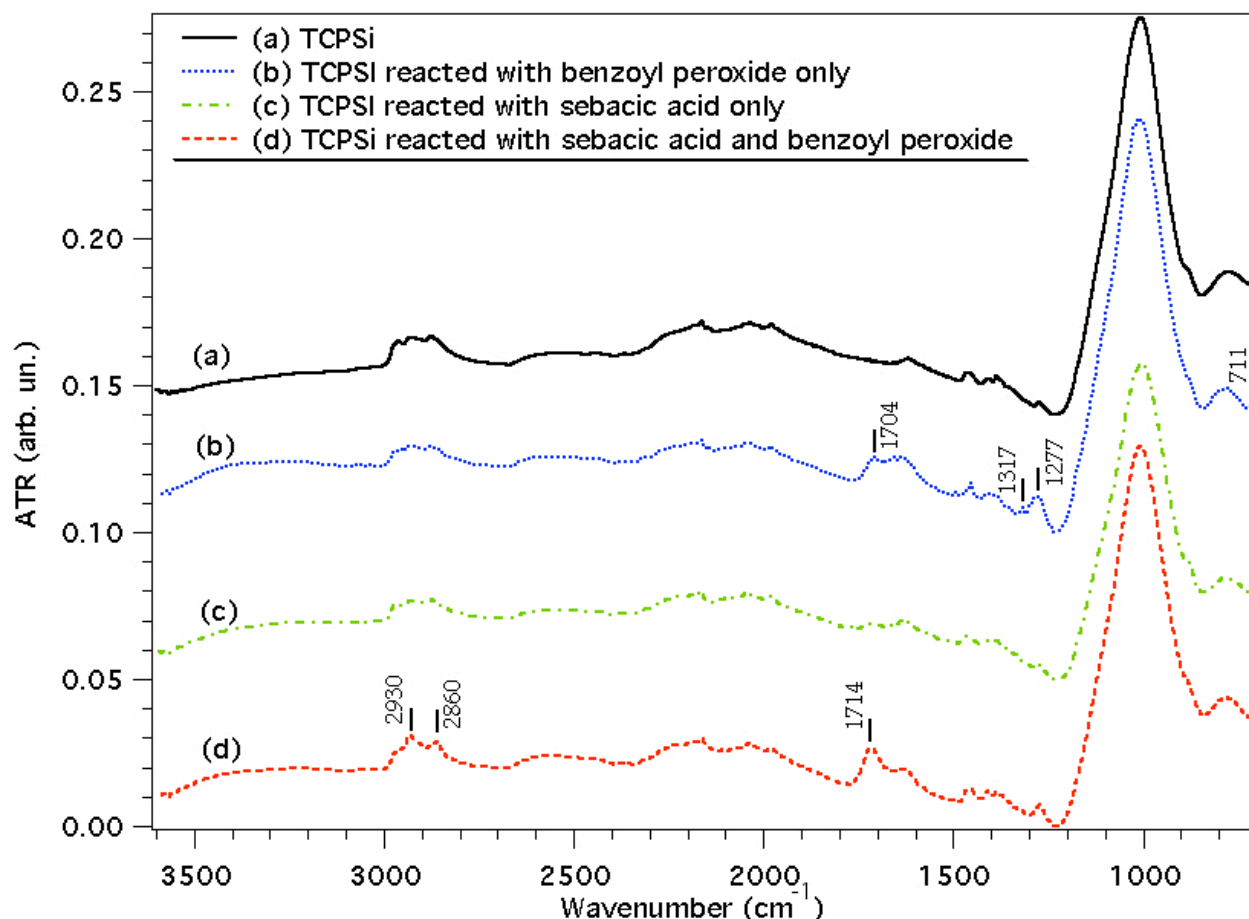


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Supplemental Figure S1. Attenuated total reflectance (ATR) spectra of (a) thermally carbonized porous Si; (b) thermally carbonized porous Si chip treated with benzoyl peroxide; (c) thermally carbonized porous Si chip treated with sebacic acid only (no benzoyl peroxide); (d) thermally carbonized porous Si chip treated with sebacic acid and benzoyl peroxide.