Adsorption and structural properties of ordered mesoporous carbons synthesized by soft-templating in the presence of boric acid and tetraethyl orthosilicate

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Table S1. XPS elemental composition of the C-B-30-850 sample.

Atomic %	Sample 1	Sample 2	Sample 3	Sample 4
C1s	91.5	92.9	91.7	92.0
O1s	7.0	5.9	6.5	6.6
B1s	1.5	1.2	1.8	1.5

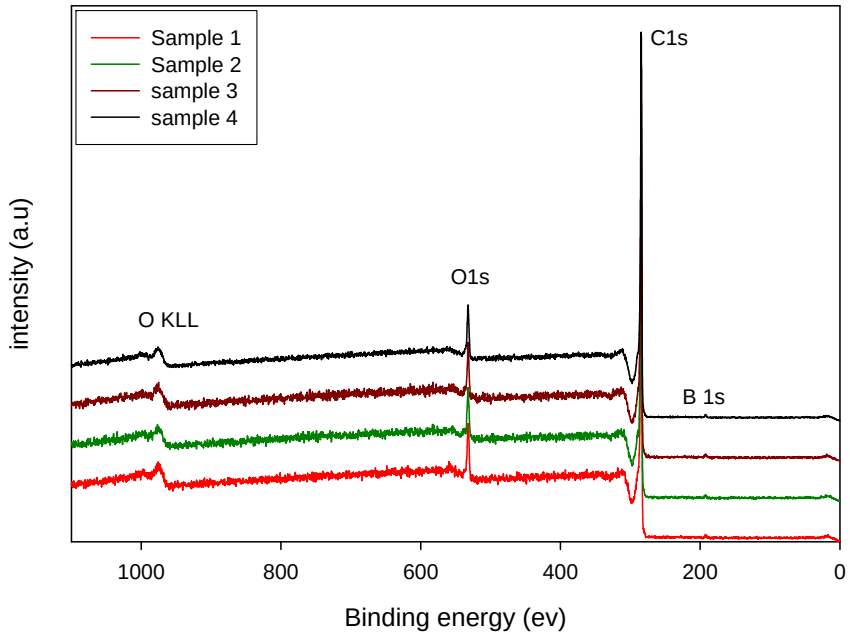

Figure S1. XPS spectra for different spots of the C-B-30-850 sample.

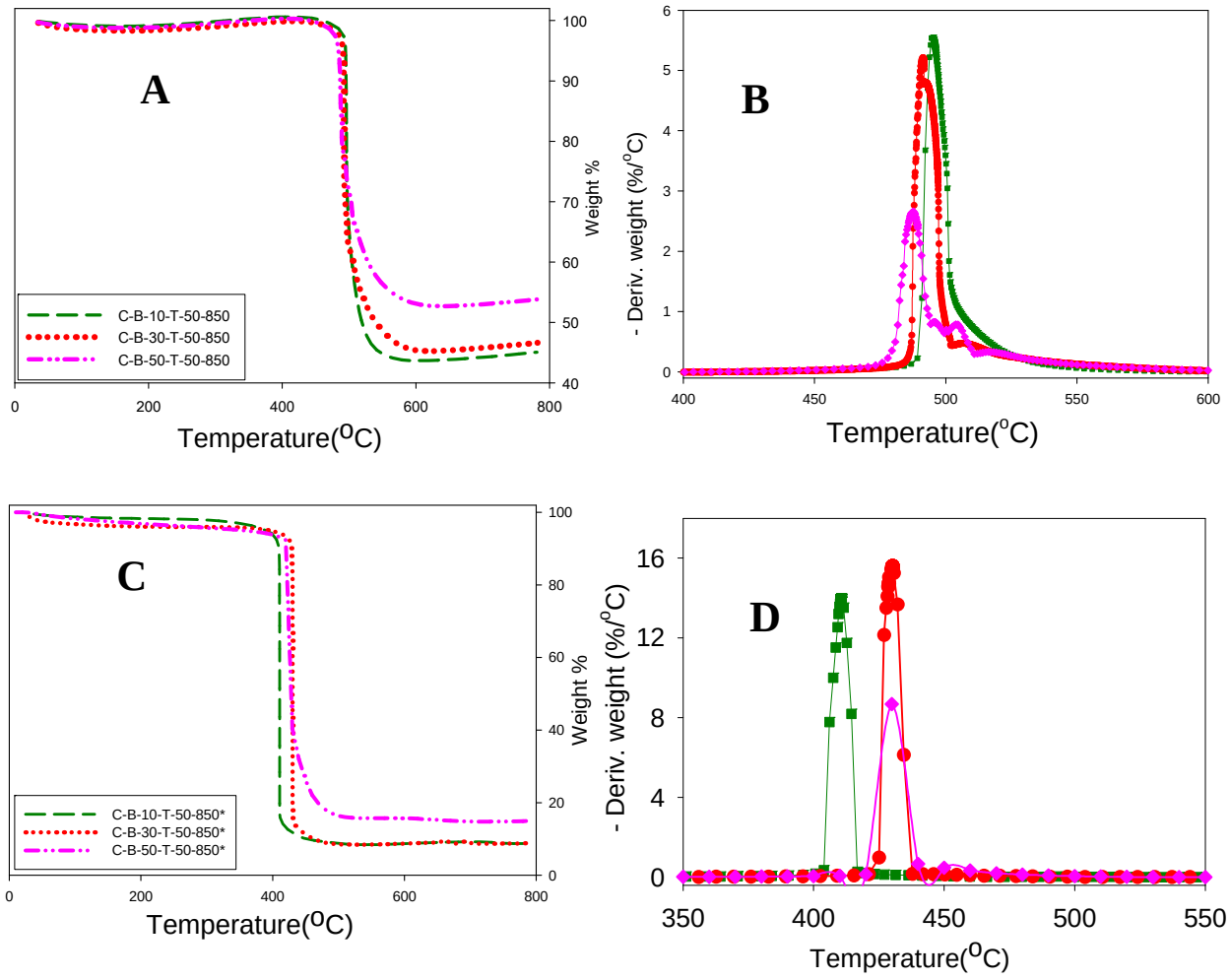

Figure S2. Weight change (TG) and differential (DTG) profiles of the B-containing mesoporous carbons prepared with and without TEOS addition before (A and B) and after (C and D) silica dissolution.

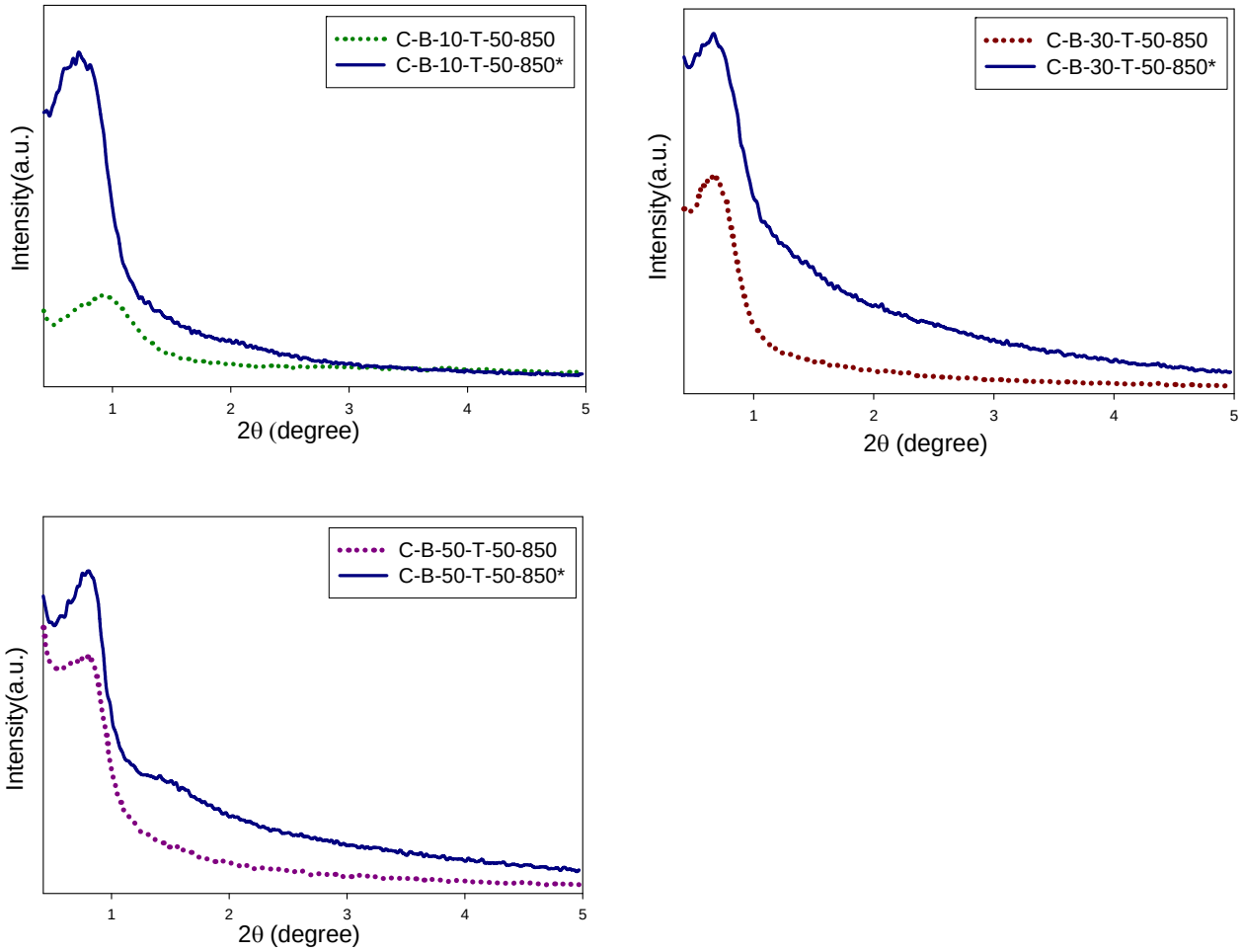

Figure S3. A comparison of the XRD patterns of the B-containing silica-carbon composites (prepared in the presence of TEOS) and the corresponding carbons (obtained from these composites by dissolution of silica; samples marked with *) for 10 (panel A), 30 (panel B) and 50% (panel C) boric acid in the synthesis mixture.