

## Supporting Information

# Synthesis and Acid Catalysis of Zeolite-Templated Microporous Carbons with SO<sub>3</sub>H Groups

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## 1. Physicochemical properties of microporous carbon catalysts.

Table S1. Physicochemical properties of microporous carbon catalysts.

	$S_{\text{BET}}$ / $\text{m}^2 \text{g}^{-1}$	Micropore volume / $\text{cm}^3 \text{g}^{-1}$	Carbon fraction <sup>*1</sup> / $\text{g g}^{-1}_{\text{zeolite}}$	H/C
$\text{SO}_3\text{H-MC}(\text{Imp})$	890 (1300) <sup>*2</sup>	0.36	0.24	0.55
$\text{SO}_3\text{H-MC}(\text{Imp-CVD})$	1150 (1900) <sup>*2</sup>	0.61	0.75	0.21
CCSA	<5 (<5) <sup>*2</sup>	-	-	0.96

\*1 Carbon fraction in each zeolite/carbon composite was calculated from TG-DTA profiles.

\*2 Values in parentheses are BET surface areas of the sample before sulfonation.

## 2. TG curves of carbon-zeolite composite materials.

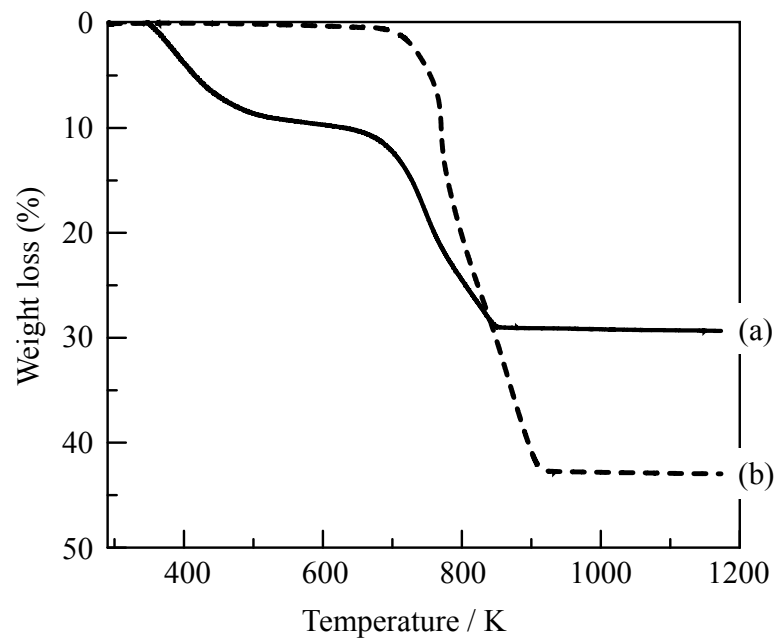
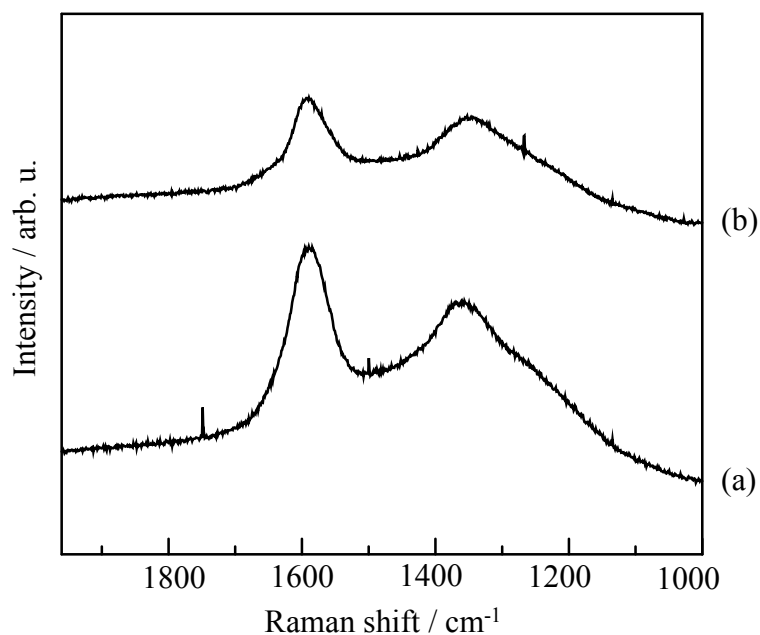


Figure S1. TG curves of (a) MC(Imp) and (b) MC(Imp-CVD) before HF treatment.

## 2. Raman spectra of SO<sub>3</sub>H-bearing microporous catalysts



**Figure S2.** Raman spectra of (a) SO<sub>3</sub>H-MC(Imp) and (b) SO<sub>3</sub>H-MC(Imp-CVD).

Figure S2 shows Raman spectra of SO<sub>3</sub>H-MC(Imp) and SO<sub>3</sub>H-MC(Imp-CVD). Two distinct signals, assignable to the D (1350 cm<sup>-1</sup>, A<sub>1g</sub> D breathing mode) and G bands (1580 cm<sup>-1</sup>, E<sub>2g</sub> G mode), are evident. These signals are typical of amorphous carbon with small graphene sheets.