

Complex relationship between SAPO framework topology, content and distribution of Si and catalytic behaviour in the MTO reaction

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Supporting Information

Table S1. Weight loss assigned to the removal of organic directing agents in TGA analysis of as-synthesized SAPO materials.

Sample	Weight loss TGA (473-1173K)
S35-0.3E	15.5
S35-0.6E	15.5
STA-0.25E	18.2
STA-0.6E	16.6
S42-0.34A	18.8
S42-0.6A	18.7

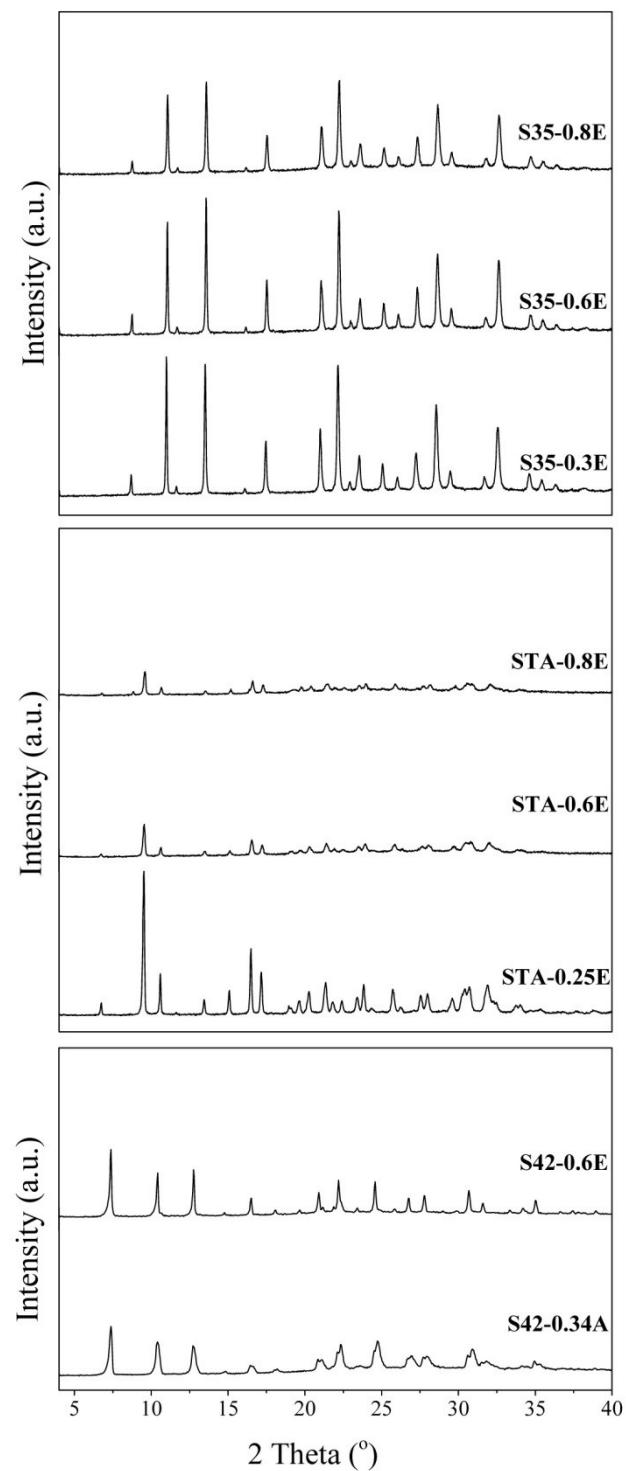
FIGURE S1**Fig.S1.** Powder X-ray diffraction patterns of the calcined SAPO samples.

FIGURE S2

Fig. S2. ^{29}Si CP/MAS NMR spectrum of the sample S42-0.6E after calcination

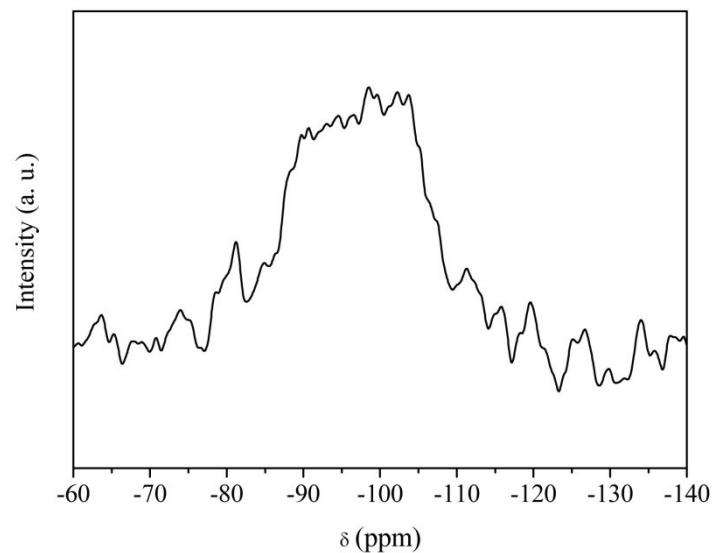


FIGURE S3

Fig. S3. Selectivity to C2-C4 alkanes obtained in the MTO reaction on SAPO catalysts with different topology and Si content.

