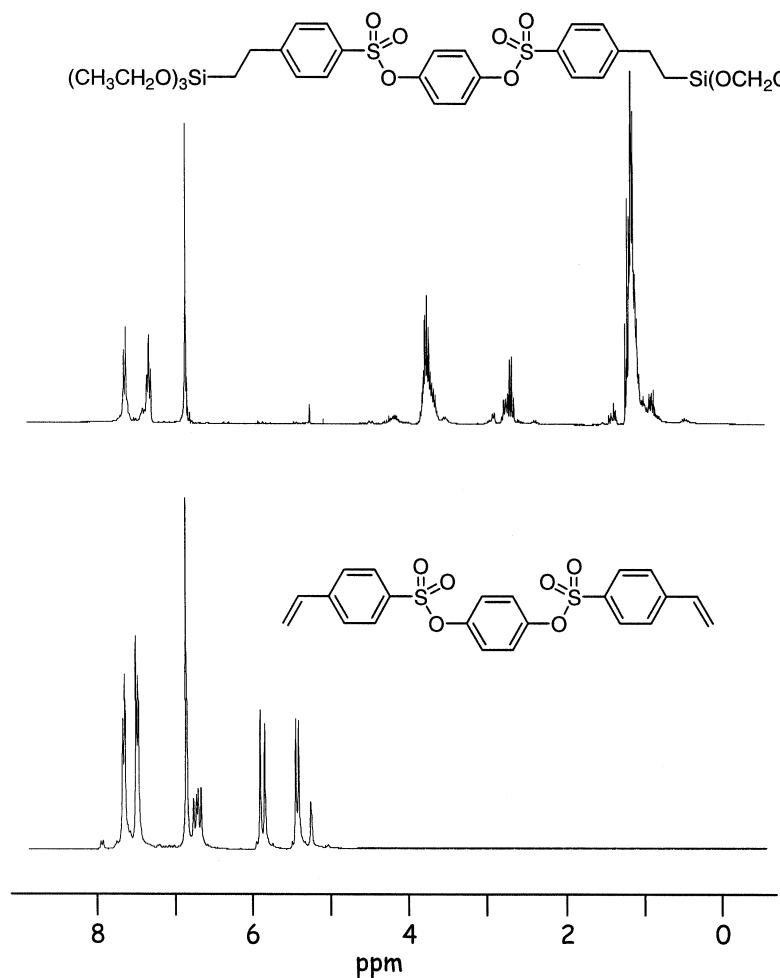


Design of Heterogeneous Catalysts Via Multiple Active Site Positioning in Organic-Inorganic Hybrid Materials

Véronique Dufaud^{*≤} and Mark E. Davis^{*}

Contribution from the Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA 91125 USA.

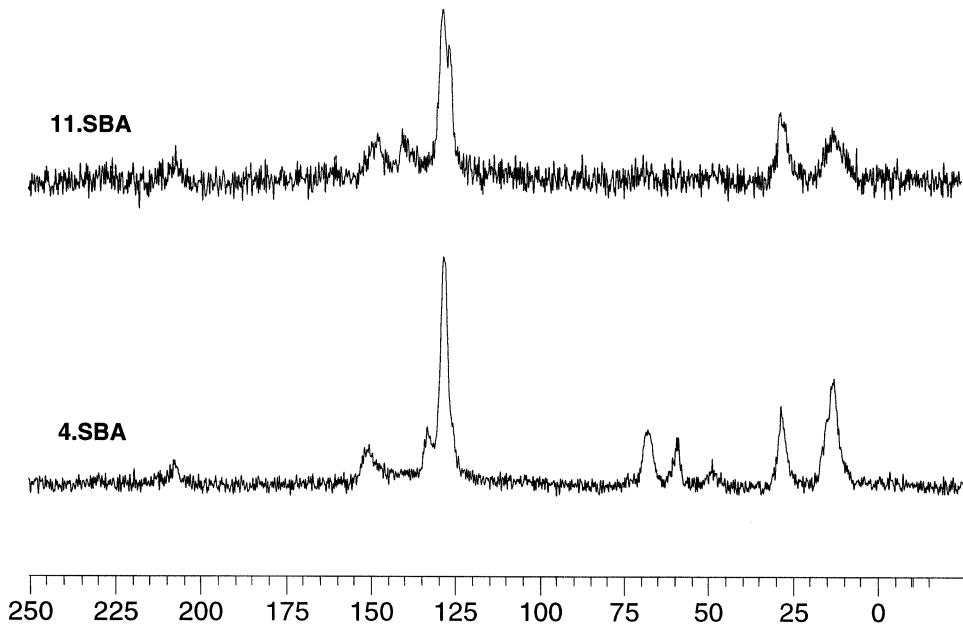
Supporting Information for the Journal of American Chemical Society



¹H NMR (CD₂Cl₂): Hydrosilylation reaction of **5**

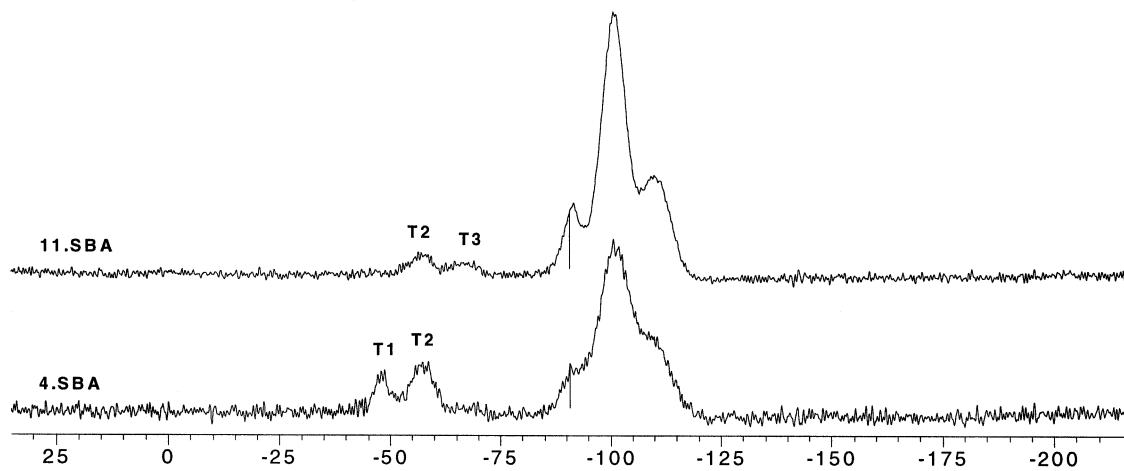
^{*} To whom correspondence should be addressed.

[≤] Present address: Laboratoire de Chimie, Ecole Normale Supérieure de Lyon, 46 allée d'Italie, 69364 Lyon cedex 07, France.



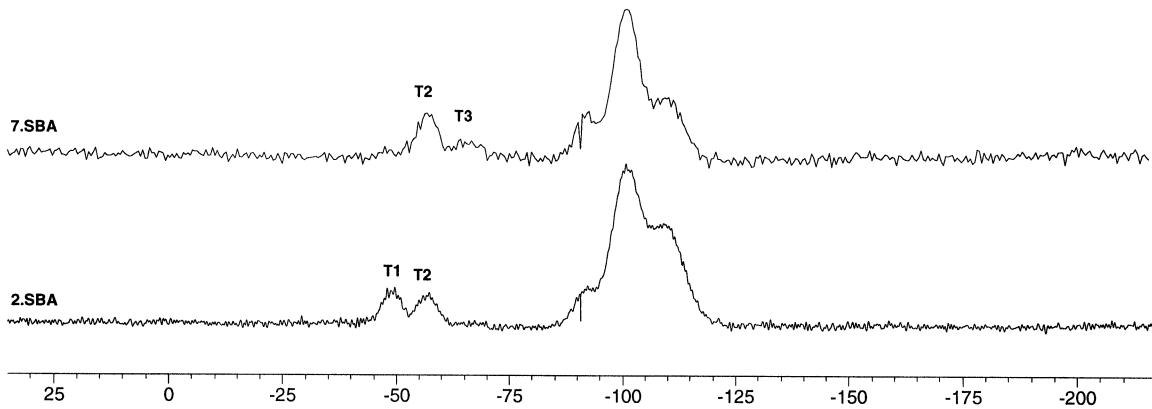
¹³C CP-MAS NMR

Transformation of the sulfonate ester functionalized **4·SBA** to
the sulfonic acid functionalized **11·SBA**



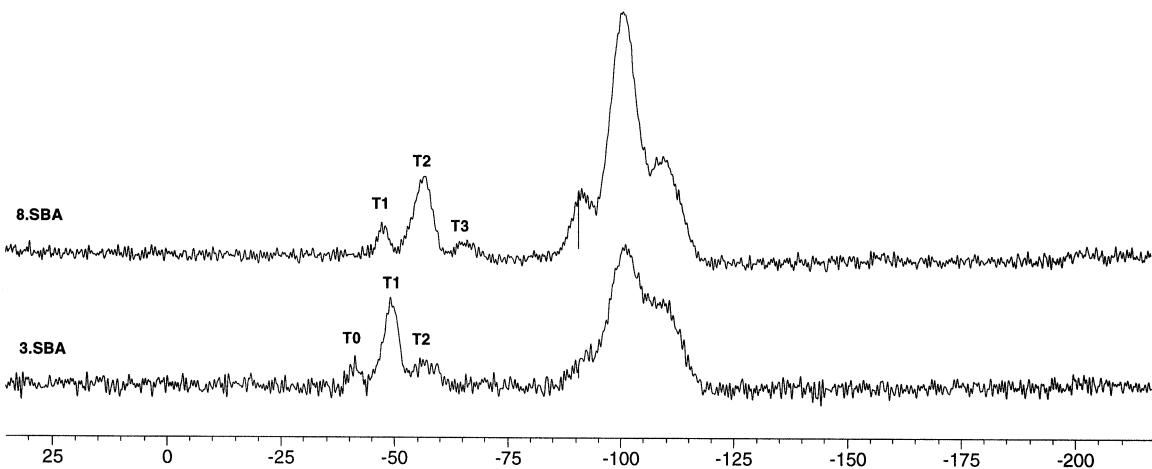
²⁹Si CP-MAS NMR

Transformation of the sulfonate ester functionalized **4·SBA** to
the sulfonic acid functionalized **11·SBA**



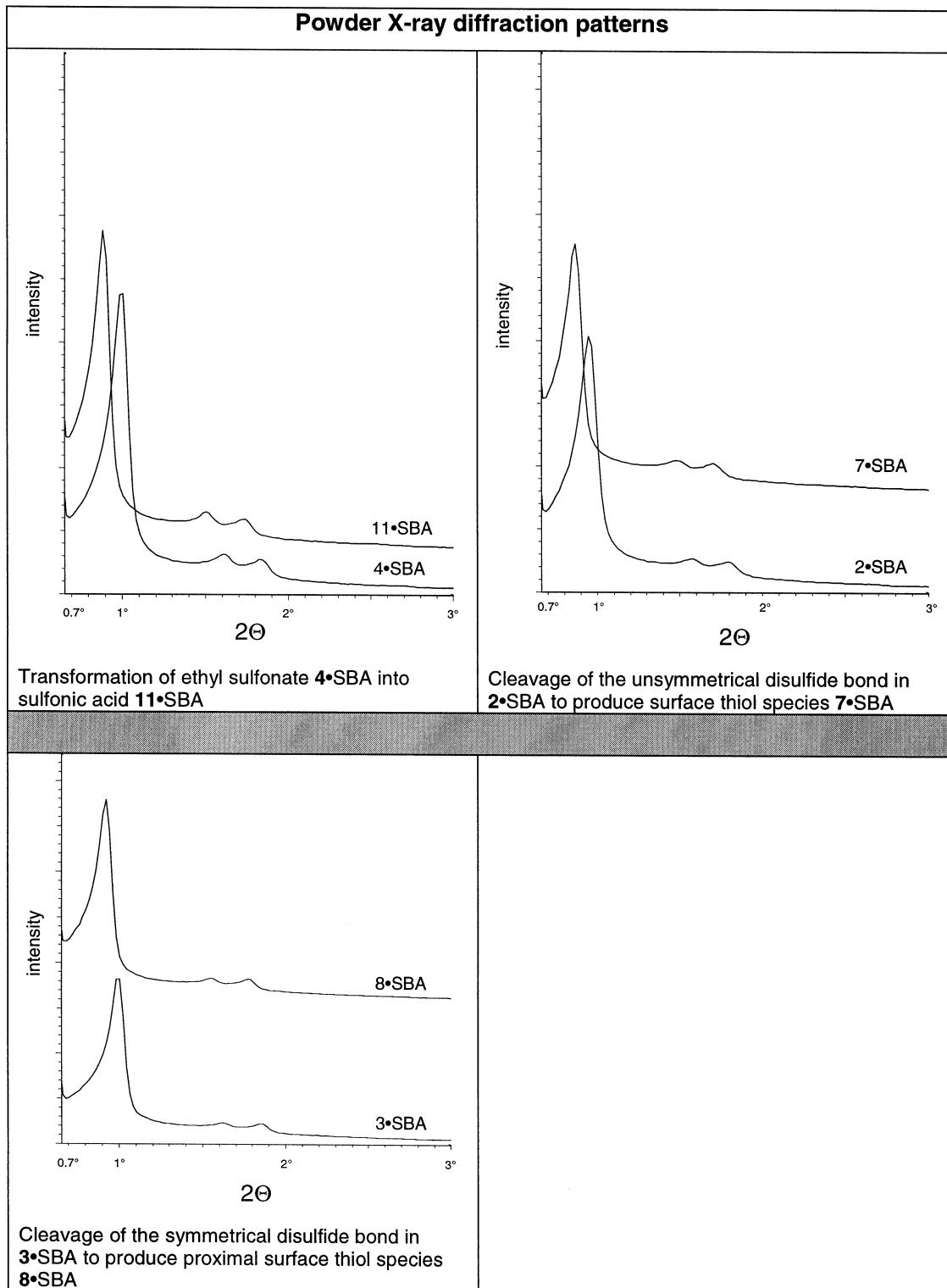
^{29}Si CP-MAS NMR

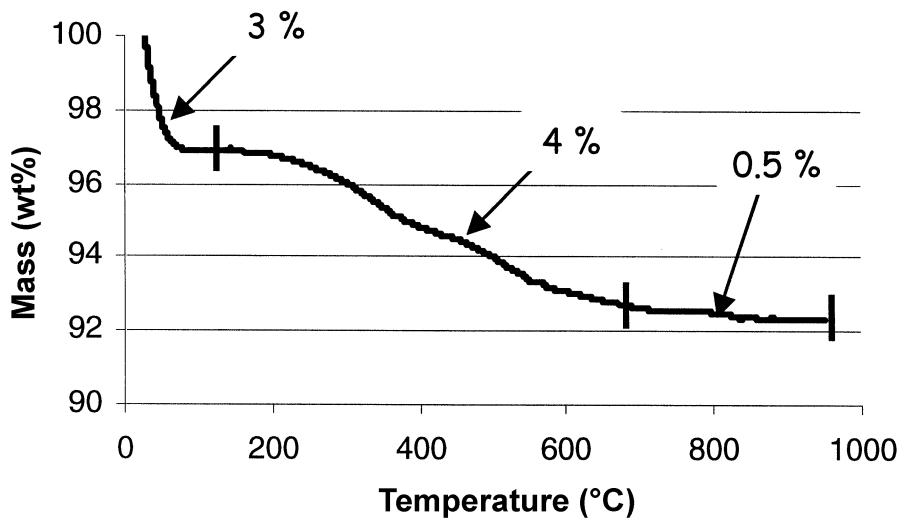
Cleavage of the S-S linkage of the disulfide functionalized **2**·SBA to
the thiol functionalized **7**·SBA



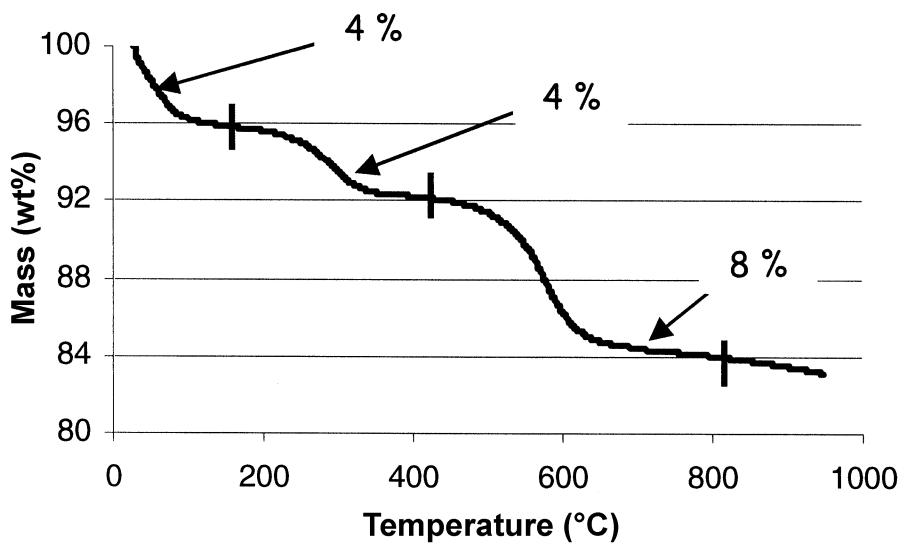
^{29}Si CP-MAS NMR

Cleavage of the S-S linkage of the disulfide functionalized **3**·SBA to
the thiol functionalized **8**·SBA

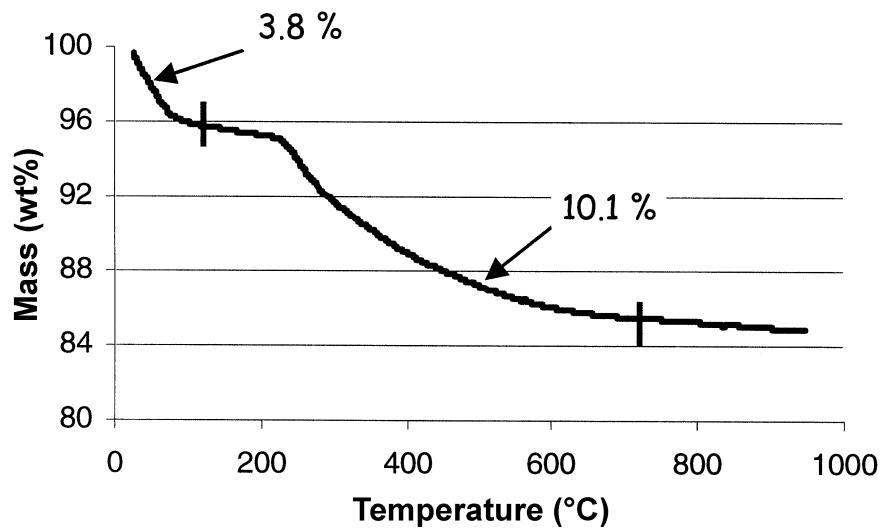




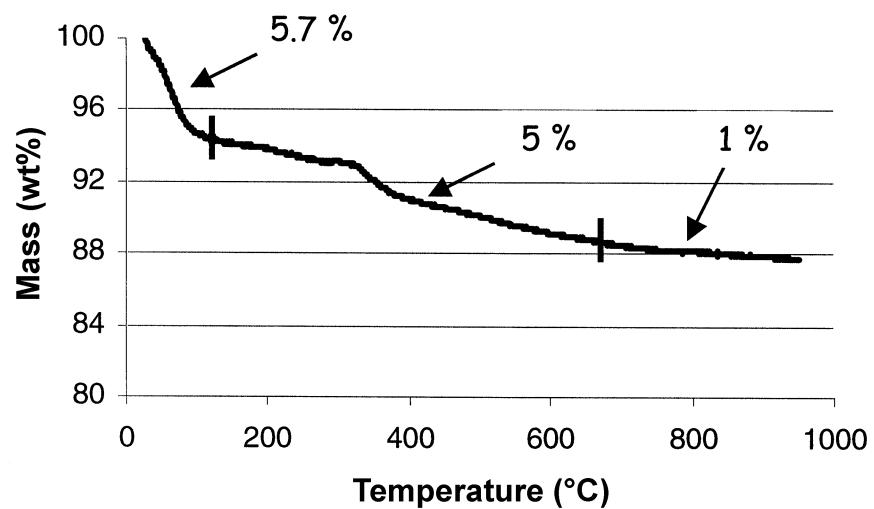
TGA measurement of 1•SBA



TGA measurement of 4•SBA



TGA measurement of 2•SBA



TGA measurement of 3•SBA