

Synthesis and Characterization of Ge,Al-ZSM-5 Made in Alkaline Media

Supporting Information

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Supporting Information

Sample	Si/Ge	Si/Al	Unit Cell Dimensions					
	Mixture	Mixture	a (Å)	b (Å)	c (Å)	α (°)	β (°)	γ (°)
Ge-ZSM-5	10	50	19.84	20.09	13.39	90	90.4	90
Ge-Silicalite-1	10	-	19.91	20.07	13.40	90	90.2	90
ZSM-5	-	50	19.81	20.10	13.39	90	90.4	90
Silicalite-1	-	-	19.83	20.11	13.41	90	90.5	90

Table S1. Unit cell dimensions of the representative zeolite samples with or without germanium

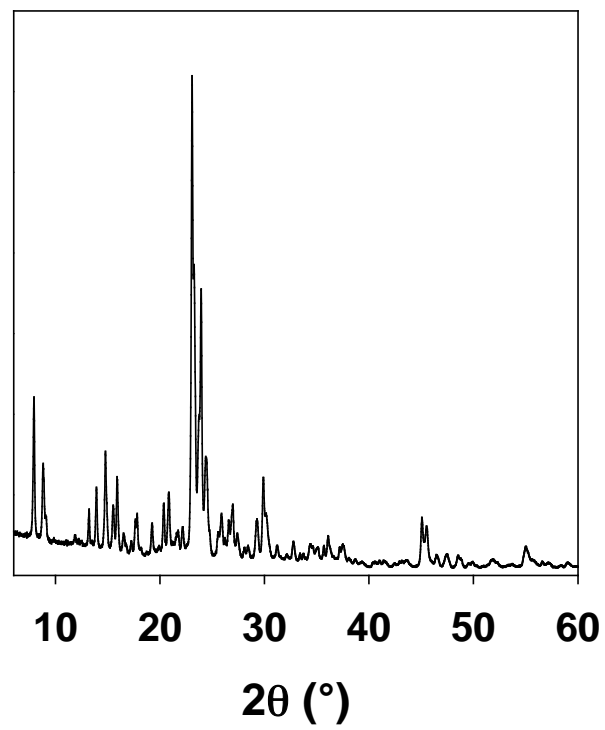


Figure S1. PXRD pattern of Ge-ZSM-5 sample after ion-exchange with NaNO_3 .

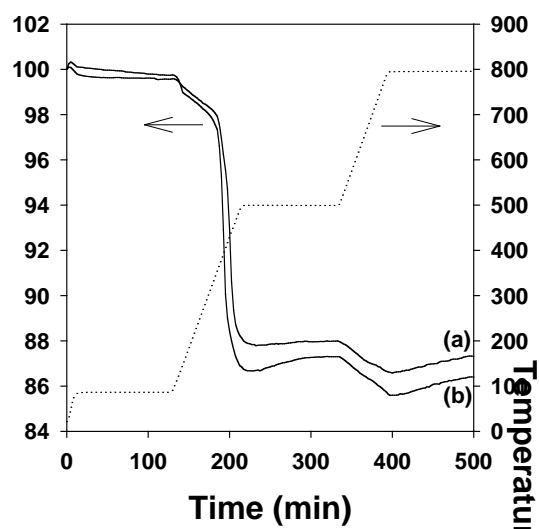


Figure S2. TGA curves for the as-synthesized (a) Ge-Silicalite-1, and (b) Ge-ZSM-5 samples.