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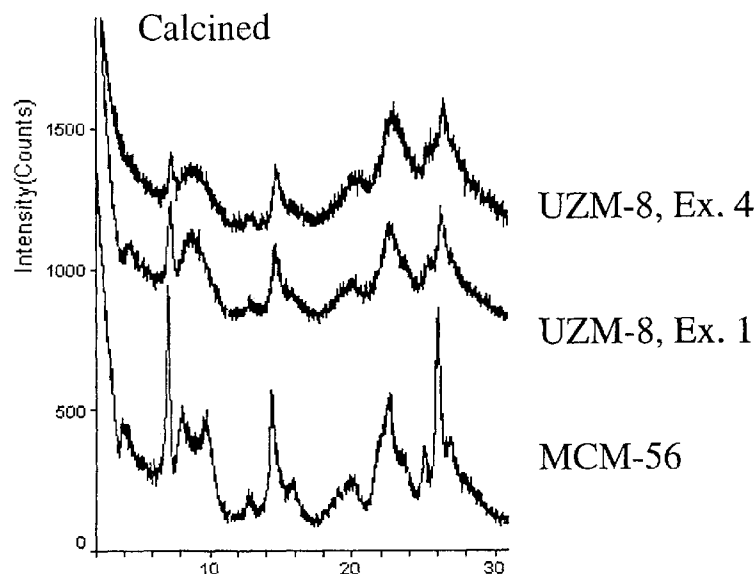
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(54) Title: UZM-8 AND UZM-8HS CRYSTALLINE ALUMINOSILICATE ZEOLITIC COMPOSITIONS AND PROCESSES USING THE COMPOSITIONS



(57) Abstract: A family of microporous aluminosilicate zeolites and substituted versions thereof which are identified as UZM-8 and UZM-8HS have been prepared. These UZM-8 compositions can be prepared using either only one or more organoammonium cations, such as diethyldimethylammonium or ethyltrimethylammonium cations and optionally an alkali and/or an alkaline earth cation as structure directing agents. The UZM-8 compositions are described by an empirical formula of $M_m^{n+}R_r^{p+}Al_{1-x}E_xSi_yO_z$ and have a unique x-ray diffraction pattern. The UZM-8HS are derived from the UZM-8 zeolites and have a lower aluminum content than the UZM-8 compositions. These UZM-8HS are represented by the empirical formula $M'_m{}^{n+}R'_r{}^{p+}Al_{(1-x)}E_xSi_yO_z$ and are prepared by treatments such as acid extraction and AFS treatments. Both the UZM-8 and UZM-8HS are useful in various hydrocarbon conversion processes.



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