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(54) Title: UZM-39 ALUMINOSILICATE ZEOLITE

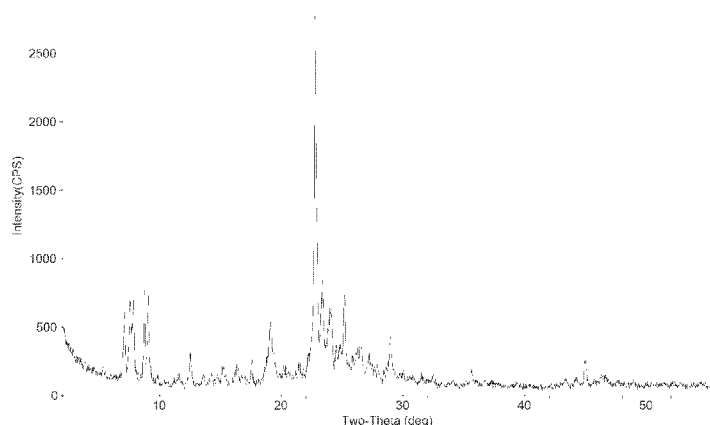


FIG. 1

(57) Abstract: A new family of coherently grown composites of TUN and IMF zeotypes have been synthesized. These zeolites are represented by the empirical formula $\text{Na}_n\text{M}_m^{\text{k}+}\text{T}_t\text{Al}_{1-x}\text{E}_x\text{Si}_y\text{O}_z$ where "n" is the mole ratio of Na to (Al + E), M represents a metal or metals from zinc, Group 1, Group 2, Group 3 and or the lanthanide series of the periodic table, "m" is the mole ratio of M to (Al + E), "k" is the average charge of the metal or metals M, T is the organic structure directing agent or agents, and E is a framework element such as gallium. These zeolites are similar to TNU-9 and IM-5 but are characterized by unique compositions and synthesis procedures and have catalytic properties for carrying out various hydrocarbon conversion processes and separation properties for carrying out various separations.



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