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Catalytic Elimination of Phenol, Organic Pollutant, From Industrial Wastewater on Fe-Zsm-5 Zeolites

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Abstract :

Two series of zeolites, ferrisilicates (based on salts of Fe^{3+}) and ferrocilicates (based on salts of Fe^{2+}) were prepared by hydrothermal synthesis involving direct mineralizing action of methylamine (MA) to introduce the iron isomorphic position. These solids were characterized by various physicochemical techniques (XRD, SEM, BET and chemical analysis by atomic absorption).