

Synthesis of TiO₂ Photocatalysts by Diffusion Reactor and Applications

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TiO₂ nanoparticles were produced by TTIP oxidation reaction inside the diffusion reactor. The primary particle size and morphology were examined by TEM, and the secondary particle size was investigated by ELS. The anatase mass fraction and crystallite size of TiO₂ were measured by XRD. The photocatalysts activities of TiO₂ were tested by photodegradations of phenol and toluene in aqueous solution.