

Industrial Chemistry and Water Treatment

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Catalytic wet air oxidation for water purification

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The generation of hazardous waste waters from a variety of industrial processes poses a serious environmental threat. Catalytic wet air oxidation (CWAO) is a growing economical and environmentally friendly process for the removal of toxic organic compounds found in such wastewater streams. Using a continuous 3-phase trickle bed reactor, this project focuses on the complete oxidation of phenol as model organic pollutant. Of 0.5 (b)-9 (e)-0 6 5D1(p)7 (un)4 s-yaho (a)nsi-9 (e)i trenher route of oxygen from tpfgas phase to the (un)4 s-yahuT*(tface)6.1 (, p)12 (r)13 (o)7 (hi)4 (b)12 (i)12 (t)6 (e)-5 (d b)10 Investigation-6 (h)were c thors treK1,hrreK1,hpre