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Performance with Respect to Flue Gas Composition of a Combined Desulfurization / Denitration Process Using Powder-Particle Fluidized Bed 许光文, 王兵, HironoriSuzuki, KunioKato	本文信息 ▶ <u>Supporting info</u> ▶ <u>PDF</u> (3542KB) ▶ [HTML全文](0KB)
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摘要 A new combined desulfarizatinn/denitraticon (DeSOx/DeNOx) procees was teeted in this study.	▶ <u>把本又推荐给朋友</u> ▶ <u>加入我的书架</u>
The procees uses the so-called powder-particle fluidized bed (PPFB) as the major reactor in which a coarse DeNOx catalyst, several hundrsd micrometers in size, is fluidized by flue gas as the fluidization medium particles while a continuogsly supplied fine DeSOx sorbent, several to tens of micrometers in dianteter, is entrained with the flue gas. Ammonin for NOx reduction is fed to the bottom of the bed, thus, SOx and NOx are simultaneously removed in the single reactor.By adopting a model gas, SO2-NO-HaO-N2-air, to simulate actual flue gas in a laboratory-scale PPFB, simultaneous SO2 and NO removals were explored with respect	 ▶<u>加入引用管理器</u> ▶<u>引用本文</u> ▶<u>Email Alert</u> ▶ 文意反馈
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to various gas components of fluegas. It was found that the vaxiations of SO2 removal with concentrations (fractions) of oxygen, water vapor, SO2 and NO in flue gas are little affected by the simultaneous NOx reduction. However, the dependencies of NO removal upon such gas components are clveely related to the inter-actions between DeSOx sorbent and DeNOx catalyst.	 <u>本刊中 包含"性能"的 相关文章</u> 本文作者相关文章 <u>许光文</u> <u>王兵</u> <u>HironoriSuuki</u> <u>KunioKato</u>

关键词 性能 烟道气 直接脱硫 脱硝工艺 粉粒流化床 SO,/NOx 环境保护

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Key words

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