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Sulfation Kinetics in the Preparation of Cellulose Sulfate

姚善泾

School of Chemical Engineering, Zhejiang University, Hangzhou 310027, China

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摘要 In the established apparatus, the conversion ratios of cellulose sulfation (X) under different sulfation conditions were measured. The range of temperature is from -5 °C to +5 °C, and the H₂SO₄ concentration is from 3.1 mol× L⁻¹ to 4.5 molL⁻¹. The experimental results were used for the establishment of the kinetic model for cellulose sulfation. With the model X values and yield of NaCS Y can be calculated, thus the reaction in accordance with H₂SO₄ concentration was determined to be third order³.

关键词 [kinetic model](#) [cellulose sulfate](#) [microcapsule](#)

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Yao Shanjing

School of Chemical Engineering, Zhejiang University, Hangzhou 310027, China

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Key words [kinetic model](#); [cellulose sulfate](#); [microcapsule](#)

通讯作者:

姚善泾

作者个人主页: 姚善泾

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