

RESEARCH PAPERS

连续相黏度对膜乳化结果的影响

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摘要 Oil-in-water(o/w) emulsions were produced with a membrane emulsification system.

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关键词 [membrane emulsification](#) [viscosity](#) [continuous phase](#)

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Effect of Continuous Phase Viscosity on Membrane Emulsification

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Abstract Oil-in-water(o/w) emulsions were produced with a membrane emulsification system. The effect of the continuous phase viscosity on the emulsification was studied. The theoretical analyses show that the continuous phase viscosity influences not only the flow field of the continuous phase but also the interfacial tension. The droplet size distribution and disperse phase flux for different continuous phase viscosity were investigated experimentally at constant wall shear stress and constant volume flow rate of the continuous phase respectively.

Key words [membrane emulsification](#); [viscosity](#); [continuous phase](#)

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