

Influence of Sinusoidal Taylor Vortex Flow on Polymorphic Nucleation and Phase Transformation of L-histidine in Cooling Crystallization

_____, *
(wskim@khu.ac.kr*)

Couette-Taylor(CT) Couette flow turbulent Taylor vortex flow

Taylor vortex가 elongation , ,

 , gap dimension Elliptical Couette-Taylor(ECT)

 sinusoidal Taylor vortex가 L-histidine 가 ECT

CT (MT) ,

, MT, CT, ECT induction temperature가 ,

MT, ECT, CT . , ECT CT

MT 10~20 . ECT

sinusoidal fluctuation Taylor vortex elongation motion .