## Accepted Manuscript

Numerical and experimental study of spray impingement and liquid film separation during the spray/wall interaction at expanding corners

Yanzhi Zhang, Ming Jia, Huiquan Duan, Pengfei Wang, Jiangxiang Wang, Hong Liu, Maozhao Xie

 PII:
 S0301-9322(17)30843-1

 DOI:
 10.1016/j.ijmultiphaseflow.2018.05.016

 Reference:
 IJMF 2816

To appear in: International Journal of Multiphase Flow



Please cite this article as: Yanzhi Zhang, Ming Jia, Huiquan Duan, Pengfei Wang, Jiangxiang Wang, Hong Liu, Maozhao Xie, Numerical and experimental study of spray impingement and liquid film separation during the spray/wall interaction at expanding corners, *International Journal of Multiphase Flow* (2018), doi: 10.1016/j.ijmultiphaseflow.2018.05.016

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Highlights:

- An improved film separation and atomization model is proposed.
- The "partial separation" process is considered in the improved model.
- The film separation characteristics were experimentally explored.
- Film separations can be strongly influenced by the different corner angles.

Download English Version:

## https://daneshyari.com/en/article/8941970

Download Persian Version:

https://daneshyari.com/article/8941970

Daneshyari.com