

## Accepted Manuscript

Title: Review on hydrodynamics and mass transfer in minichannel wall reactors with gas-liquid Taylor flow

Author: Haase Stefan Murzin Dmitry Yu Salmi Tapio

PII: S0263-8762(16)30149-6  
DOI: <http://dx.doi.org/doi:10.1016/j.cherd.2016.06.017>  
Reference: CHERD 2314



To appear in:

Received date: 18-1-2016  
Revised date: 23-5-2016  
Accepted date: 19-6-2016

Please cite this article as: Stefan, H., Yu, D., Tapio, Salmi Review on hydrodynamics and mass transfer in minichannel wall reactors with gas-liquid Taylor flow, *Chemical Engineering Research and Design* (2016), <http://dx.doi.org/10.1016/j.cherd.2016.06.017>

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

- Literature on hydrodynamics and mass transfer in minichannels is reviewed
- Focus is given to open channel structures
- Available correlations to predict flow Taylor flow characteristics are discussed
- Mass transfer via different routes in Taylor flow mode is analysed in detail
- The interaction of different mass transfer steps in reaction scenarios is studied

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/7006407>

Download Persian Version:

<https://daneshyari.com/article/7006407>

[Daneshyari.com](https://daneshyari.com)