

Incorporating Hydrodynamics into Spatiotemporal Metabolic Models of Bubble Column Gas Fermentation

Xiangang Li¹ (xianganli@umass.edu)
Derek Griffin² (Derek.Griffin@lanzatech.com)
Xueliang Li² (Bruce.Li@lanzatech.com)
Michael A. Henson^{1*} (mhenson@umass.edu)

¹Department of Chemical Engineering and Institute for Applied Life Sciences
University of Massachusetts
Amherst, MA 01003 USA

²LanzaTech Inc.
Skokie, IL 60077 USA

*To whom correspondence should be sent: 240 Thatcher Way, Life Science Laboratories
Building, University of Massachusetts, 413-545-3481, mhenson@umass.edu

Published in Biotechnology and Bioengineering, 116(1), 28-40, doi: 10.1002/bit.26848 (2019)

Following publication, an error was identified in the equation for calculating gas holdups in the MATLAB codes used in the paper. This error leads to overprediction of the gas holdup. The error has been corrected and all results have been regenerated. The corrected results are contained in this zip file along with the corrected codes for the *Clostridium ljungdahlii* case study. While the numerical results have changed, correction of this error has not changed any of the major results or conclusions of the study.