

Dr. Michael Biermann

Alumni

Publications

Biermann M, Bardl B, Vollstädt S, Linnemann J, Knüpfer U, Seidel G, Horn U (2013) Simultaneous analysis of the non-canonical amino acids norleucine and norvaline in biopharmaceutical-related fermentation processes by a new ultra-high performance liquid chromatography approach. *Amino Acids* 44(4), 1225-1231.

[Details](#)



Biermann M, Linnemann J, Knüpfer U, Vollstädt S, Bardl B, Seidel G, Horn U (2013) Trace element associated reduction of norleucine and norvaline accumulation during oxygen limitation in a recombinant *Escherichia coli* fermentation. *Microb Cell Fact* 12, 116.

[Details](#)



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