Absolute quantitative multi-omics characterization of specific growth rate-dependent metabolism of Escherichia coli = Absoluutselt kvantitatiivsetel oomikameetoditel põhinev kasvuerikiirusest sõltuva Escherichia coli metabolismi kirjeldamine
Valgepea, Kaspar 2014 https://digi.lib.ttu.ee/i/?1089

Advanced continuous cultivation methods for systems microbiology
Adamberg, Kaarel; Valgepea, Kaspar; **Vilu, Raivo** Microbiology 2015 / p. 1707-1719 : ill http://dx.doi.org/10.1099/mic.0.000146

Comparison and applications of label-free absolute proteome quantification methods on Escherichia coli
Arike, Liisa; **Valgepea, Kaspar**; Peil, Lauri; **Nahku, Ranno**; **Adamberg, Kaarel**; **Vilu, Raivo** Journal of proteomics 2012 / p. 5437-5448 : ill https://pubmed.ncbi.nlm.nih.gov/22771841/

Coordinated activation of PTA-ACS and TCA cycles strongly reduces overflow metabolism of acetate in Escherichia coli
Peebo, Karl; **Valgepea, Kaspar**; **Nahku, Ranno**; **Riis, Gethe**; **Õun, Mikk**; **Adamberg, Kaarel**; **Vilu, Raivo** Applied microbiology and biotechnology 2014 / p. 5131-5143 : ill

Decrease of energy spilling in Escherichia coli continuous cultures with rising specific growth rate and carbon wasting
Valgepea, Kaspar; **Adamberg, Kaarel**; **Vilu, Raivo** BMC systems biology 2011 / p. 106 https://pubmed.ncbi.nlm.nih.gov/21726468/

Escherichia coli achieves faster growth by increasing catalytic and translation rates of proteins
Valgepea, Kaspar; **Adamberg, Kaarel**; Seiman, Andrus; **Vilu, Raivo** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Escherichia coli achieves faster growth by increasing catalytic and translation rates of proteins
Valgepea, Kaspar; **Adamberg, Kaarel**; Seiman, Andrus; **Vilu, Raivo** Molecular biosystems 2013 / p. 2344-2358 : ill

Lean-proteome strains - next step in metabolic engineering
Valgepea, Kaspar; **Peebo, Karl**; **Adamberg, Kaarel**; **Vilu, Raivo** Frontiers in bioengineering and biotechnology 2015 / p. 1-4 http://dx.doi.org/10.3389/fbioe.2015.00011

Proteome reallocation in Escherichia coli with increasing specific growth rate
Peebo, Karl; Valgepea, Kaspar; **Maser, Andres**; Nahku, Ranno; **Adamberg, Kaarel**; **Vilu, Raivo** Molecular biosystems 2015 / p. 1184-1193 : ill http://dx.doi.org/10.1039/c4mb00721b

Quasi steady state growth of Lactococcus lactis in glucose-limited acceleration stat (A-stat) cultures
Adamberg, Kaarel; **Lahtvee, Petri-Jaan**; **Valgepea, Kaspar**; **Abner, Kristo**; **Vilu, Raivo** Antonie van Leeuwenhoek 2009 / 3, p. 219-226 https://pubmed.ncbi.nlm.nih.gov/19184516/

Specific growth rate dependent transcriptiome profiling of Escherichia coli K12 MG1655 in accelerostat cultures
Nahku, Ranno; **Valgepea, Kaspar**; **Lahtvee, Petri-Jaan**; **Erm, Sten**; **Abner, Kristo**; **Adamberg, Kaarel**; **Vilu, Raivo** Journal of biotechnology 2010 / 1, p. 60-65

Steady state growth space study of Lactococcus lactis in D-stat cultures
Lahtvee, Petri-Jaan; **Valgepea, Kaspar**; **Nahku, Ranno**; **Abner, Kristo**; **Adamberg, Kaarel**; **Vilu, Raivo** Antonie van Leeuwenhoek 2009 / 4, p. 487-496

Stock culture heterogeneity rather than new mutational variation complicates short-term cell physiology studies of Escherichia coli K-12 MG1655 in continuous culture
Nahku, Ranno; **Peebo, Karl**; **Valgepea, Kaspar**; Barrick, Jeffrey E.; **Adamberg, Kaarel**; **Vilu, Raivo** Microbiology 2011 / p. 2604-2610

Systems biology approach reveals that overflow metabolism of acetate in Escheria coli is triggered by carbon catabolite repression of acetyl-CoA synthetase
Valgepea, Kaspar; **Adamberg, Kaarel**; Nahku, Ranno; Lahtvee, Petri-Jaan; Arike, Liisa; **Vilu, Raivo** BMC systems biology 2010 / p. 166