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 https://doi.org/10.1099/mic.0.000146 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 https://doi.org/10.1007/s00253-014-5613-y Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Corrigendum to: "Comparison and applications of label-free absolute proteome quantification methods on Escherichia coli" [J Proteomics 75 (17) (2012) 5437-5448]
Arike, Liisa; **Valgepea, Kaspar**; Peil, Lauri; **Nahku, Ranno**; **Adamberg, Kaarel**; **Vilu, Raivo** Journal of Proteomics 2013 / p. 619 https://doi.org/10.1016/j.jprot.2013.07.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 https://doi.org/10.1039/c3mb70119k Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Integrating gene and protein expression data with genome-scale metabolic networks to infer functional pathways
Pey, Jon; **Valgepea, Kaspar**; Rubio, Angel; Beasley, John E; Planes, Francisco Javier BMC Systems Biology 2013 / art. 134 https://doi.org/10.1186/1752-0509-7-134 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 https://doi.org/10.3389/fbioe.2015.00011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 https://doi.org/10.1039/c4mb00721b Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 https://www.sciencedirect.com/science/article/pii/S0168165609004726

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 https://pubmed.ncbi.nlm.nih.gov/19603284/

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 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3352173/

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 https://pubmed.ncbi.nlm.nih.gov/21122111/