

Comparison of stability of glutathione and related synthetic tetrapeptides by HPLC and capillary electrophoresis

Mahlapuu, Riina; Vaher, Merike; Ehrlich, Kersti; **Kaljurand, Mihkel;** Soomets, Ursel Journal of peptide science 2006 / 12, p. 796-799 : ill

Dimerisation of glutathione analogues in the presence of cellular redox cycle enzymes

Mahlapuu, Riina; **Vaher, Merike;** Ida, Katrin; Viirald, Sade; **Kaljurand, Mihkel;** Soomets, Ursel NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 112

Glutathione accumulation in ethanol-stat fed-batch culture of *Saccharomyces cerevisiae* with a switch to cysteine feeding

Nisamedtinov, Ildar; Kevvai, Kaspar; **Orumets, Kerti;** Rautio, Jari; **Paalme, Toomas** Applied microbiology and biotechnology 2010 / 1, p. 175-183 : ill https://www.researchgate.net/publication/41850043_Glutathione_accumulation_in_ethanol-stat_fed-batch_culture_of_Saccharomyces_cerevisiae_with_a_switch_to_cysteine_feeding

Glutatiooni analoogide mõju raku redokstsükli ensüümide aktiivsusele

Mahlapuu, Riina; **Vaher, Merike;** Ida, Katrin; Soomets, Ursel XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 52

Investigation of endogenous antioxidants and their synthetic analogues by capillary electrophoresis = Endogeensete antioksidantide ja nende sünteetiliste analoogide uurimine kapillaarelektroforeesi meetodil

Kazarjan, Jana 2016 https://www.ester.ee/record=b4535586*est

Investigation of the surfactant type and concentration effect on the retention factors of glutathione and its analogues by micellar electrokinetic chromatography

Kazarjan, Jana; Mahlapuu, Riina; Hansen, Mats; Soomets, Ursel; **Kaljurand, Mihkel; Vaher, Merike** Journal of separation science 2015 / p. 3461-3468 : ill <https://doi.org/10.1002/jssc.201500567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metabolic changes underlying the higher accumulation of glutathione in *Saccharomyces cerevisiae* mutants

Nisamedtinov, Ildar; Kevvai, Kaspar; **Orumets, Kerti;** Arike, Liisa; **Sarand, Inga;** Korhola, Matti; **Paalme, Toomas** Applied microbiology and biotechnology 2011 / 4, p. 1029-1037 : ill <https://pubmed.ncbi.nlm.nih.gov/21052993/>

Metabolic changes underlying the higher accumulation of glutathione in *saccharomyces cerevisiae* mutants

Orumets, Kerti; Nisamedtinov, Ildar; Kevvai, Kaspar; **Arike, Liisa; Sarand, Inga;** Korhola, Matti; **Paalme, Toomas** Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010 2010 / p. 112 <https://pubmed.ncbi.nlm.nih.gov/21052993/>

Molecular mechanisms controlling intracellular glutathione levels in baker's yeast *Saccharomyces cerevisiae* and a random mutagenized glutathione over-accumulating isolate = Rakusisesed glutatiooni taset kontrollivad molekulaarsed mehhanismid pagaripärmis *Saccharomyces cerevisiae* ja selle juhuslikul mutageneesil saadud glutatiooni üleakumuleerivas isolaadis

Orumets, Kerti 2012 https://www.ester.ee/record=b2931326*est

Monitoring the redox cycle of low-molecular peptides using a modified target plate in MALDI-MS

Borissova, Maria; Mahlapuu, Riina; **Vaher, Merike** Talanta 2010 / p. 274-280 <https://pubmed.ncbi.nlm.nih.gov/21035675/>

Multilevel control of GSH accumulation in mutant and wild-type Strains of *S. cerevisiae* under conditions of smooth cysteine addition

Nisamedtinov, Ildar; Orumets, Kerti; Kevvai, Kaspar; Viirald, Ene; **Sarand, Inga; Paalme, Toomas** IBIC 2010 : 2nd International Conference on Industrial Biotechnology : April 11-14, 2010, Padua, Italy 2010 / p. 91-96 <https://www.aidic.it/cet/10/20/016.pdf>

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Nisamedtinov, Ildar Horisont 2012 / lk. 44-47 : ill https://artiklid.elnet.ee/record=b2490068*est

Quantitative omics-level analysis of growth rate dependent energy metabolism in *Lactococcus lactis* = Kvantitatiivsetel oomika-meetoditel põhinev kasvuerikiirusest sõltuv *Loctococcus lactis*'e energiametabolismi analüüs

Lahtvee, Petri-Jaan 2012 https://www.ester.ee/record=b2931362*est

Separation of glutathione and its novel analogues and determination of their dissociation constants by capillary electrophoresis

Kazarjan, Jana; Vaher, Merike; Mahlapuu, Riina; Hansen, Mats; Soomets, Ursel; **Kaljurand, Mihkel** Electrophoresis 2013 / p. 1820-1827 : ill <https://doi.org/10.1002/elps.201200611> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

YAP1 over-expression in *Saccharomyces cerevisiae* enhances glutathione accumulation at its biosynthesis and

substrate availability levels

Orumets, Kerti; Kevvai, Kaspar; Nisamedtinov, Ildar; Tamm, Tiina; Paalme, Toomas Biotechnology journal 2012
<https://pubmed.ncbi.nlm.nih.gov/22009669/>