

Adaptastat - a new method for optimising of bacterial growth conditions in continuous culture : interactive substrate limitation based on dissolved oxygen measurement

Tomson, Katrin; Barber, Jill; **Vanatalu, Kalju** Journal of microbiological methods 2006 / 3, p. 380-390 : ill
<https://pubmed.ncbi.nlm.nih.gov/15992952/>

Automatic fed-batch cultivation for economic in vivo isotopic labeling

Vanatalu, Kalju; Tsanev, Robert Journal of biotechnology 2008 / Suppl. 1, p. S512-S513
<https://ru.article.sk/book/24372689/ef131e/automatic-fedbatch-cultivation-for-economic-in-vivo-isotopic-labeling.html>

Characterization of protein-protein interfaces in large complexes by solid-state NMR solvent paramagnetic relaxation enhancements

Öster, Carl; Kosol, Simone; Hartmüller, Christoph; Lamley, Jonathan M.; Iuga, Dinu; **Oss, Andres; Org, Mai-Liis; Vanatalu, Kalju; Samoson, Ago;** Madl, Tobias; Lewandowski, Jozef R. Journal of the American Chemical Society 2017 / p. 12165-12174 : ill
<https://doi.org/10.1021/jacs.7b03875> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Computer-controlled fed-batch of methylotrophic yeast in deuterated media

Vanatalu, Kalju 213th American Chemical Society National Meeting. Division of Biochemical Technology, April 13-17, 1997, San Francisco, California : abstracts 1997 / paper no. 253

Dehydration of AIPO4-34 studied by variable-temperature NMR, XRD and first-principles calculations

Varlec, Jure; Krajnc, Andraž; **Vanatalu, Kalju; Oss, Andres; Samoson, Ago** New journal of chemistry 2016 / p. 4178-4186 : ill
<https://doi.org/10.1039/c5nj02838h> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Escherichia coli kultiveerimine raskel veel

Vanatalu, Kalju EMS 96 teaduskonverents, 6.-7. juuni 1996, Tallinn = EMS 96 Scientific Conference, 6-7 June 1996, Tallinn 1996 / [1] p

Fed-batch cultivation of microbial cells in heavy water

Vanatalu, Kalju 8th European Congress on Biotechnology, August 17-21, 1997, Budapest : book of abstracts 1997 / p. 293, WE4441

Fed-batch growth of auxotrophic E. coli in fully deuterated medium

Vanatalu, Kalju International Union of Microbiological Societies, IUMS Congress '96. 8th International Congress of Bacteriology and Applied Microbiology Division. 8th International Congress of Mycology Division, Jerusalem, Israel, Aug. 18-23, 1996 : abstracts 1996 / p. 14

In vivo deuteration of transfer RNAs : overexpression and large-scale purification of deuterated specific tRNAs

Jünemann, R.; Wadzack, J.; Triana-Alonso, F.J.; Bittner, J.-U.; Caillet, J.; Meinel, T.; **Vanatalu, Kalju;** Nierhaus, K.H. Nucleic acids research 1996 / 5, p. 907-913

Maximum entropy reconstruction of joint [phi], [psi]-distribution with a coil-library prior : the backbone conformation of the peptide hormone motilin in aqueous solution from [phi] and [psi]-dependent J-couplings

Massad, Tariq; Jarvet, Jüri; Tanner, Risto; **Tomson, Katrin; Smirnova, Julia; Palumaa, Peep;** Sugai, Mariko; Kohno, Toshiyuki; **Vanatalu, Kalju;** Damberg, Peter Journal of biomolecular NMR 2007 / 2, p. 107-123
https://www.researchgate.net/publication/6369716_Maximum_entropy_reconstruction_of_joint_phi-psi-distribution_with_a_coil-library_prior_The_backbone_conformation_of_the_peptide_hormone_motilin_in_aqueous_solution_from_phi_and_psi-dependent_J-couplings

Microbial biosensors

Vanatalu, Kalju Biosensors : shedule abstracts and notes Ph.D. Course, 20-24 Nov. 1995 / University of Copenhagen, The Danish Natural Sciences Academy 1995 / p. 50-55

NMR assignment of methyl groups in immobilized proteins using multiple-bond ¹³C homonuclear transfers, proton detection, and very fast MAS

Paluch, Piotr; Augusyniak, Rafal; **Org, Mai-Liis; Vanatalu, Kalju; Kaldma, Ats; Samoson, Ago;** Stanek, Jan Frontiers in Molecular Biosciences 2022 / Art. 828785 <https://doi.org/10.3389/fmolb.2022.828785> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of processes of microbial biosynthesis of isotopically labeled biomolecules and their complexes

Vanatalu, Kalju 1999 http://www.ester.ee/record=b1273061*est

Perspectives of using biosensors in fermentation

Vanatalu, Kalju Biosensors : shedule abstracts and notes Ph. D. Course, 20-24 Nov. 1995 / University of Copenhagen, The Danish Natural Sciences Academy 1995 / p. 126-131

Phase transformations in porous materials studied by in situ solid-state NMR spectroscopy and in situ X-ray diffraction

Paula, Carolin; Wissner, Dorothea; Rangus, Mojca; **Vanatalu, Kalju; Oss, Andres; Org, Mai-Liis; Samoson, Ago;** Hartmann, M. The

journal of physical chemistry C 2020 / p. 19136–19145 : ill <https://doi.org/10.1021/acs.jpcc.0c05921> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Production of labelled recombinant proteins in fed-batch system in Escherichia coli = Märgistatud rekombinantsete valkude tootmine Escherichia coli fed-batch süsteemides

Tomson, Katrin 2007 https://www.eester.ee/record=b2324657*est

The growth rate control in Escherichia coli at near to maximum growth rates : the A-stat approach

Paalme, Toomas; Elken, R.; Kahru, Anne; Vanatalu, Kalju; Vilu, Raivo Antonie van Leeuwenhoek journal of microbiology 1997 / p. 217-230: ill

The repressor domain of Gli3, a transcription factor of Hedgehog signaling pathway, is intrinsically disordered

Tsanev, Robert; Tanner, Risto; Jarvet, Jüri; Osterlund, Torben; Vanatalu, Kalju; Kogerman, Priit VIII European Symposium of the Protein Society : Zurich, June 14-18, 2009 2009 / ? p

The transcriptional repressor domain of Gli3 is intrinsically disordered

Tsanev, Robert; Vanatalu, Kalju; Jarvet, Jüri; Tanner, Risto; Laur, Kristi; Tiigimägi, Piret; Kragelund, Birthe B.; Østerlund, Torben; Kogerman, Priit PLoS ONE 2013 / art. e76972 <https://doi.org/10.1371/journal.pone.0076972> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Биосинтез циклодекстринглюканотрансферазы при культивировании Bacillus macerans на различных питательных средах

Peipman, Elsa; Vanatalu, Kalju; Kirme, M. Tallinna Tehnikaülikooli Toimetised 1991 / lk. 58-68: ill

Характеристика ферментного комплекса Bacillus macerans и применение его при получении циклодекстринов. 7, Изучение роста Bacillus macerans и биосинтеза ЦГТ-азы

Peipman, Elsa; Vanatalu, Kalju Tallinna Tehnikaülikooli Toimetised 1990 / lk. 28-36