

A practical asymmetric synthesis of R- and S-homocitric acid

Eek, Margus; Jäälaid, Raissa; **Laos, Marit; Paju, Anne; Lopp, Margus** International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 84

Allene oxide synthase-lipoxygenase pathway in coral stress response = Alleenoksiidi süntaas-lipoksügenaasi rada korallide stressivastuses

Lõhelaid, Helike 2015 <https://digi.lib.ttu.ee/ii/?1870> https://www.ester.ee/record=b4446782*est

Biosynthesis of CGT by Bacillus macerans

Vokk, Raivo; Peipman, Elsa; Krosing, Valve Carbohydrates 1989 : abstracts of the Vth European Carbohydrate Symposium ;August 21-25, 1989, Prague, Czechoslovakia 1989 / p. 39

Biosynthesis of dextran and complexation with FeCl₃ for preparation of antianemic complexes

Rae, K.; Kumar, J.; **Külm, I.; Kreen, Malle** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 129

Biosynthesis of prostaglandins in invertebrates : National Prize 2002

Samel, Nigulas Annual review : 2001 / Institute of Chemistry at Tallinn Technical University 2002 / p. [7-8]

Bitsükloheptaanist asabitsükloheptaanini : [ettekanne 14. okt. 2011 Eesti TA korraldatud akadeemik Paul Kogermani 120. sünniaastapäevale ja akadeemik Ülo Lille 80. sünnipäevale pühendatud seminaril "Orgaaniline-bioorgaaniline süntees"]
Kanger, Tõnis Tallinna Tehnikaülikooli aastaraamat 2011 2012 / lk. 233-236 : fot

A catalase-related hemoprotein in coral is specialized for synthesis of short-chain aldehydes : discovery of P450-type hydroperoxide lyase activity in a catalase

Teder, Tarvi; Lõhelaid, Helike; Boeglin, William E.; Calcutt, Wade M.; Brash, Alan R.; **Samel, Nigulas** Journal of biological chemistry 2015 / p. 19823-19832 : ill <http://dx.doi.org/10.1074/jbc.M115.660282>

Chimeric allene oxide synthase- lipoxygenase fusion proteins

Lõhelaid, Helike; Samel, Nigulas 14th International PhD Symposium: "Overcoming Chaos- Networks in Life Sciences" 24-28.10.2012, Heidelberg, Germany 2012

Cocksfoot mottle virus : the genome organisation and translational strategies

Tamm, Tiina 2000 http://www.ester.ee/record=b1060777*est

Dekstraani biosüntees ja sidumine FeCl₃-ga aneemiavastaste komplekside saamiseks

Rae, K.; Kumar, J.; **Külm, I.; Kreen, Malle** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 118

Endoperoxide pathway in prostaglandin biosynthesis in the soft coral *Gersemia fruticosa*

Varvas, Külliki; Koljak, Reet; **Järving, Ivar; Pehk, Tõnis;** Samel, Nigulas Tetrahedron letters 1994 / 44, p. 8267-8270

Enzymatic oxidation of arachidonic acid in the coral *Gersemia fruticosa*

Varvas, Külliki 1999 http://www.ester.ee/record=b1273068*est

Evidence of a cyclooxygenase-related prostaglandin synthesis in coral

Varvas, Külliki; Järving, Ivar; Koljak, Reet; Valmsen, Karin; Brash, Alan R.; Samel, Nigulas Journal of biological chemistry 1999 / 15, p. 9923-9929

High efficiency cell-free protein biosynthesis

Shinke, Yu.; Tikhomirova, L.; Ludriks, M.; Stengrevits, O. Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 40

Hydrocarbons - source for organic acid biosynthesis

Karklin, R. Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 34

New insights on bioactivities and biosynthesis of flavonoid glycosides

Yang, Bao; Liu, Huiling; Yang, Jiali; **Gupta, Vijai Kumar;** Jiang, Yueming Trends in food science & technology 2018 / p. 116-124 : ill <https://doi.org/10.1016/j.tifs.2018.07.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel fatty acid dioxygenases from the corals *Plexaura homomalla* and *Gersemia fruticosa*

Koljak, Reet 2001 https://www.ester.ee/record=b1551345*est

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

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

Prostaglandiinide biosüntees korallides

Samel, Nigulas; Järving, Ivar; Varvas, Külliki; Koljak, Reet; Pehk, Tõnis Eesti Teaduste Akadeemia aastaruanne 1994 1995 / lk. 54-55

Prostaglandiinide biosüntees korallides : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööle

Samel, Nigulas Tallinna Tehnikaülikooli aastaraamat 2001 2003 / lk. 184-192 : ill

Prostaglandiinide biosüntees korallides

Samel, Nigulas; Varvas, Külliki; Koljak, Reet; Järving, Ivar; Pehk, Tõnis XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 125-127

Prostaglandiinide biosüntees punavetikates

Varvas, Külliki; Hansen, Kristella; Kasvandik, Sergio XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 106

Prostaglandin synthesis in marine arthropods and red algae = Prostaglandiinide süntees mere lüljalgsetes ja punavetikates

Hansen, Kristella 2015 https://www.ester.ee/record=b4442497*est

Prostaglandin synthesis in the coral Plexaura homomalla : control of prostaglandin stereochemistry at carbon 15 by cyclooxygenases

Valmsen, Karin; Samel, Nigulas 2007 https://www.ester.ee/record=b2315934*est

Structural and functional insights into the reaction specificity of catalase-related hydroperoxide lyase : a shift from lyase activity to allene oxide synthase by site-directed mutagenesis

Teder, Tarvi; Lõhelaid, Helike; Samel, Nigulas PLoS ONE 2017 / art. e0185291, p. 1-18 : ill

<https://doi.org/10.1371/journal.pone.0185291>

Teaduspreemia keemia ja molekulaarbioloogia alal tööde tsükli "Prostaglandiinide biosüntees selgrootutes" eest :

Nigulas Samel (kollektiivi juht), Ivar Järving, Reet Koljak, Karin Valmsen, Külliki Varvas

Samel, Nigulas; Järving, Ivar; Koljak, Reet; Valmsen, Karin; Varvas, Külliki Eesti Vabariigi teaduspreemiad 2002 2002 / lk. 30-40 : portr., ill

The IRE1 α inhibitor KIRA6 blocks Leukotriene Biosynthesis in human phagocytes

Tang, Xiao; Teder, Tarvi; Samuelsson, Bengt; Haeggström, Jesper Z. Frontiers in pharmacology 2022 / art. 806240

<https://doi.org/10.3389/fphar.2022.806240>

The stirring intensity studies in the anaerobic conditions of Zymomonas mobilis 113 S

Berzinš, A.; Toma, M.; Rikmanis, M.; Viesturs, U. BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 16

Биосинтез белков иммобилизованными клетками

Köstner, Ado Биоконверсия-88 : теоретические основы микробной конверсии : тезисы докладов конференции 1988 / с. 61

https://www.ester.ee/record=b2023381*est

Биосинтез и применение циклодекстринглюкатрансферазы

Vokk, Raivo; Peipman, Elsa Биосинтез ферментов микроорганизмами : Тезисы докладов IV всесоюзной конференции, Ташкент, 19-22 сент. 1988 г. 1988 / с. [?]

Биосинтез протеолитических и амилолитических ферментов грибом Asp. oryzae 3-9-15 при глубинном выращивании

Liebert, Tiit; Kask, Karl; Raja, Kristi Вопросы получения и применения ферментов : материалы эстонского республиканского совещания 2-4 апреля 1969 г. 1969 / с. 8 https://www.ester.ee/record=b1205702*est

Биосинтез циклодекстринглюканотрансферазы Bacillus Maccranns

Vokk, Raivo; Palm, Toivo; Peipman, Elsa; Köstner, Ado VIII всесоюзная конференция "Химия и биохимия углеводов" :

тезисы докладов (Тбилиси, 17-19 ноября 1987 г.) 1987 / с. 222 https://www.ester.ee/record=b2819836*est

Биосинтез циклодекстринглюканотрансферазы при культивировании Bacillus macerans на различных питательных средах

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

Выделение и очистка циклодекстрин-глюконотрансферазы

Pappel, Kaie Биосинтез ферментов микроорганизмами: Тезисы докладов IV всесоюзной конференции, Ташкент, 19-22 сент. 1988 г. 1988 / с. [?]

Получение метаболитов тромбксана A2 и природных Е-простагландинов : автореферат ... кандидата

химических наук (02.00.03)

Järving, Ivar 1991 https://www.ester.ee/record=b1205942*est

Простенон : синтез, свойства, применение : [сборник статей]

1989 https://www.ester.ee/record=b1245586*est