

A hint for the function of human Sco1 from different structures

Banci, Lucia; Bertini, Ivano; **Palumaa, Peep** Proceedings of the National Academy of Sciences of the United States of America 2006 / 23, p. 8595-8600 <https://pubmed.ncbi.nlm.nih.gov/16735468/>
[https://www.academia.edu/14865179/A hint for the function of human Sco1 from different structures](https://www.academia.edu/14865179/A_hint_for_the_function_of_human_Sco1_from_different_structures)

A total conformational analysis of diastereomeric esters and calculation of their conformational shielding models

Tamp, Sven; Danilas, Kady; Kreen, Malle; Vares, Lauri; Kiirend, Ene; Vija, Sirje; **Pehk, Tõnis; Parve, Omar; Metsala, Andrus**
Journal of molecular structure : THEOCHEM 2008 / 1/3, p. 84-91 : ill
https://www.researchgate.net/publication/244272489_A_total_conformational_analysis_of_diastereomeric_esters_and_calculation_of_their_conformational_shielding_models

An NMR/chromatographic study of the resorcinol-formaldehyde polycondensation reaction

Lippmaa, Helle Kemia-Kemi = [Finnish chemistry] 1981 / p. 96-98 https://www.ester.ee/record=b1201067*est

An NMR/chromatographic study of the resorcinol-formaldehyde polycondensation reaction

Lippmaa, Helle Kemia-kemi = [Finnish chemistry] 1979 / p. ? https://www.ester.ee/record=b1201067*est

Binding between cyclohexanohemicucurbit[n]urils and polar organic guests

Ustrnul, Lukas; Burankova, Tatsiana; Öeren, Mario; **Juhhimenko, Kristina; Ilmarinen, Jenni; Siilak, Kristjan; Mishra, Kamini Atindrakumar; Aav, Riina** Frontiers in chemistry 2021 / art. 701028 <https://doi.org/10.3389/fchem.2021.701028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bitsüklo[3.3.0]oktaanide suhtelise konfiguratsiooni määramine 1H-13C spinn-spinn sidestuskonstantide abil

Suun, S.; Pehk, Tõnis; Kaljuste, K.; **Tamp, Sven;** Jarvet, J.; **Aav, Riina** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 96 : ill

13C NMR study of resorcinol-formaldehyde resins

Lippmaa, Helle; Välimäe, Toomas; Samoson, Ago 8th European Symposium on Polymer Spectroscopy : Budapest ..., August 23-26, 1988 : Abstracts 1988 / p. ?

Changes in curing behaviour of aminoresins during storage

Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis ICTAC 13 : 13th International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12-19, 2004 : book of abstracts 2004 / p. 85
<https://link.springer.com/article/10.1007/s10973-005-0623-8>

Characterization of polysaccharide gels by gradient NMR and microscopy methods : a comparative study

Tuvikene, Rando; Matsukawa, Shingo; Ogawa, Hiroo; Robal, Marju; Truus, Kalle; **Volobujeva, Olga; Mellikov, Enn** IUPAC International Congress on Analytical Sciences 2011 : 22-26 May 2011, Kyoto, Japan 2011 / p. 23P195

Characterization of resorcinol- and phenol-formaldehyde prepolymers by 1H NMR spectroscopy

Christjanson, Peep; Suurpere, Aime; Köösel, Arne-Enn Oil shale 1996 / 2, p. 115-122

Characterization of urea-formaldehyde condensation by 13C NMR spectroscopy

Siimer, Kadri; Pehk, Tõnis; Christjanson, Peep Stambiamolekuliu junginiu chemija ir technologija = Polymer chemistry and technology : konferencijos pranešimu medžiaga 1999 / p. 61-66: ill

Characterization of urea-formaldehyde storage stability by 1H NMR spectroscopy

Christjanson, Peep; Suurpere, Aime; Siimer, Kadri Program and book of abstracts of International Conference on Polymer Characterization "Polychar-8" : Denton, Texas, USA 2000 / p. 15

Comparison of resorcinol and 5-methylresorcinol copolycondensates with hydroxymethylphenols using GPS/ 13c NMR analysis

Lippmaa, Helle; Välimäe, T.; **Christjanson, Peep** Nihon Setchaku Kyōkai shi = Adhesion : journal of the Adhesion Society of Japan 1988 / p. 255-261

Covalent modification of calcium hydroxyapatite surface by grafting phenyl phosphonate moities

Aissa, Abdallah; Debbabi, Mongi; Gruselle, Michel; Thouvenot, Rene; Gredin, Patrick; **Traksmaa, Rainer; Tõnsuaadu, Kaia** Journal of solid state chemistry 2007 / 8, p. 2273-2278 <https://www.sciencedirect.com/science/article/pii/S0022459607002034>

Determination of isotope effects on acid-base equilibria by 13C NMR spectroscopy

Pehk, Tõnis; Kiirend, E.; **Lippmaa, Endel;** Ragnarsson, U.; Grehn, L. Journal of the Chemical Society. Perkin transactions 1997 / 2, p. 445-450

Development of in situ high resolution NMR: Proof-of-principle for a new (spinning) cylindrical mini-pellet approach applied to a Lithium ion battery

Mohammad, Irshad; Cambaz, Musa Ali; **Samoson, Ago;** Fichtner, Maximilian; Witter, Raiker Solid state nuclear magnetic

Effect of alkylresorcinols on curing behaviour of phenol-formaldehyde resol resin

Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis; Saks, Imre Journal of thermal analysis and calorimetry 2007 / [9] p. : ill

Etüleendiamiin (EDA) tuumaga polüamidoamiin (PAMAM) dendrimeeride erinevate põlvkondade analüüs MALDI-TOF MS, CZE ja ¹³C NMR meetoditega

Peterson, J.; Allikmaa, Veiko; Ebber, Arkadi; Subbi, J.; **Pehk, Tõnis; Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 131

General approach to measurements of pKa differences by C NMR spectroscopy

Pehk, Tõnis; Kiirend, E.; Lippmaa, Endel; Ragnarsson, U. Journal of the Chemical Society. Perkin transactions 1996 / 2, p. 2351-2367

Human Sco1 functional studies and pathological implications of P174L mutant

Banci, Lucia; Bertini, Ivano; **Palumaa, Peep; Sillard, Rannar** Proceedings of the National Academy of Sciences of the United States of America 2007 / 1, p. 15-20

https://www.researchgate.net/publication/6617178_Human_Sco1_functional_studies_and_pathological_implications_of_the_P174L_mutant

Hydrogen-1 NMR study of 2,5-dimethylresorcinol-methylolphenol co-condensation

Christjanson, Peep; Köösel, Arne-Enn; Suurpere, Aime Oil shale 1997 / p. 375-383: ill

Hydroxymethylation and polycondensation reactions in urea-formaldehyde resin synthesis

Christjanson, Peep; Pehk, Tõnis; Siimer, Kadri Journal of applied polymer science 2006 / p. 1673-1680 : ill

https://www.researchgate.net/publication/230275426_Hydroxymethylation_and_polycondensation_reactions_in_urea-formaldehyde_resin_synthesis

Impurity interaction with point defects in the Si-SiO₂ structures and its influence on the interface properties

Kropman, Daniel; Mellikov, Enn; Kärner, T.; Ugaste, Ülo; Laas, Tõnu; Heinmaa, I.; Medvid, A. Materials science and engineering : B 2006 / p. 222-226 : ill <https://www.sciencedirect.com/science/article/pii/S0921510706004375>

Kaugmõju efektid karboksüülhapete ja nende derivaatide ¹³C TMR spektrites

Pehk, Tõnis XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 101

Metüleenühendite uurimine ¹H TMR meetodiga = ¹H NMR study of some methylene compounds

Suurpere, Aime; Christjanson, Peep; Köösel, Arne-Enn XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 189-190 https://www.ester.ee/record=b1070511*est

NMR monitoring of lipase-catalyzed reactions of prostaglandins : preliminary estimation of reaction velocities

Vallikivi, Imre; Järving, Ivar; Pehk, Tõnis; Samel, Nigulas; Tõugu, Vello; Parve, Omar Journal of molecular catalysis B : enzymatic 2004 / p. 15-19 : ill

NMR study of triazinone compound formation

Siimer, Kadri; Oja, Holger; Christjanson, Peep; Lahe, Andres VTT Symposium 133 : Textiles and Composites '92, Tampere, Finland 1992 / p. 332-337

¹⁷O and ¹H NMR study of H₂O in individual solvents and aqueous solutions of electrolytes

Mäemets, V.; Koppel, I. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 96

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](#)

Protein NMR spectroscopy at 150 kHz magic-angle spinning continues to improve resolution and mass sensitivity

Schledorn, Maarten; Malär, Alexander A.; Torosyan, Anahit; **Oss, Andres; Org, Mai-Liis; Samoson, Ago** Chembiochem : a European journal of chemical biology 2020 / p. 2540-2548 <https://doi.org/10.1002/cbic.202000341> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at Scopus](#)

¹H and ¹³C NMR study of substituted tetrahydro-1,3,5-triazine(¹H)-2-ones formation

Christjanson, Peep; Siimer, Kadri; Laht, A.; Oja, Holger Tallinna Tehnikaülikooli Toimetised 1992 / lk. 10-20: ill

¹H NMR study of condensation reactions in triazinone-formaldehyde-urea systems

Christjanson, Peep; Siimer, Kadri; Suurpere, Aime Tallinna Tehnikaülikooli Toimetised 1994 / lk. 24-33: ill

1H NMR study of storing of urea-formaldehyde resins

Suurpere, Aime; Christjanson, Peep; Siimer, Kadri 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 71

Quantifying proton NMR coherent linewidth in proteins under fast MAS conditions : a second moment approach

Malär, Alexander A.; Smith-Penzel, Susanne; Camenisch, Gian-Marco; Wiegand, Thomas; **Samson, Ago** Physical chemistry chemical physics 2019 / p. 18850-18865 : ill <https://doi.org/10.1039/c9cp03414e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selectively enhanced 1H-1H correlations in proton-detected solid-state NMR under ultrafast MAS conditions

Zhang, Zhengfeng; **Oss, Andres; Org, Mai-Liis; Samson, Ago**; Li, Mingyue; Tan, Huan; Su, Yongchao; Yang, Jun The journal of physical chemistry letters 2020 / p. 8077-8083 : ill <https://doi.org/10.1021/acs.jpclett.0c02412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solid-state 13C NMR study of cured resorcinol-formaldehyde resins

Lippmaa, Helle; Samson, Ago Nihon Setchaku Kyōkai shi = Adhesion : journal of the Adhesion Society of Japan 1988 / p. 300-305

Solid-state NMR of a protein in a precipitated complex with a full-length antibody

Lamley, Jonathan M.; Iuga, Dinu; Öster, Carl; Sass, Hans-Juergen; Rogowski, Marco; **Oss, Andres; Past, Jaan; Reinhold, Andres**; Grzesiek, Stephan; **Samson, Ago**; Lewandowski, Jozef R. Journal of the American Chemical Society 2014 / p. 16800-16806 : ill <http://dx.doi.org/10.1021/ja5069992>

Structural changes of starch during baking and staling of rye bread

Mihhalevski, Anna; Heinmaa, Ivo; **Traksmäa, Rainer; Pehk, Tõnis; Mere, Arvo; Paalme, Toomas** Journal of agricultural and food chemistry 2012 / p. 8492-8500 : ill <https://pubs.acs.org/doi/10.1021/jf3021877>

Structure and thermal stability of pyruvated carrageenans from the red alga *Coccolytus truncatus*

Tuvikene, Rando; Truus, Kalle; Robal, Marju; **Pehk, Tõnis; Kailas, Tiit; Vaher, Merike**; Paalme, Tiina Carbohydrate research 2009 / p. 788-794 : ill <https://www.sciencedirect.com/science/article/pii/S0008621509000366>

Studies on the structure of melamine-formaldehyde condensates by 13C NMR spectroscopy

Siimer, Kadri; Pehk, Tõnis; Christjanson, Peep Abstracts of Finnish Chemical Congress and Exhibition 2000 / p. 16

A study on the nitrogen metabolism in cultured Sf-9 insect cells using 15N-labeled substrates and 1H/15N NMR spectroscopy

Drews, Monika; Doverskog, M.; Öhman, L.; Jakobson, U.; Kuchel, P.; Häggström, L. Animal Cell Technology : New Development - New Applications : abstracts of 15th ESACT Meeting, Val-de-Loire, France, Sept. 7-11, 1997 1997 / p. 8.P9

Study on urea-formaldehyde resins structure by 1H NMR spectroscopy

Suurpere, Aime; Christjanson, Peep; Siimer, Kadri Stambiamolekuli junginiu chemija ir technologija = Polymer chemistry and technology : konferencijos pranešimu medžiaga 1999 / p. 55-60: ill

Synthesis and 1H NMR study of asymmetrical methylene compounds of monophenols and caprolactam

Christjanson, Peep; Suurpere, Aime; Süld, Tiia-Maaja Stambiamolekuli junginiu chemija ir technologija = Polymer chemistry and technology : tarptautines konferencijos pranešimu medžiaga 1998 / p. 22-26

TG-DTA study of melamine-urea-formaldehyde resins

Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis; Lasn, Ilmar; Saks, Imre Book of abstracts : MEDICTA 2007 : the 8th Mediterranean Conference on Calorimetry and Thermal Analysis : September 25th - September 29th, 2007, Palermo, Italy 2007 / p. 180 <https://link.springer.com/content/pdf/10.1007/s10973-007-8721-4.pdf>

The use of long range effects in 13C NMR spectra of carboxylic acids and their derivatives

Pehk, Tõnis 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 111

Universaalne 13C TMR spektroskoopial baseeruv meetod orgaaniliste hapete dissotsiatsioonikonstantide võrdlevaks määramiseks = An universal 13C NMR method for the comparative analysis of acid-base equilibria

Pehk, Tõnis XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 145-146 https://www.ester.ee/record=b1070511*est

Vee struktuuri uurimine elektrolüütide vesilahustes ja solventides 17O ja 1H tuumamagnetresonantsspektroskoopia meetodil

Mäemets, V.; Koppel, I. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 87

Анализ продуктов реакции N-оксиметилкапролактама с фенолами и аминами методом спектроскопии ЯМР 1H

Christjanson, Peep; Suurpere, Aime; Oja, Holger Четвертая научная конференция по аналитической химии Прибалтийских республик, БССР и Калининградской области. Часть 1 : тезисы докладов 1982 / с. 132 https://www.ester.ee/record=b1265288*est

Изучение строения карбамидных олигомеров циклической структуры методами ЯМР 13С и 1Н
Siimer, Kadri; Oja, Holger; Christjanson, Peep Tallinna Tehnikaülikooli Toimetised 1990 / lk. 50-63: ill

Исследование структуры некоторых фенолформальдегидных смол методами ИК-спектроскопии и спектроскопии ЯМР13С

Lippmaa, Helle; Pehk, Tõnis; Kiisler, Karl; Christjanson, Peep Республиканская научная конференция

"Фенолформальдегидные смолы и клеи на их основе" : тезисы докладов 1974 / с. 30-32 https://www.ester.ee/record=b1310514*est

Исследование структуры фенолформальдегидных смол спектрометрическими методами. Сообщение 15, ЯМР 13С анализ конденсатов п-оксиметилфенола

Lippmaa, Helle; Välimäe, T. Tallinna Tehnikaülikooli Toimetised 1990 / lk. 3-14

Конструкция электромагнита для ЯМР-спектрометра высокой разрешающей силы

Lippmaa, Endel Сборник статей по химии и химической технологии. 8 1962 / с. 51-57 : илл https://www.ester.ee/record=b2181584*est
<https://digikogu.taltech.ee/et/Item/6ec4da4c-96e0-445e-b789-9dde4bb0db38>

О магнитных свойствах материалов, применяемых в ЯМР-спектроскопии

Lippmaa, Endel Сборник статей по химии и химической технологии. 8 1962 / с. 79-82 https://www.ester.ee/record=b2181584*est
<https://digikogu.taltech.ee/et/Item/6ec4da4c-96e0-445e-b789-9dde4bb0db38>

Сравнение спиновых стабилизаторов магнитного поля ЯМР-спектрометров высокой разрешающей силы

Lippmaa, Endel; Sügis, Anatol Сборник статей по химии и химической технологии. 8 1962 / с. 59-64 : илл
https://www.ester.ee/record=b2181584*est <https://digikogu.taltech.ee/et/Item/6ec4da4c-96e0-445e-b789-9dde4bb0db38>

Ядерный магнитно-резонансный спектрометр высокой разрешающей силы с электромагнитом

Lippmaa, Endel; Sügis, Anatol Сборник статей по химии и химической технологии. 8 1962 / с. 83-99 : илл
https://www.ester.ee/record=b2181584*est <https://digikogu.taltech.ee/et/Item/6ec4da4c-96e0-445e-b789-9dde4bb0db38>

Ядерный магнитно-резонансный спектрометр высокой разрешающей силы со спиновой стабилизацией

Lippmaa, Endel Сборник статей по химии и химической технологии. 8 1962 / с. 65-77 : илл https://www.ester.ee/record=b2181584*est
<https://digikogu.taltech.ee/et/Item/6ec4da4c-96e0-445e-b789-9dde4bb0db38>

ЯМР13С анализ фенолформальдегидных поликонденсатов

Lippmaa, Helle Республиканская научная конференция "Химия и применение фенолальдегидных смол" : тезисы докладов 1987 / с. 43-44 : табл https://www.ester.ee/record=b1263082*est