

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

Alcoholysis of primary amides in the presence of CF₃SO₃H

Mastitski, Anton; Vellemäe, Eerold; Smorodina, Varvara; Konist, Alar; Järv, Jaak Organic preparations and procedures international 2023 / p. 458-468 : ill <https://doi.org/10.1080/00304948.2023.2184997> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An assessment of alternative low level calculation methods for the initial selection of conformers of diastereomeric esters
Metsala, Andrus; Tamp, Sven; Danilas, Kady; Lille, Ülo; Villo, Ly; Vija, Sirje; Pehk, Tõnis; Parve, Omar Journal of theoretical chemistry 2014 / p. 1-10 : ill

Asymmetric Kulinkovich hydroxycyclopropanation of alkenes mediated by titanium(IV) TADDOLate complexes

Iskryk, Marharyta; Barysevich, Maryia; Ošeka, Maksim; Adamson, Jasper; Kananovich, Dzmitry Synthesis 2019 / p. 1935-1948 : ill <https://doi.org/10.1055/s-0037-1611709> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cellulose esters : sythesis in ionic liquid and characterization

Tarasova, Elvira; Šumigin, Dmitri; Krumme, Andres; Viikna, Anti Baltic Polymer Symposium 2012 : Liepaja, Latvia, September 19-22 : programme and proceedings 2012 / p. 66

A chemoenzymatic stereoselective synthesis of deoxy sugar esters of amino acids

Villo, Ly; Pehk, Tõnis; Parve, Omar Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 2010 / p. ?

A chemoenzymatic synthesis of a deoxy sugar ester of N-Boc-protected L-tyrosine

Villo, Ly; Kreen, Malle; Kudrjašova, Marina; Metsala, Andrus; Tamp, Sven; Lille, Ülo; Pehk, Tõnis; Parve, Omar Practical methods for biocatalysis and biotransformations. 2 2012 / p. 335-339
<https://www.sciencedirect.com/science/article/pii/S1381117710002511>

A chemoenzymatic synthesis of deoxy sugar esters involving stereoselective acetylation of hemiacetals catalyzed by CALB

Villo, Ly; Kreen, Malle; Metsala, Andrus; Tamp, Sven; Lille, Ülo; Pehk, Tõnis; Parve, Omar; Kudrjašova, Marina Journal of molecular catalysis B : enzymatic 2011 / p. 44-51 <https://www.sciencedirect.com/science/article/abs/pii/S1381117710002511>

The effect of apple juice concentration on cider fermentation and properties of the final product

Rosend, Julia; Kaleda, Aleksei; Kuldjärv, Rain; Arju, Georg; Nisamedtinov, Ildar Foods 2020 / art. 1401, 12 p
<https://doi.org/10.3390/foods9101401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of drying methods on the morphological and functional properties of cellulose ester films

Kattamanchi, Tanuj; Kallakas, Heikko; Tarasova, Elvira; Alao, Percy Festus; Kaljuvee, Tiit; Mere, Arvo; Katerski, Atanas; Kers, Jaan Baltic Polymer Symposium 2025 : 23d International Scientific Conference BPS 2025 "Baltic Polymer Symposium 2025" : Book of abstracts 2025 / p. 42 <http://woodval.taltech.ee/wp-content/uploads/2025/07/BPS2025-Book-of-abstracts.pdf>

Effect of green co-solvents on properties and synthesis of cellulose esters in superbase ionic liquid

Tarasova, Elvira; Savale, Nutan Bharat; Trifonova, Lada; Krasnou, Illia; Reile, Indrek; Kudrjašova, Marina; Mere, Arvo; Kaljuvee, Tiit; Mikli, Valdek; Sedrik, Rauno; Krumme, Andres Cellulose 2024 / p. 4911-4927 <https://doi.org/10.1007/s10570-024-05920-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enantioselective cyclopropanation of carboxylic esters with alkyl magnesium bromides in the presence of titanium(IV) (4R,5R)-TADDOLates

Konik, Yulia A.; Kananovich, Dzmitry; Kulinkovich, Oleg Tetrahedron 2013 / p. 6673-6678 : ill
<https://doi.org/10.1016/j.tet.2013.05.118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estrite lipaaskatalüütiline enantioselektiivne hüdroolüüs : kineetiliste mõõtmiste tulemuste interpretatsioon

Parve, Omar; Metsala, Andrus; Lille, Ülo XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 99

Homokiraalsete struktuurielementide saamine ensümaatilise hüdroolüüsi teel

Parve, Omar; Sikk, Peeter; Lille, Ülo XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 105-106

A kinetic study of the reaction between diethyl ester of bisi aminoadipic acid and beta-alanine by the thermochemical method

Kääd, Arvo; Köstner, Ado; Siimer, Enn Science tools : the LKB instrument journal 1986 / p. 24-26

Lipase-catalysed enantioselective hydrolysis of bicyclo[3.2.0]heptanol esters in supercritical carbon dioxide

Parve, Omar; **Vallikivi, Imre**; Lahe, Liija; Metsala, Andrus; **Lille, Ülo**; Tõugu, Vello; Vija, Heiki; **Pehk, Tõnis** Bioorganic & medicinal chemistry letters 1997 / 7, p. 811-816

Lipase-catalysed enantioselective hydrolysis of esters : interpretation of the kinetic results

Parve, Omar; Metsala, Andrus; **Lille, Ülo** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 109

Mandelic acid derived ionic liquids: synthesis, toxicity and biodegradability

Prydderch, Hannah; Haiß, Annette; Spulak, Marcel; Quilty, Brid; Kümmerer, Klaus; Heise, Andreas; **Gathergood, Nicholas** RSC advances 2017 / p. 2115-2126 : ill <https://doi.org/10.1039/c6ra25562k> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Negatiivsed aktivatsioonienergiad estrite aminolüüsil

Tuulmets, A.; Talvik, A. XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 143-145

Novel softwood lignin esters as advanced filler to PLA for 3D printing

ACS omega 2024 / p. 44559-44567 <https://doi.org/10.1021/acsomega.4c06680> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

O-alkylation of hydroxycarboxylic acids with (-)-menthyl bromoacetate affords bridged diastereomeric esters

Veskilt, Eva; Tamp, Sven; Parve, Jaan; Vares, Lauri; Pehk, Tõnis; **Villo, Ly; Parve, Omar** BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 194

Preparation of thermoplastic cellulose esters in [mTBNH][OAC] ionic liquid by transesterification reaction

Tarasova, Elvira; Savale, Nutan Bharat; Krasnou, Illia; Kudrjašova, Marina; Rjabovs, Vitalijs; Reile, Indrek; Vares, Lauri; **Kallakas, Heikko**; Kers, Jaan; **Krumme, Andres** Polymers 2023 / art. 3979 <https://doi.org/10.3390/polym15193979> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Project E-30 : utilization of cube wastes of esters distillation and car waste oils

Kuusk, A.; **Kallast, Vambola** Baltic eco news 1992 / 1, p. 5

Quantitative structure-activity relationship (QSAR) modeling of EC50 of aquatic toxicities for Daphnia magna

Katritzky, Alan R.; Slavov, Svetoslav H.; Stoyanova-Slavova, Iva B.; **Kahn, Iiris; Karelson, Mati** Journal of toxicology and environmental health. Part A, Current issues 2009 / 19, p. 1181-1190 : ill <https://pubmed.ncbi.nlm.nih.gov/20077186/>

Stereoselective chemoenzymatic synthesis of deoxy sugar esters involving Candida antarctica lipase B =

Desoksüsuhkru estrite stereoselektiivne kemoensümaatiline süntees kasutades Candida antarctica lipaasi B **Villo, Ly** 2008 https://www.ester.ee/record=b2393878*est

Stereospecific synthesis of cyclic sulfite esters with sulfur-centered chirality via diastereoselective strategy and intramolecular H-Bonding assistance

Hu, Xiaoyun; Yin, Zhongyou; Guo, Jianxin; Adamson, Jasper; Fujiki, Michiya; **Borovkov, Victor** Journal of Organic Chemistry 2021 / p. 379 - 387 <https://doi.org/10.1021/acs.joc.0c02147> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Substituendi efektid alküülbensoaatide leeliselisel hüdrolyüsil

Piirsalu, M.; Nummert, V. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 106

Sustainable routes for synthesis of fatty acid cellulose esters

Krumme, Andres Baltic Polymer Symposium 2024 : 22nd International Scientific Conference, September 17-19, 2024, Birštonas, Lithuania : Book of abstracts 2024 / p. 21 <https://doi.org/10.5755/e01.3030-1378.2024>

Sustituent effects in alkaline hydrolysis of alkyl benzoates

Piirsalu, M.; Nummert, V. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 116

Switched enantioference of Humicola lipase for 2-phenoxyalkanoic acid ester homologs can be rationalized by different substrate binding modes

Berglund, P.; **Vallikivi, Imre**; Fransson, Linda; Dannacher, H.; Holmquist, M.; Martinelle, M.; Björkling, F.; Parve, Omar; Hunt, K. Tetrahedron : asymmetry 1999 / p. 4191-4202 <https://www.sciencedirect.com/science/article/pii/S0957416699004383>

Synthesis of 3,4-dideoxy ribose esters: a novel chemoenzymatic approach to synthesis of activated, extended-chain glycoconjugates

Villo, Ly; Danilas, Kady; Metsala, Andrus; Pehk, Tõnis; Parve, Omar International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 164

Synthesis of deoxy sugar esters : a chemoenzymatic stereoselective approach affording deoxy sugar derivatives also in the form of aldehyde

Villo, Ly; Danilas, Kady; Metsala, Andrus; Kreen, Malle; Vallikivi, Imre; Vija, Sirje; Pehk, Tõnis; Luciano, Saso; Parve, Omar

Journal of organic chemistry 2007 / p. 5813-5816 <https://pubs.acs.org/doi/10.1021/jo062640b>

A synthesis of deoxy sugar esters. Stereoselective acetylation of hemiacetals by CALB

Villo, Ly; Metsala, Andrus; Tamp, Sven; Pehk, Tõnis; Parve, Omar Biotrans 2011 : Itaalia, Giardini Naxos, 02.-05.10.2011 2011

Synthesis of vicinal amino alcohols from tartaric ester

Ausmees, Kerti; Kulper, Kärt; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus International Conference on Organic Synthesis : June 27-July 1, 2004, Riga, Latvia : program & abstracts 2004 / p. 54

Tasakaalu arvutamises süsteemides "ester-alkohol-vesi"

Bluman, E.; Mölder, Leevi XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 92 https://www.ester.ee/record=b2449987*est

Tensile and surface hydrophobicity investigation of the novel synthesized cellulose derivative films

Kallakas, Heikko; Kilumets, Catherine; Tarasova, Elvira; Krasnou, Illia; Savest, Natalja; Gudkova, Viktoria; Ahmadian, Iman; Krumme, Andres; Kers, Jaan Research Square 2022 / 13 p <https://doi.org/10.21203/rs.3.rs-2191830/v1>

The effect of cidermaking practices on ester production by yeast = Siidri valmistamise tingimuste mõju estrite tootmisele pärmide poolt

Rosend, Julia 2021 https://www.ester.ee/record=b5453385*est <https://digikogu.taltech.ee/et/Item/20a90baf-63ea-4dc3-9d59-3278f74798b5>
<https://doi.org/10.23658/taltech.44/2021>

Об определении простого ароматического эфира бензо - β нафтол-2,3-d-фурана в сланцевой смоле

Eisen, Olaf Сборник статей по химии и технологии горючего сланца. 4 1958 / с. 152-156 : ил

https://www.ester.ee/record=b2181270*est <https://digikogu.taltech.ee/et/Item/9e663eaf-55f5-4ab2-9ec1-85514c07981d>

Two-step conversion of carboxylic esters into distally fluorinated ketones: Via ring cleavage of cyclopropanol intermediates: Application of sulfinate salts as fluoroalkylating reagents

Konik, Yulia A.; Kudrjašova, Marina; Konrad, Nele; Kaabel, Sandra; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry

Organic and Biomolecular Chemistry 2017 / p. 4635-4643 : ill <https://doi.org/10.1039/c7ob00680b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Газохроматографическое определение термодинамических функций растворения кетонов и простых эфиров

Aarna, Agu; Mölder, Leevi; Ebber, Arkadi Журнал прикладной химии 1979 / с. 1640-1642 https://www.ester.ee/record=b1182398*est

Иммобилизация ферментов в пленку целлоидина с помощью диэтилового эфира бисиминоадипиновой кислоты

Voitk, Reet; Käär, Arvo Вопросы повышения качества пищевых продуктов 1986 / с. 75-82

Иммобилизация ферментов иминоэфирами и азидами оксикислот на органоминеральном носителе

Käär, Arvo; Kreen, Malle; Pappel, Kaie Физико-химические характеристики биокатализаторов 1986 / с. 55-66

Иммобилизация химотрипсина на полидииминоэфире

Käär, Arvo Прикладные биокаталитические процессы 1989 / с. 10-15

Исследование методов синтеза виниловых эфиров фенол-формальдегидных смол : сообщение 4 :

Исследование методов синтеза виниловых эфиров фенол-формальдегидных смол, полученных на базе одноатомных фенолов сланцевой смолы

Suurthal, Aarne; Raudsepp, Hugo Технологии органических веществ. 4 1971 / с. 57-68 : илл

https://www.ester.ee/record=b1426989*est <https://digikogu.taltech.ee/et/Item/6cf05bc0-20ed-4094-8c16-49aab62a9010>

Кинетика модификации аминокрупп бисиминоэфирами и диальдегидами

Köstner, Ado; Käär, Arvo; Pappel, Kaie Шестой Всесоюзный симпозиум по химии белков и пептидов : тезисы докладов 1983

/ с. 130 https://www.ester.ee/record=b3799126*est

Модификация белковых веществ иминоэфирами. 1, Получение и свойства диэтилового эфира бисиминоадипиновой кислоты

Käär, Arvo Модификация и кинетика гидролитических ферментов 1985 / с. 55-65 : ил https://www.ester.ee/record=b1295006*est
<https://digikogu.taltech.ee/et/Item/71eca22a-a8f9-4019-b947-452634e947bf>

Модификация белковых веществ иминоэфирами. 2, Математическая модель кинетики процесса

Käär, Arvo; Tammeraid, Ivar Модификация и кинетика гидролитических ферментов 1985 / с. 67-76 : ил

https://www.ester.ee/record=b1295006*est <https://digikogu.taltech.ee/et/Item/71eca22a-a8f9-4019-b947-452634e947bf>

Модификация белковых веществ иминоэфирами. Сообщ. 3, Микрокалориметрическое исследование кинетики реакции гидролиза иминоэфиров

Käär, Arvo; Siimer, Enn Физико-химические характеристики биокатализаторов 1986 / с. 47-53

Определение предельных коэффициентов активности сложных эфиров в неполярных растворителях

Aarna, Agu; Mölder, Leevi; Ebber, Arkadi Журнал прикладной химии 1978 / с. 1359-1363 : ил

https://www.ester.ee/record=b1182398*est

Предельные коэффициенты активности органических соединений в некоторых фенолах, кетонах и эфирах

Mölder, Leevi; Metlitskaja, Olga Журнал прикладной химии 1985 / с. 1928-1930 https://www.ester.ee/record=b1182398*est

Экстракция сложных эфиров предельными органическими растворителями

Aarna, Agu; Mölder, Leevi; Ebber, Arkadi Журнал прикладной химии 1977 / с. 2604-2605 https://www.ester.ee/record=b1182398*est