

**Aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones on Pt/C catalyst**

Reile, Indrek; Paju, Anne; Eek, Margus; Pehk, Tõnis; Lopp, Margus *Synlett* 2008 / 3, p. 347-350 <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2008-1032056>

**Application of polyether ether ketone capillary for electrophoretic separation of complicated biological samples**

Komissarova, T.; Kulp, Maria; Kaljurand, Mihkel *Proceedings of the 22nd International Symposium on Microscale Bioseparations and Methods for Systems Biology* : March 9-13, 2008 : Berlin, Germany 2008 / ? p

**Asymmetric addition to aromatic unsaturated 1,4-diketones catalyzed by chichona alkaloid derivatives**

Žari, Sergei; Kudrjašova, Marina; Ören, Mario; Tamm, Toomas; Lopp, Margus; Kanger, Tõnis *BOS 2012 : International Conference on Organic Synthesis* : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 207

**Asymmetric organocatalytic [2,3]-Wittig rearrangement of cyclohexanone derivatives**

Kimm, Mariliis; Ošeka, Maksim; Kanger, Tõnis *GSFMT Scientific Conference 2021* : Tartu, June 14-15, 2021 : abstracts 2021 / P 41 [https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT\\_abstractbook\\_2021.pdf](https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf)

**Asymmetric organocatalytic [2,3]-Wittig rearrangement of cyclohexanone derivatives**

Kimm, Mariliis; Järving, Ivar; Ošeka, Maksim; Kanger, Tõnis *European journal of organic chemistry* 2021 / p. 3113–3120 : ill <https://doi.org/10.1002/ejoc.202100435> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Asymmetric oxidation of ketones**

Lopp, Margus; Paju, Anne; Kanger, Tõnis; Kriis, Kadri; Ilmarinen, Kaja; Pehk, Tõnis *Proceedings of the Estonian Academy of Sciences. Chemistry* 2001 / 3, p. 124-137

**Asymmetric oxidation of prochiral and racemic ketones by using Sharpless catalyst**

Paju, Anne 2001 <https://digi.lib.ttu.ee/i/?4206> [https://www.esther.ee/record=b1551339\\*est](https://www.esther.ee/record=b1551339*est)

**Asymmetric synthesis of 2-amino-8-oxo-9,10-epoxydeacnoic acid via cyclopropane cleavage strategy [Online resource]**

Elek, Gabor Zoltan; Koppel, Kaur; Borovkov, Victor; Lopp, Margus; Kananovich, Dzmitry *Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad* : [7-8 märtsil 2018, Tallinn : teesid] *GSFMT Scientific Conference 2018* : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmtdk.ut.ee/teesid-2018/>

**Asymmetric synthesis of C2-symmetric bimorpholines and their application as chiral ligands in the transfer hydrogenation of aromatic ketones**

Kriis, Kadri 2003 <https://digi.lib.ttu.ee/i/?4204>

**Asymmetric transfer hydrogenation of aromatic ketones by Rh/bimorpholine complexes**

Kriis, Kadri; Kanger, Tõnis; Lopp, Margus *International Conference on Organic Synthesis* : June 27-July 1, 2004, Riga, Latvia : program & abstracts 2004 / p. 93 <https://www.sciencedirect.com/science/article/pii/S0957416604005245>

**Asymmetric transfer hydrogenation of aromatic ketones by Rh(I)/bimorpholine complexes**

Kriis, Kadri; Kanger, Tõnis; Lopp, Margus *Tetrahedron : Asymmetry* 2004 / p. 2687-2691 <https://www.sciencedirect.com/science/article/pii/S0957416604005245>

**C2-symmetric bimorpholines : a new ligand for metal mediated hydride transfer reduction of ketones**

Kriis, Kadri; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus *Komppa Centenary Symposium* : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A50

**C2-symmetric bimorpholines as chiral ligands in the asymmetric hydrogenation of ketones**

Kriis, Kadri; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus *Tetrahedron : asymmetry* 2003 / p. 2271-2275 <https://www.sciencedirect.com/science/article/pii/S0957416603004324>

**CE separation of various analytes of biological origin using polyether ether ketone capillaries and contactless conductivity detection**

Knjazeva, Tatjana; Kulp, Maria; Kaljurand, Mihkel *Electrophoresis* 2009 / p. 424-430 [https://www.researchgate.net/profile/Mihkel-Kaljurand/publication/23995365\\_CE\\_separation\\_of\\_various\\_analytes\\_of\\_biological\\_origin\\_using\\_polyether\\_ether\\_ketone\\_capillaries\\_and\\_contactless\\_conductivity\\_detection/links/5e50f603299bf1cdb93cf3a5/CE-separation-of-various-analytes-of-biological-origin-using-polyether-ether-ketone-capillaries-and-contactless-conductivity-detection.pdf](https://www.researchgate.net/profile/Mihkel-Kaljurand/publication/23995365_CE_separation_of_various_analytes_of_biological_origin_using_polyether_ether_ketone_capillaries_and_contactless_conductivity_detection/links/5e50f603299bf1cdb93cf3a5/CE-separation-of-various-analytes-of-biological-origin-using-polyether-ether-ketone-capillaries-and-contactless-conductivity-detection.pdf)

**Diastereoselective [2,3]-sigmatropic rearrangement of N-allyl ammonium ylides**

Murre, Aleksandra; Erkman, Kristin; Kaabel, Sandra; Järving, Ivar; Kanger, Tõnis *Synthesis* 2019 / p. 4183–4197 <https://doi.org/10.1002/s-0039-1690185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Direct asymmetric [alfa]-hydroxylation of 2-hydroxymethyl ketones**

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus *Tetrahedron* 2002 / p. 7321-7326

**Direct asymmetric alpha-hydroxylation of beta-hydroxyketones**  
Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis Tetrahedron letters 1997 / 28, p. 5051-5054

**Direct asymmetric alpha-hydroxylation of beta-hydroxyketones**  
Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 79

**Direct asymmetric three-component Mannich reaction catalyzed by chiral counteranion-assisted silver**  
Yin, Zhongyou; Guo, Jianxin; Zhang, Rui; Borovkov, Victor The journal of organic chemistry 2020 / p. 10369–10377 : ill  
<https://doi.org/10.1021/acs.joc.0c00031>

**Divergent access to histone deacetylase inhibitory cyclopeptides via a late-stage cyclopropane ring Cleavage strategy. Short synthesis of Chlamydocin**  
Elek, Gabor Zoltan; Koppel, Kaur; Zubrytski, Dzmitry M.; Konrad, Nele; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry Organic letters 2019 / p. 8473-8478 : ill <https://doi.org/10.1021/acs.orglett.9b03305> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Divergent access to histone deacetylase inhibitory cyclopeptides via a late-stage cyclopropane ring Cleavage strategy. Short synthesis of Chlamydocin**  
Elek, Gabor Zoltan ESOC 2019 : 21st European Symposium on Organic Chemistry, July 14-18, 2019, Vienna, Austria : abstracts 2019 / PO-381 ; p. 143 [http://esoc2019.conf.tuwien.ac.at/fileadmin/ESOC2019/files/ESOC2019\\_web.pdf](http://esoc2019.conf.tuwien.ac.at/fileadmin/ESOC2019/files/ESOC2019_web.pdf)

**Enantioselective one-pot synthesis of α,β-epoxy ketones via aerobic oxidation of cyclopropanols**  
Elek, Gabor Zoltan; Borovkov, Victor; Lopp, Margus; Kananovich, Dzmitry Organic letters 2017 / p. 3544-3547 : ill  
<http://dx.doi.org/10.1021/acs.orglett.7b01519>

**Enantioselective organocatalytic Michael addition of cyclopentane-1,2-diones to nitroolefins**  
Preegel, Gert; Noole, Artur; Ilmarinen, Kaja; Järving, Ivar; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus Synthesis 2014 / p. 2595-2600 : ill

**Enantioselective synthesis of epoxyketones via aerobic oxidation of cyclopropanols**  
Elek, Gabor Zoltan; Borovkov, Victor; Lopp, Margus; Kananovich, Dzmitry Open Readings 2017 : 60th International Conference for Students of Physics and Natural Sciences, March 14-17, 2017, Vilnius, Lithuania : programme and abstracts 2017 / p. 140 : ill  
[http://www.openreadings.eu/wp-content/uploads/2017/03/OR2017\\_abstracts\\_book.pdf](http://www.openreadings.eu/wp-content/uploads/2017/03/OR2017_abstracts_book.pdf)

**Enantioselective synthesis of Wieland-Miescher ketone through biomorpholine-catalyzed organocatalytic aldol condensation**  
Kriis, Kadri; Kanger, Tõnis; Laars, Marju; Kailas, Tiia; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Synlett 2006 / 11, p. 1699-1702 [https://www.researchgate.net/publication/237887633\\_Enantioselective\\_Synthesis\\_of\\_Wieland-Miescher\\_Ketone\\_through\\_Biomorpholine-Catalyzed\\_Organocatalytic\\_Aldol\\_Condensation](https://www.researchgate.net/publication/237887633_Enantioselective_Synthesis_of_Wieland-Miescher_Ketone_through_Biomorpholine-Catalyzed_Organocatalytic_Aldol_Condensation)

**Extraction of total water-soluble alkylresorcinols from the tar water of the Kiviter process with methyl isobutyl ketone**  
Baerends, E. N.; Grigorieva, Larisa; Ostroukhov, Nikolai Solid fuel chemistry 2021 / p. 177–186  
<https://doi.org/10.3103/S0361521921030046>

**Facile synthesis of distally fluorinated ketones by copper-mediated oxidative ring cleavage of cyclopropanols**  
Konik, Yulia A.; Zubrytski, Dzmitry M.; Gathergood, Nicholas; Kananovich, Dzmitry; Lopp, Margus Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 85 : ill [http://www.boschem.eu/public/BOS2016/BOS\\_2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS_2016_Anstract-Book_Final.pdf)

**Highly chemoselective solvent-free synthesis of 1,3,5-triaryl-1,5- diketones: crystallographic investigation and intramolecular weak bifurcated H bonds involving aliphatic C-H group**  
Yin, Zhongyou; Xiong, Changkun; Guo, Jianxin; Borovkov, Victor Synlett 2019 / p. 2143–2147 <https://doi.org/10.1055/s-0039-1690224>

**Isobaric vapor-liquid equilibria of the ternary system methylbutyl ketone+1-pentanol+anisole**  
Kirss, Helle; Kuus, Mati; Siimer, Enn Journal of chemical and engineering data 2009 / p. 2128-2131 : ill  
<https://pubs.acs.org/doi/10.1021/je900058p>

**Ketoонide faasidevahelise jaotumise uurimine**  
Pajula, S.; Toomet, P.; Mikkal, Maret-Elo XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 93 [https://www.esther.ee/record=b2449987\\*est](https://www.esther.ee/record=b2449987*est)

**Ketoонide hüdriidülekandega taandumine Rh(I)/kiraalne diamiiin kompleksi manulusele**  
Kriis, Kadri; Kanger, Tõnis; Lopp, Margus XXIX Eesti keemiateaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 44

**Otsene beeta-hüdroksüketoonide asümmeetriline alfa-hüdroksüleerimine**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 70

**Phosphine-free nonaromatic catalytic system for asymmetric transfer reduction of aromatic ketones**

**Kanger, Tõnis; Kriis, Kadri; Lopp, Margus** Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 26

**Regio- and stereoselective synthesis of chiral dihydroxyketones**

**Niidu, Allan; Paju, Anne; Eek, Margus; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** Komppa Centenary Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A70

**Simple access to  $\beta$ -trifluoromethyl-substituted ketones via copper-catalyzed ring-opening trifluoromethylation of substituted cyclopropanols**

**Kananovich, Dzmitry; Konik, Yulia A.; Zubrytski, Dzmitry M.; Järving, Ivar; Lopp, Margus** Chemical communications 2015 / p. 8349-8352 : ill

**Small rings in action: organic synthesis with activated cyclopropanes**

**Kananovich, Dzmitry** Balticum Organicum Syntheticum 2018, 1-4 July 2018 : program and abstracts 2018 / 1 p. : ill

<https://boschem.eu/bos2018/>

**Synthesis and derivatization of bis-nor Wieland-Miescher ketone**

**Kanger, Tõnis; Raudla, Kristin; Aav, Riina; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Synthesis 2005 / p. 3147-3151 <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2005-916025>

**Synthesis of cyclic 3-aryl-substituted 1,2-dicarbonyl compounds via Suzuki cross-coupling reactions**

**Lopušanskaja, Eleana; Paju, Anne; Järving, Ivar; Lopp, Margus** Synthesis 2018 / p. 1883-1890 : ill <https://doi.org/10.1055/s-0036-1591543> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Synthesis of cyclic 3-aryl-substituted 1,2-dicarbonyl compounds via Suzuki cross-coupling reactions [Online resource]**

**Lopušanskaja, Eleana; Paju, Anne; Lopp, Margus** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmtdk.ut.ee/teesid-2018/>

**Synthesis of  $\gamma$ -keto sulfones by copper-catalyzed oxidative sulfonylation of tertiary cyclopropanols**

**Konik, Yulia A.; Elek, Gabor Zoltan; Kaabel, Sandra; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry** Organic & biomolecular chemistry 2017 / p. 8334-8340 : ill <http://dx.doi.org/10.1039/C7OB01605K>

**Обесфеноливание подсмольной воды горючего сланца с помощью высококипящей фракции кетонов, выделенных из сланцевой подсмольной воды**

**Sirde, Enno; Luhakooder, Edvard** Сборник статей по химии и технологии горючего сланца. 2 1955 / с. 169-179

[https://www.estr.ee/record=b2180947\\*est](https://www.estr.ee/record=b2180947*est) <https://digikogu.taltech.ee/et/item/8f402223-246d-4b22-89fc-18b8d094db19>

**Tsükliliste ketoonide võrdlev Baeyer-Villiger'i asüümmeetriline oksüdeerimine**

**Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Ilmarinen, Kaja; Pehk, Tõnis; Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 58-59

**[2,3]-Wittig rearrangement as a formal asymmetric alkylation of  $\alpha$ -branched ketones**

**Kimm, Mariliis; Ošeka, Maksim; Kaabel, Sandra; Metsala, Andrus; Järving, Ivar; Kanger, Tõnis** Organic letters 2019 / p. 4976-4980 <https://doi.org/10.1021/acs.orglett.9b01495> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Wittig [2,3]-rearrangement as a formal asymmetric alkylation of  $\alpha$ -branched cyclopentanones**

**Kimm, Mariliis; Ošeka, Maksim; Kanger, Tõnis** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fmtdk.ut.ee/teesid-2019/>

**Выделение кетонов водными растворами двухатомных фенолов**

**Aarna, Agu; Siimer, Enn** Сборник статей по химии и химической технологии. 12 1965 / с. 71-81 : илл

[https://www.estr.ee/record=b2182032\\*est](https://www.estr.ee/record=b2182032*est) <https://digikogu.taltech.ee/et/item/cc98a110-70ff-45fd-9a24-57acf33fc031>

**Выделение кетонов из углеводородных растворов при помощи молекулярных комплексов**

**Aarna, Agu; Siimer, Enn** XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 90 [https://www.estr.ee/record=b1359832\\*est](https://www.estr.ee/record=b1359832*est)

**Газохроматографическое определение термодинамических функций растворения кетонов и простых эфиров**

**Aarna, Agu; Mölder, Leevi; Ebber, Arkadi** Журнал прикладной химии 1979 / с. 1640-1642 [https://www.estr.ee/record=b1182398\\*est](https://www.estr.ee/record=b1182398*est)

**Использование модифицированной теории регулярных растворов для описания растворов кетонов в**

**неполярных растворителях**

**Aarna, Agu; Mölder, Leevi; Ebber, Arkadi** Журнал прикладной химии 1980 / с. 156-158 : илл

[https://www.esther.ee/record=b1182398\\*est](https://www.esther.ee/record=b1182398*est)

**Исследование взаимодействия некоторых фенолов с кетонами**

**Aarna, Agu; Mölder, Leevi** Eesti NSV Teaduste Akadeemia toimetised. Füüsika, matemaatika ja tehnikateaduste seeria =

Известия Академии наук Эстонской ССР. Серия физико-математических и технических наук 1964 / lk. 10-14 ; 2 tab

[https://www.esther.ee/record=b1264320\\*est](https://www.esther.ee/record=b1264320*est)

**Исследование взаимодействия фенолов с кетонами методом инфракрасной спектроскопии**

**Mölder, Leevi; Alev, Milvi** Сборник статей по химии и химической технологии. 10 1964 / с. 75-81 : илл

[https://www.esther.ee/record=b2181961\\*est](https://www.esther.ee/record=b2181961*est) <https://digikogu.taltech.ee/et/item/9569e6db-150a-42c8-bf3b-765725dfd969>

**Исследование свойств молекулярных комплексных соединений калориметрическим методом (сообщение II)**

**Aarna, Agu; Siimer, Enn** Сборник статей по химии и химической технологии. 11 1964 / с. 217-228 : илл

[https://www.esther.ee/record=b2181984\\*est](https://www.esther.ee/record=b2181984*est) <https://digikogu.taltech.ee/et/item/958b7e78-6cf4-425c-b75d-b028262eada8>

**Исследование свойств молекулярных комплексных соединений калориметрическим методом (сообщение III)**

**Aarna, Agu; Siimer, Enn** Сборник статей по химии и химической технологии. 11 1964 / с. 229-235 : илл

[https://www.esther.ee/record=b2181984\\*est](https://www.esther.ee/record=b2181984*est) <https://digikogu.taltech.ee/et/item/958b7e78-6cf4-425c-b75d-b028262eada8>

**Корреляция предельных коэффициентов активности сложных эфиров и кетонов с характеристиками растворителей**

**Makitra, R.G.; Mölder, Leevi; Pirig, J.N.; Ebber, Arkadi** Украинский химический журнал 1983 / с. 367-372 : табл

[https://www.esther.ee/record=b1806971\\*est](https://www.esther.ee/record=b1806971*est)

**О возможности выделения кетонов из сланцевой смолы**

**Aarna, Agu; Paluoja, Vilma; Kiisler, Karl** Сборник статей по химии и технологии горючего сланца. 5 1958 / с. 54-58

[https://www.esther.ee/record=b2181274\\*est](https://www.esther.ee/record=b2181274*est) <https://digikogu.taltech.ee/et/item/d4787728-120d-40c7-8299-c6997abc3167>

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

**Mölder, Leevi; Metlitskaja, Olga** Журнал прикладной химии 1985 / с. 1928-1930 [https://www.esther.ee/record=b1182398\\*est](https://www.esther.ee/record=b1182398*est)

**Экстракция суммарных водорастворимых алкилрезорцинов из подсмольной воды производства Kiviter метилизобутилкетоном**

**Grigorieva, Larisa; Baerends, E. N.; Ostroukhov, N. N.** Химия твердого топлива 2021 / с. 48-57

<https://doi.org/10.31857/S002311772103004X>