

#### **About the gasification of kukersite oil shale**

**Kann, Jüri; Raukas, Anto; Siirde, Andres** Oil shale 2013 / p. 283-293 : ill <https://doi.org/10.3176/oil.2013.2S.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **About thermal low-temperature processing of oil shale by solid heat carrier method**

**Kann, Jüri; Elenurm, Alfred; Rohtla, Ilme; Golubev, N.; Kaidalov, A.; Kindorkin, B.** Oil shale 2004 / p. 195-203 : ill [https://artiklid.elnet.ee/record=b1016380\\*est](https://artiklid.elnet.ee/record=b1016380*est)

#### **Age of Estonian kukersite oil shale - Middle or Late Ordovician?**

**Hints, Olle; Nõlvak, Jaak; Viira, Viive** Oil shale 2007 / 4, p. 527-533 : ill [https://artiklid.elnet.ee/record=b2376556\\*est](https://artiklid.elnet.ee/record=b2376556*est)

#### **Ageing of kukersite thermobitumen**

**Sokolova, Julia; Tiikma, Laine; Bitjukov, Mihhail; Johannes, Ille** Oil shale 2011 / 1, p. 4-18 : ill [https://artiklid.elnet.ee/record=b2284439\\*est](https://artiklid.elnet.ee/record=b2284439*est)

#### **Aliphatic dicarboxylic acids from oil shale organic matter - historic review**

**Veski, Rein; Veski, Siim** Oil shale 2019 / p. 76-95 : phot <https://doi.org/10.3176/oil.2019.1.06>  
[http://www.kirj.ee/public/oilshale\\_pdf/2019/issue\\_1/OS-2019-1-76-95.pdf](http://www.kirj.ee/public/oilshale_pdf/2019/issue_1/OS-2019-1-76-95.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Alternative technologies for oil shale liquefaction and upgrading**

**Luik, Hans** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 44-45 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

#### **Application of DSC to study the promoting effect of a small amount of high donor number solvent on the solvent swelling of kerogen with non-covalent cross-links in non-polar solvents**

**Hruljova, Jelena; Oja, Vahur** Fuel 2015 / p. 230-235 : ill <https://doi.org/10.1016/j.fuel.2015.01.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Atomistic molecular simulation of thermal volume expansion of Estonian kukersite kerogen**

**Kaevand, Toomas; Lille, Ülo** Oil shale 2005 / 3, p. 291-303 : ill [https://artiklid.elnet.ee/record=b2349330\\*est](https://artiklid.elnet.ee/record=b2349330*est)

#### **Behavior of Estonian kukersite kerogen in molecular mechanical force field**

**Lille, Ülo** Oil shale 2004 / 2, p. 99-114 : ill [https://artiklid.elnet.ee/record=b1015766\\*est](https://artiklid.elnet.ee/record=b1015766*est)

#### **Beneficiation of Estonian (kukersiit) oil shales**

**Puura, Väino** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 98 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

#### **A breaf overview of motor fuels from shale oil of kukersite**

**Oja, Vahur** Oil shale 2006 / p. 160-163  
[https://www.researchgate.net/publication/237236318\\_A\\_breaf\\_overview\\_of\\_motor\\_fuels\\_from\\_shale\\_oil\\_of\\_Kukersite](https://www.researchgate.net/publication/237236318_A_breaf_overview_of_motor_fuels_from_shale_oil_of_Kukersite)

#### **Centimetre-scale variability of redox-sensitive elements in Tremadocian black shales from the eastern Baltic Palaeobasin**

**Hints, Rutt; Soesoo, Alvar; Voolma, Margus; Tarros, Siim; Kallaste, Toivo; Hade, Sigrid** Estonian journal of earth sciences 2014 / p. 233-239 : ill [https://artiklid.elnet.ee/record=b2705856\\*est](https://artiklid.elnet.ee/record=b2705856*est) <https://doi.org/10.3176/earth.2014.24> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Characterisation of pyrolysis kinetics by rock-eval basic data**

**Johannes, Ille; Kruusement, Kristjan; Veski, Rein; Bojesen-Koefoed, Jorgen** Oil shale 2006 / 3, p. 249-257 : ill [https://artiklid.elnet.ee/record=b2363000\\*est](https://artiklid.elnet.ee/record=b2363000*est)

#### **Characterization of tars from Estonian kukersite oil shale based on their volatility**

**Oja, Vahur** Journal of analytical and applied pyrolysis 2005 / p. 55-60 : ill

#### **Characterization of thermally pretreated kukersite oil shale using the solvent-swelling technique**

**Savest, Natalja; Hruljova, Jelena; Oja, Vahur** Energy & fuels 2009 / 12, p. 5972-5977: ill

#### **Co-liquefaction of kukersite oil shale and pine wood in supercritical water**

**Veski, Rein; Palu, Vilja; Kruusement, Kristjan** Oil shale 2006 / 3, p. 236-248 : ill [https://artiklid.elnet.ee/record=b2362526\\*est](https://artiklid.elnet.ee/record=b2362526*est)

#### **Comparative characterization of semicoking oils obtained from rubber wastes and from co-processing of kukersite oil shale and rubber wastes in solid heat-carrier unit**

**Vössotskaja, V.; Liiv, Milana; Kann, Jüri** Oil shale 1999 / 4, p. 343-349: ill [https://artiklid.elnet.ee/record=b1002745\\*est](https://artiklid.elnet.ee/record=b1002745*est)

**Composition and qualities of Estonian Kukersit Oil Shale Ash**  
**Kikas, Verner** Proceedings of VTT 1992

**Composition of gas from pyrolysis of Estonian oil shale with various sweep gases**

**Mozaffari, Sepehr; Järvik, Oliver; Baird, Zachariah Steven** Oil shale 2021 / p. 215-227 : ill <https://doi.org/10.3176/oil.2021.3.03>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The composition of kukersite shale oil**

**Baird, Zachariah Steven; Oja, Vahur; Järvik, Oliver** Oil shale 2023 / p. 25-43 : ill <https://doi.org/10.3176/oil.2023.1.02>  
[https://artiklid.elnet.ee/record=b2903562\\*est](https://artiklid.elnet.ee/record=b2903562*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Co-processing of oil shale with some other energy sources**

**Luik, Hans; Bojesen-Koefoed, Jorgen; Luik, Lea; Palu, Vilja; Sokolova, Julia; Tamvelius, Hindrek; Tiikma, Laine** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 71-72  
[http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

**Current knowledge on the origin and structure of Estonian kukersite kerogen**

**Lille, Ülo** Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 26  
[https://www.ester.ee/record=b1703301\\*est](https://www.ester.ee/record=b1703301*est)

**Current knowledge on the origin and structure of Estonian kukersite kerogen**

**Lille, Ülo** Oil shale 2003 / 3, p. 253-263 : ill [https://artiklid.elnet.ee/record=b1013301\\*est](https://artiklid.elnet.ee/record=b1013301*est)

**Current views on the origin of Estonian kukersite kerogen**

**Lille, Ülo** Oil shale 2002 / 1, p. 3-18 : ill [https://artiklid.elnet.ee/record=b1009208\\*est](https://artiklid.elnet.ee/record=b1009208*est)

**Determination of solubility parameters of kukersite oil shale kerogen and kukersite oil shale oils [Electronic resource]**

**Oja, Vahur; Hruļjova, Jelena** 20th International Congress of Chemical and Process Engineering CHISA 2012 : Praha, Czech Republic, 25-29 August 2012 / [CD-ROM] <https://www.etis.ee/Portal/Publications/Display/5cbe1c39-bc3a-4fda-bfce-2a8f98c2c2af>

**Determination of the changes in the fractional composition of kukersite retorting oil occurring at varied conditions of thermal modification**

**Luik, Hans; Maripuu, Lea; Vink, Natalia** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 82

**Distribution of hydroxyl groups in kukersite shale oil : quantitative determination using Fourier transform infrared (FT-IR) spectroscopy**

**Baird, Zachariah Steven; Oja, Vahur; Järvik, Oliver** Applied spectroscopy 2015 / p. 555-562 <https://doi.org/10.1366/14-07705>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**DSC-based study on kukersite kerogen swelling in binary solvent mixtures**

**Hruļjova, Jelena; Oja, Vahur** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

**Eeldused puidu ja kukersiidi termokeemiliseks koosvedeldamiseks**

**Veski, Rein** Eesti Põlevloodusvarad ja -jäätmad 2006 / 1/2, lk. 24-27

**Eesti NSV põlevkivi-kukersiidi tuhk sideainena**

**Kikas, Verner** 1954 [http://www.ester.ee/record=b2136279\\*est](http://www.ester.ee/record=b2136279*est)

**Eesti oskusteave kukersiitpõlevkivi gaasistamisel**

**Raukas, Anto; Kann, Jüri** Eesti Põlevloodusvarad ja -jäätmad 2011 / lk. 9-11 : fot

**Eesti põlevkivi : geoloogia, ressursid, kaevandamistingimused**

**Kattai, Vello; Saadre, Tõnis; Savitski, Leonid; Kaljo, Dimitri** 2000 [https://www.ester.ee/record=b1411775\\*est](https://www.ester.ee/record=b1411775*est)

**Eesti teadlased avastasid uue viisi põlevkivi väärindamiseks**

**Piir, Rait** novaator.err.ee 2024 [Eesti teadlased avastasid uue viisi põlevkivi väärindamiseks](#)

**Eesti teadlased väärindavad fenoolveest roosiõli**

**novaator.err.ee** 2024 [Eesti teadlased väärindavad fenoolveest roosiõli](#)

**Effect of different sweep gases on sulfur behavior during pyrolysis of kukersite oil shale = Pürolüüsikeskkonna mõju väävli käitumisele kukersiitse põlevkivi pürolüüsil**

**Mozaffari, Sepehr** 2022 <https://doi.org/10.23658/taltech.60/2022> <https://digikogu.taltech.ee/et/Item/cf50933f-1f46-4cdb-b83e-f97cf2a962ca>  
[https://www.ester.ee/record=b5524905\\*est](https://www.ester.ee/record=b5524905*est)

### **Effect of the concentration of organic matter on the yield of thermal bitumen from the Baltic oil shale kukersite**

**Tiikma, Laine; Sokolova, Julia; Vink, Natalia** Solid fuel chemistry 2010 / p. 89-93 : ill

<https://link.springer.com/article/10.3103/S0361521910020035>

### **Effect of water on the hydrogen bond formation in Estonian kukersite kerogen as revealed by molecular modelling**

**Lille, Ülo** Fuel 2004 / 9, p. 1267-1268

### **Energeetika : meie põlevkivi**

Reinsalu, Enno Horisont 2011 / 1, lk. 36-41 : ill [https://artiklid.elnet.ee/record=b2249364\\*est](https://artiklid.elnet.ee/record=b2249364*est)

### **Ergebnisse der Festigkeitsprüfung einiger aus Kukersit hergestellter Asfalte. I.**

**Maddison, Ottomar; Dreyer, Friedrich** 2025 [https://www.ester.ee/record=b2326055\\*est](https://www.ester.ee/record=b2326055*est)

### **Ergebnisse der Festigkeitsprüfung einiger aus Kukersit hergestellter Asfalte. I.**

**Maddison, Ottomar; Dreyer, Friedrich** Tallinna Tehnikumi juures asuva Riiklise Katsekoja Teated 1925 / S. 18-25

[https://www.ester.ee/record=b1321214\\*est](https://www.ester.ee/record=b1321214*est)

### **Examination of molecular weight distributions of primary pyrolysis oils from three different oil shales via direct pyrolysis Field Ionization Spectrometry**

**Oja, Vahur** Fuel 2015 / p. 759-765 : ill <https://doi.org/10.1016/j.fuel.2015.07.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Extraction of kukersite shale in aqueous mixtures**

Luik, Hans; **Maripuu, Lea**; Vink, Natalia; Lindaru, E. 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 41

### **Faasimuutused kukersiidi termobituminiseerimisel**

**Johannes, Ille; Tiikma, Laine; Zaidentsal, Aleksei** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 34

### **From the molecules of resorcinolic lipids to alga G. prisca globular colonies in kukersite microfossils : a multiscale simulation study**

**Kaevand, Toomas; Lille, Ülo** Oil shale 2020 / p. 281-287 : ill <https://doi.org/10.3176/oil.2020.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Heat capacities of kukersite oil shale in comparison with available data of other oil shales**

**Savest, Natalja; Oja, Vahur** 19th European Conference on Thermophysical Properties : Thessaloniki, Greece, August 28-September 1 2011 / p. 287

### **Heat capacity of kukersite oil shale : literature overview**

**Savest, Natalja; Oja, Vahur** Oil shale 2013 / p. 184-192 : ill [https://artiklid.elnet.ee/record=b2621584\\*est](https://artiklid.elnet.ee/record=b2621584*est)

<https://doi.org/10.3176/oil.2013.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Heat of combustion of oxygen containing shale oil**

**Järvik, Oliver; Oja, Vahur; Baird, Zachariah Steven; Yanchilin, Alexey** Chemical engineering and biochemical engineering for a new sustainable process industry in Europe : ECCE10+ECAB3+EPIC5 : September 27th - October 1st 2015, Nice, France : abstract book 2015 / p. 1464

### **How unreliable are petroleum derived correlations for predicting thermodynamic properties of kukersite oil, which are needed in process design and environmental risk assessment?**

**Oja, Vahur** International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 43-44

### **Hundred years of the chemical investigation of an oil shale : the chemical constitution of the Estonian oil shale "Kukersite"**

**Kogerman, Paul** Oil shale and cannel coal : proceedings of a Conference held in Scotland, June 1938 1938 / p. 115-123

[https://www.ester.ee/record=b2361383\\*est](https://www.ester.ee/record=b2361383*est)

### **Hüvasti, põlevkivi, tere tulemast, kukersiit!**

**Lopp, Margus** postimees.ee 2024 / lk. 8 [Hüvasti, põlevkivi, tere tulemast, kukersiit!](#) <https://dea.digar.ee/article/postimees/2024/04/20/10.3>

### **Ilmunud on põlevkivi kvaliteedi Eesti algupärane standard [Võrguväljaanne]**

toostusest.ee 2022 ["Ilmunud on põlevkivi kvaliteedi Eesti algupärane standard"](#)

### **Influence of oxy-fuel combustion of Ca-rich oil shale fuel on carbonate stability and ash composition**

**Konist, Alar; Valtsev, Aleksandr; Loo, Lauri; Pihu, Tõnu; Liira, Martin; Kirsimäe, Kalle** Fuel 2015 / p. 671-677 : ill

<https://doi.org/10.1016/j.fuel.2014.09.050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interaction of Estonian kukersite with organic solvents : a volumetric swelling and molecular simulation study**  
Savest, Natalja; Oja, Vahur; Kaevand, Toomas; Lille, Ülo Fuel 2007 / 1/2, p. 17-21

**Investigation of Estonian oil shale thermobituminization in open and closed system = Termobituumeni moodustumine Eesti põlevkivist avatud ja suletud süsteemis**  
Zaidentsal, Aleksei 2012 [https://www.ester.ee/record=b2874186\\*est](https://www.ester.ee/record=b2874186*est)

**Investigation of kukersite structure using NMR and oxidative cleavage : on the nature of phenolic precursors in the kerogen of Estonian kukersite**  
Lille, Ülo; Heinmaa, I.; Müürisepp, Aleksander-Mati; Pehk, Tõnis Oil shale 2002 / 2, p. 101-116 : ill  
[https://www.researchgate.net/publication/288156758\\_Investigation\\_of\\_kukersite\\_structure\\_using\\_NMR\\_and\\_oxidative\\_cleavage\\_On\\_the\\_nature\\_of\\_phenolic\\_precursors\\_in\\_the\\_kerogen\\_of\\_Estonian\\_kukersite](https://www.researchgate.net/publication/288156758_Investigation_of_kukersite_structure_using_NMR_and_oxidative_cleavage_On_the_nature_of_phenolic_precursors_in_the_kerogen_of_Estonian_kukersite)

**Investigation of the thermobituminization of Estonian oil shale in open and closed systems : [defence of the doctoral thesis]**  
Zaidentsal, Aleksei Oil shale 2013 / p. 94

**Is it time to improve the status of oil shale science? : editor's page**  
Oja, Vahur Oil shale 2007 / 2, p. 97-99 [https://artiklid.elnet.ee/record=b2374451\\*est](https://artiklid.elnet.ee/record=b2374451*est)

**Kas meie kukersiitpõlevkivi sobib gaasistamiseks**  
Kann, Jüri; Raukas, Anto Inseneeria 2011 / lk. 30-32 : ill [https://www.ester.ee/record=b1519314\\*est](https://www.ester.ee/record=b1519314*est)

**Kinetics of kukersite low-temperature pyrolysis in autoclaves**  
Johannes, Ille; Tiikma, Laine; Zaidentsal, Aleksei; Luik, Lea Journal of analytical and applied pyrolysis 2009 / 1/2, p. 508-513 : ill

**Kinetics of kukersite low-temperature pyrolysis in autoclaves**  
Johannes, Ille; Tiikma, Laine; Zaidentsal, Aleksei; Luik, Lea Advances in Analytical and Applied Pyrolysis 2006-2008 : book of abstracts of the communications presented to the 18th International Symposium on Analytical and Applied Pyrolysis : Lanzarote, Canary Islands, May 18-23, 2008 2008 / p. 181

**Kinetics of low-temperature retorting of kukersite oil shale**  
Johannes, Ille; Zaidentsal, Aleksei Oil shale 2008 / 4, p. 412-425 : ill  
[https://www.researchgate.net/publication/237429410\\_Kinetics\\_of\\_low-temperature\\_retorting\\_of\\_kukersite\\_oil\\_shale](https://www.researchgate.net/publication/237429410_Kinetics_of_low-temperature_retorting_of_kukersite_oil_shale)

**Kukersiidi termolüüsil moodustuvate asfalteenide lagunemise mõningatest seaduspärasustest = Some regularities of the decomposition of asphaltenes formed on kukersite shale thermolysis**  
Luik, Hans; Maripuu, Lea; Vink, Natalia; Lindaru, E. XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 105-106 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Kukersiidi utteõli termilise modifitseerimisdiapasooni piiritlemine õli restruktureerimisparameetritega keemiskiiri muutuse alusel**  
Luik, Hans; Maripuu, Lea; Vink, Natalia XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 73

**Kukersiidle terendab roheline tulevik - Eesti alustab fenoolvee väärindamist**  
postimees.ee 2024 [Kukersiidle terendab roheline tulevik - Eesti alustab fenoolvee väärindamist](#) Uus leping võimaldab Eestil alustada fenoolvee väärindamist

**Kukersiit - Eesti põlevkivi**  
Aaloe, Aasa; Bauert, Heikki; Soesoo, Alvar 2006 [https://www.ester.ee/record=b2238113\\*est](https://www.ester.ee/record=b2238113*est)

**Kukersiit ja konnatahvel : meie energia lugu**  
Bachmann, Marina; Ilp, Reilika; Metusala, Tiit 2014 [https://www.ester.ee/record=b3068804\\*est](https://www.ester.ee/record=b3068804*est)

**Kukersiit-põlevkivi ressurss ja kasutamise prognoos**  
Kattai, Vello; Reinsalu, Enno Bülletään / Eesti Geoloogia Selts 1999 / lk. 15-16

**Kukersiit-põlevkivi tolmpõlemise lendtuha õhkseparatsioon ja fraktsioonide sideainelised omadused : dissertatsioon tehniliste teaduste kandidaadi astme taotlemiseks**  
Kogermann, Edgar 1962 [http://www.ester.ee/record=b2626424\\*est](http://www.ester.ee/record=b2626424*est)

**Kukersiitse põlevkivibensiini keemilise koosseisu ja füüsikaliste omaduste uurimine**  
Ründal, Leho 1956 [http://www.ester.ee/record=b2139690\\*est](http://www.ester.ee/record=b2139690*est)

**Kukersiiti - Viron palavakivi**

**Aaloe, Aasa; Bauert, Heikki; Soesoo, Alvar** 2006 [https://www.ester.ee/record=b2256649\\*est](https://www.ester.ee/record=b2256649*est)

**Kukersite and mudstone : the story of our energy**

**Bachmann, Marina; Ilp, Reilika; Metusala, Tiit** 2014 [https://www.ester.ee/record=b3068808\\*est](https://www.ester.ee/record=b3068808*est)

**Kukersite oil shale kerogen solvent swelling in binary mixtures**

**Hruljova, Jelena; Savest, Natalja; Oja, Vahur;** Suuberg, Eric M. Fuel 2013 / p. 77-82 : ill <https://doi.org/10.1016/j.fuel.2012.06.085>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Kukersite oil shale solvent swelling : swelling equilibrium in binary mixtures**

**Hruljova, Jelena; Oja, Vahur; Savest, Natalja;** Suuberg, Eric M. International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 95-96 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

**Küsitlus: Mida arvate Eesti Energia ideest hakata põlevkivituhaga kaevanduskäike täitma? : [vastab TTÜ emeriitprofessor Enno Reinsalu]**

**Reinsalu, Enno** Eesti Päevaleht 2009 / 21. okt., lk. 2 <https://epl.delfi.ee/artikkel/51180557/kusitlus>

**Laboris, kus valmis TalTechi aasta arendustöö, luuakse põlevkivile uus tulevik**

**Vaaks, Eveliis; Uusen, Kaire** Trialoog 2025 [Laboris, kus valmis TalTechi aasta arendustöö, luuakse põlevkivile uus tulevik](#)

**Liquefaction and gasification of Estonian oil shales in the medium of hot compressed water**

**Kruusement, Kristjan; Luik, Hans; Luik, Lea; Palu, Vilja; Vink, Natalia;** Vogel, Frederic International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 42-43  
[http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

**Liquefaction of Estonian kukersite oil shale kerogen with selected superheated solvents in static conditions**

**Luik, Hans; Palu, Vilja; Bitjukov, Mihhail; Luik, Lea; Kruusement, Kristjan; Tamvelius, Hindrek; Pryadka, N.** Oil shale 2005 / 1, p. 25-36 : ill [https://artiklid.elnet.ee/record=b2342140\\*est](https://artiklid.elnet.ee/record=b2342140*est)

**Microelements in Estonian and Green River (U.S.A.) oil shales : a quantitative comparison**

**Pets, Lydia;** Haldna, Ü. Oil shale 1995 / 3, p. 239-245: ill [https://artiklid.elnet.ee/record=b2392839\\*est](https://artiklid.elnet.ee/record=b2392839*est)

**Molecular model of Estonian kukersite kerogen evaluated by <sup>13</sup>C MAS NMR spectra**

**Lille, Ülo;** Heinmaa, I.; **Pehk, Tõnis** Fuel 2003 / p. 799-804 : ill <https://www.sciencedirect.com/science/article/pii/S0016236102003587>

**Mõnede geomakromolekulide ja Eesti kukersiidi kerogeeni struktuurimudeleist**

**Lille, Ülo** XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 81

**Nitrogen isotopes in kukersite and black shale implying Ordovician-Silurian seawater redox conditions**

**Kiipli, Enli; Kiipli, Tarmo** Oil shale 2013 / p. 60-75 : ill [https://artiklid.elnet.ee/record=b2604253\\*est](https://artiklid.elnet.ee/record=b2604253*est) <https://doi.org/10.3176/oil.2013.1.06>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oil shale reserves in Estonia**

**Tammeoja, Tauno; Loko, Margus; Valgma, Ingo; Karu, Veiko; Tohver, Tarmo** 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 94-95

**On the chemistry of the Estonian oil shale "kukersite" : a monograph**

**Kogerman, Paul** 1931 [https://www.ester.ee/record=b4272601\\*est](https://www.ester.ee/record=b4272601*est)

**On the origin of 5-alkyl-1,3-benzenediols in the retort oil of Estonian kukersite**

**Lille, Ülo** Oil shale 1999 / 3, p. 231-237 [https://artiklid.elnet.ee/record=b1001797\\*est](https://artiklid.elnet.ee/record=b1001797*est)

**Paljukiidetud ja -laidetud põlevkivi**

**Raukas, Anto** Eesti põlevloodusvarad ja -jätmed 2013 / lk. 32-35 : ill

**Phase equilibria of complex mixture in the context of unconventional fuel resources = Komplekssete segude faaside tasakaalud mittekonventsionaalsete energiaallikate tehnoloogiates**

**Mozaffari, Parsa** 2022 <https://doi.org/10.23658/taltech.61/2022> <https://digikogu.taltech.ee/et/Item/44cfd577-8d43-4408-9542-7fe74ce90e35>  
[https://www.ester.ee/record=b5524952\\*est](https://www.ester.ee/record=b5524952*est)

**Physical and thermodynamic properties of kukersite pyrolysis shale oil : literature overview**

**Oja, Vahur; Rooleht, Ruth; Baird, Zachariah Steven** Oil shale 2016 / p. 184-197 : ill <https://doi.org/10.3176/oil.2016.2.06>  
[https://artiklid.elnet.ee/record=b2778471\\*est](https://artiklid.elnet.ee/record=b2778471*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



**Potential of producing medium chain dicarboxylic acids from kerogen in kukersite in a continuous-flow oxidation reactor**  
Reinaas, Maria; Kaldas, Kristiina; Muldma, Kati; Uustalu, Jaan Mihkel; Koern, Villem Ödner; Siirde, Kaarel; Silm, Estelle; Mets, Birgit; Kimm, Mariliis; Rõuk, Kristi ISCRE 28 Abstracts 2024 / 2 p [https://www.iscre28.org/abstracts/abstract\\_587\\_517\\_1.pdf](https://www.iscre28.org/abstracts/abstract_587_517_1.pdf)

**Prediction of pour points of kukersite shale oil : influence of phenols on pour point**

Baird, Zachariah Steven; Oja, Vahur; Järvik, Oliver Chemical engineering and biochemical engineering for a new sustainable process industry in Europe : ECCE10+ECAB3+EPIC5 : September 27th - October 1st 2015, Nice, France : abstract book 2015 / p. 1466

**A predictive approach towards using PC-SAFT for modeling the properties of shale oil**

Mozaffari, Parsa; Baird, Zachariah Steven; Järvik, Oliver Materials 2022 / art. 4221 <https://doi.org/10.3390/ma15124221> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Professor Paul Nikolai Kogerman and the success story of Estonian kukersite**

Kogerman, Aili Oil shale 2011 / p. 548-553 : portr [https://artiklid.elnet.ee/record=b2463390\\*est](https://artiklid.elnet.ee/record=b2463390*est)

**Põhja-Kiviõli II open-pit mine**

Bauert, Heikki; Hints, Olle XI Baltic Stratigraphical Conference : abstracts and field guide 2024 / p. 83-90 : ill [https://www.ester.ee/record=b5696260\\*est](https://www.ester.ee/record=b5696260*est) <https://files.geocollections.info/953ae0f9-eed2-447d-82d9-fd90a199216b.pdf>

**Põlevkivi kaevandamine**

Reinsalu, Enno Eesti energeetika 2002 = Estonian energy 2002 2003 / lk. 24-30

**Põlevkivi mineraalosa mõju raske naftajäätme ja põlevkivi madalatemperatuurilisele koospürolüüsile**

Krotov, I.; Soone, Jüri; Sitnik, Viktor; Kekiševa, Ljudmilla XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 45-46

**Põlevkivi: mitte pelgalt põlev kivi, vaid Eesti nafta**

Luik, Hans Äripäev 2006 / 9. mai, lk. 23 <https://www.aripaev.ee/uudised/2006/05/08/polevkivi-mitte-pelgalt-polev-kivi-vaid-eesti-nafta>

**Põlevkivi-kukersiidi lendtuhakivistised torudel**

Mikk, Ilmar 1957 [http://www.ester.ee/record=b2140323\\*est](http://www.ester.ee/record=b2140323*est)

**Põlevkivist saab naftat**

Aru, Erik Mente et Manu 2015 / lk. 21 [https://artiklid.elnet.ee/record=b2749539\\*est](https://artiklid.elnet.ee/record=b2749539*est)

**Recycling of waste plastic via co-processing with kukersite oil shale**

Elenurm, Alfred; Oja, Vahur; Rohtla, Ilme International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 68 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

**Resorcinolic lipids as an essential source material of kukersite kerogen**

Lille, Ülo; Kaevand, Toomas International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 53-54

**Role of specifically interacting solvents in solvent swelling of kukersite oil shale kerogen = Spetsiifiliste vastasmõjudega lahustite roll kukersiitse põlevkivi kerogeeni pundumises**

Hruljova, Jelena 2014 [https://www.ester.ee/record=b3088095\\*est](https://www.ester.ee/record=b3088095*est)

**Saaremaalt pärit teadlase loodud tehnoloogia jõuab tööstusesse**

Kesküla, Marili saartehaal.postimees.ee 2024 <https://saartehaal.postimees.ee/8143255/saaremaalt-parit-teadlase-loodud-tehnoloogia-jouab-toostusesse>

**Screening of the extent of ideality in hydroxyl group rich Kukersite oil shale derived "synthetic crude oils"**

Siitsman, Carmen; Oja, Vahur IUPAC Conference on Chemical Thermodynamics (ICCT-2014) : Durban, South Africa, 27 July-1 August 2014 : abstracts 2014

**Separation of thermobitumen from oil shale mineral part**

Tiikma, Laine; Sokolova, Julia; Vink, Natalia International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 78 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

**Solvent swelling of dictyonema oil shale**

Kilk, K.; Savest, Natalja; Hruljova, Jelena; Tearo, Eduard; Kamenev, Sven; Oja, Vahur Oil shale 2010 / 1, p. 26-36 : ill [https://artiklid.elnet.ee/record=b1966260\\*est](https://artiklid.elnet.ee/record=b1966260*est)

**Solvent swelling of Dictyonema oil shale : low temperature heat-treatment caused changes in swelling extent**

**Kilk, Kristel; Savest, Natalja; Yanchilin, Alexey;** Kellogg, Diane S.; **Oja, Vahur** Journal of analytical and applied pyrolysis 2010 / 2, p. 261-264 : ill

**Solvent swelling of Estonian oil shales : low temperature thermochemical conversion caused changes in swelling**  
**Savest, Natalja; Oja, Vahur** 2010 [https://www.ester.ee/record=b2560850\\*est](https://www.ester.ee/record=b2560850*est)

**Solvent swelling of Estonian oil shales : low temperature thermochemical conversion caused changes in swelling : defense of the doctoral thesis**

**Savest, Natalja** Oil shale 2010 / 2, p. 190 : portr <https://www.proquest.com/docview/500820879?sourcetype=Scholarly%20Journals>

**Solvent swelling of kukersite oil shale macromolecular organic matter in binary mixtures : impact of specifically interacting solvents**

**Hruljova, Jelena; Savest, Natalja; Yanchilin, Alexey; Oja, Vahur;** Suuberg, Eric M. Oil shale 2014 / p. 365-376 : ill

[https://artiklid.elnet.ee/record=b2704126\\*est](https://artiklid.elnet.ee/record=b2704126*est) <https://doi.org/10.3176/oil.2014.4.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Stop 9: Põhja-Kiviõli II open-pit mine**

**Bauert, Heikki; Hints, Olle** ISOS-14 Field Guide: The Ordovician of Estonia 2023 / p. 55-62

<https://kirjandus.geoloogia.info/en/reference/48402>

**Structural consideration of kukersite from air oxidation**

**Kaldas, Kristiina; Uustalu, Jaan Mihkel; Niidu, Allan; Muldma, Kati; Preegel, Gert; Lopp, Margus** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 20

**Studies on kukersite oil shale kerogen solvent swelling by differential scanning calorimetry (DSC)**

**Hruljova, Jelena; Järvik, Oliver; Oja, Vahur** 11th Mediterranean Conference of Calorimetry and Thermal Analysis (MEDICTA 2013) : Athens, Greece, 12–15 June, 2013 2013

**Study of the organic liquid obtained from supercritical water conversion of Estonian dictyonema and kukersite oil shale by PY-GC/MS**

Chiavari, Giuseppe; Fabbri, Daniele; Finessi, Emanuela; **Luik, Hans; Luik, Lea;** Montalbani, Simona; Prati, Silva International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 67

[http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

**Sulfur in kukersite shale oil : its distribution in shale oil fractions and the effect of gaseous environment**

**Mozaffari, Sepehr; Baird, Zachariah Steven; Järvik, Oliver** Journal of thermal analysis and calorimetry 2022 / p. 11601-11610

<https://doi.org/10.1007/s10973-022-11359-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Supercritical extraction of the Estonian kukersite oil shale**

**Luik, Hans** Advances in energy research. Volume 2 2011 / p. 283-298

**Surface tensions of phenolic moieties rich narrow boiling range distillation cuts from kukersite oil shale based crude oil**

**Albert, Tiina; Baird, Zachariah Steven; Oja, Vahur** ECTP2014 - 20th European Conference on Thermophysical Properties : Porto, Portugal, August 31st-September 4th 2014 : abstracts 2014 / [1] p

**Zusammensetzung und Bindemittleigenschaften der estnischen Kukersit-Ölschieferasche**

**Kikas, Verner** ZKG International : Zement, Kalk, Gips 1997 / S. 112-126: Ill [https://www.ester.ee/record=b1202828\\*est](https://www.ester.ee/record=b1202828*est)

**TalTechi teadlaste leiutis tõstab märgatavalt Eesti kõige tähtsama maavara väärtust**

**Soopan, Ivar** rohe.geenius.ee 2024 [TalTechi teadlaste leiutis tõstab märgatavalt Eesti kõige tähtsama maavara väärtust](#)

**Tectonic dislocations of the Estonian kukersite deposit and their influence on oil shale quality and quantity**

**Sõstra, Ülo;** Sokman, Kalmer; Kattai, Vello; **Vaher, Rein** 15th Meeting of the Association of European Geological Societies

"Georesources and public policy : research, management, environment" : 16-20 September 2007, Tallinn, Estonia : abstracts 2007 / p. 74-76 [https://www.ester.ee/record=b2291667\\*est](https://www.ester.ee/record=b2291667*est)

**The Lille-Blokker model – an excellent tool to describe the structure of kukersite**

**Mets, Birgit; Kaldas, Kristiina; Uustalu, Jaan Mihkel; Lopp, Margus** Oil shale 2023 / p. 234–243

<https://doi.org/10.3176/oil.2023.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Thermal processes of dictyonema argillite and kukersite oil shale : transformation and distribution of sulfur compounds in pilot-scale Galoter process**

**Elenurm, Alfred; Oja, Vahur; Tali, Enn; Tearo, Eduard;** Yanchilin, Alexey Oil shale 2008 / 3, p. 328-334

<https://www.researchgate.net/publication/237250986> [Thermal processing of dictyonema argillite and kukersite oil shale Transformation and distribution of sulfur compounds in pilot-scale galoter process](#)

### **Thermal swelling behavior during pyrolysis of estonian oil shale kukersite**

**Oja, Vahur**; Yanchilin, Alexey; Kan, Tao; Strezov, V. 20th International Symposium on Analytical and Applied Pyrolysis : PYRO 2014 : 19-23 May 2014, Birmingham, UK : conference guide and abstracts 2014 / p. 82

### **Thermally pre-treated kukersite oil shale characterization : swelling solvents**

**Savest, Natalja; Hruljova, Jelena; Oja, Vahur** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 65-66 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

### **Thermochemical Co-liquefaction of Estonian kukersite oil shale with peat and pine bark**

**Krasulina, Julia; Luik, Hans; Palu, Vilja; Tamvelius, Hindrek** Oil shale 2012 / p. 222-236 : ill  
[https://artiklid.elnet.ee/record=b2527827\\*est](https://artiklid.elnet.ee/record=b2527827*est)

### **Thermo-swelling behavior of Kukersite oil shale : commercial grade oil shale compared to its kerogen**

**Oja, Vahur; Yanchilin, Alexey**; Kan, Tao; Strezov, Vladimir Journal of thermal analysis and calorimetry 2015 / p. 1163-1169 : ill  
<https://doi.org/10.1007/s10973-014-4258-5> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **О влиянии минеральной массы при термическом разложении кукурситного горючего сланца**

**Aarna, Agu** 1953 [https://www.ester.ee/record=b1393308\\*est](https://www.ester.ee/record=b1393308*est) <https://digikogu.taltech.ee/et/Item/0d9db3bf-b2c5-40cf-b00e-3b65d027a65f>

### **О проектировании котельных агрегатов с учетом процессов спекания летучей золы сланца-кукурсита**

**Õpik, Ilmar** 1955 [https://www.ester.ee/record=b1390477\\*est](https://www.ester.ee/record=b1390477*est) <https://digikogu.taltech.ee/et/Item/6bb7b733-0918-410e-8325-b190e50e9308>

### **Влияние добавок на свойства кукурсит-вяжущих**

**Kikas, Verner** Сборник статей посвященных 75-летию проф., доктора техн. наук О. А. Маддисона 1955 / с. 86-103, [1] : ил  
[https://www.ester.ee/record=b1346497\\*est](https://www.ester.ee/record=b1346497*est) <https://digikogu.taltech.ee/et/Item/9d6a1aaf-3ab2-4438-85a1-aa1ebc78c668>

### **О битуминизации керогена сланца-кукурсита**

**Kask, Karl** Сборник статей по химии и технологии горючего сланца. 3 1956 / с. 23-40 [https://www.ester.ee/record=b2181265\\*est](https://www.ester.ee/record=b2181265*est)  
<https://digikogu.taltech.ee/et/Item/f3e5d8bd-17a5-4ea4-8120-dc0791bbb7cb>

### **О влиянии гашения циклонной золы горючего сланца-кукурсита**

**Otsman, Raimond** Сборник статей строительного факультета. 1 1957 / с. 83-91 : ил [https://www.ester.ee/record=b1382335\\*est](https://www.ester.ee/record=b1382335*est)  
<https://digikogu.taltech.ee/et/Item/4b41b9cf-050d-4155-936e-0be18f38e0d4>

### **Графический метод нахождения требуемого времени на проведение процесса полукоксования кукурсита**

**Lippmaa, Endel** Сборник статей по химии и технологии горючего сланца. 4 1958 / с. 46-52  
[https://www.ester.ee/record=b2181270\\*est](https://www.ester.ee/record=b2181270*est) <https://digikogu.taltech.ee/et/Item/9e663eaf-55f5-4ab2-9ec1-85514c07981d>

### **О механизме низкотемпературного разложения сланца-кукурсита**

**Aarna, Agu; Rikken, Jutta** Сборник статей по химии и технологии горючего сланца. 4 1958 / с. 53-67 : ил  
[https://www.ester.ee/record=b2181270\\*est](https://www.ester.ee/record=b2181270*est) <https://digikogu.taltech.ee/et/Item/9e663eaf-55f5-4ab2-9ec1-85514c07981d>

### **О химическом составе термобитума сланца-кукурсита**

**Kask, Karl; Mihkelson, Vello** Сборник статей по химии и технологии горючего сланца. 4 1958 / с. 68-84  
[https://www.ester.ee/record=b2181270\\*est](https://www.ester.ee/record=b2181270*est) <https://digikogu.taltech.ee/et/Item/9e663eaf-55f5-4ab2-9ec1-85514c07981d>

### **Термическое разложение сланца-кукурсита**

**Aarna, Agu; Lippmaa, Endel** Сборник статей по химии и технологии горючего сланца. 4 1958 / с. 3-38 : илл  
[https://www.ester.ee/record=b2181270\\*est](https://www.ester.ee/record=b2181270*est) <https://digikogu.taltech.ee/et/Item/9e663eaf-55f5-4ab2-9ec1-85514c07981d>

### **Об образовании отложений и окаменелостей летучей золы на трубах**

**Mikk, Ilmar** 1957 [https://www.ester.ee/record=b1384929\\*est](https://www.ester.ee/record=b1384929*est) <https://digikogu.taltech.ee/et/Item/a81985fb-a247-458d-8820-8923cbeebccd>

### **Transformation of calcareous oil-shale circulating fluidized-bed combustion boiler ashes under wet conditions**

**Liira, Martin; Kirsimäe, Kalle; Kuusik, Rein; Keemik; Mötlep, Riho** Fuel 2009 / p. 712-718 : ill  
<https://www.sciencedirect.com/science/article/pii/S0016236108003268>

### **A two-step model for assessing the potential of shale-derived chemicals by oxidation of kukersite**

**Mets, Birgit; Lopp, Margus; Uustalu, Jaan Mihkel; Muldma, Kati; Niidu, Allan; Kaldas, Kristiina** Oil shale 2023 / p. 344-362  
<https://doi.org/10.3176/oil.2023.4.04> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Upgrading of liquid products from Estonian kukersite oil shale by catalytic hydrogenation = Kukersiitpõlevkivi vedelproduktide vääristamine katalüütilise hüdrogeenimise meetodil**

**Krasulina, Julia** 2015 [https://www.ester.ee/record=b4471946\\*est](https://www.ester.ee/record=b4471946*est)

### **Vapor pressures of kukersite oil shale primary pyrolysis tars**



**Vapor pressures of narrow gasoline fractions of oil from industrial retorting of Kukersite oil shale**

**Mozaffari, Parsa; Baird, Zachariah Steven; Listak, Madis; Oja, Vahur** Oil shale 2020 / p. 287-303 : tab

<https://doi.org/10.3176/oil.2020.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Vaporization parameters of primary pyrolysis oil from kukersite oil shale**

**Oja, Vahur** Oil shale 2015 / p. 124-133 : ill [https://artiklid.elnet.ee/record=b2727432\\*est](https://artiklid.elnet.ee/record=b2727432*est) <https://doi.org/10.3176/oil.2015.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Vaporization related properties of pyrolysis oils/tars from kukersite oil shale**

**Oja, Vahur; Yanchilin, Alexey** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 72 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

**Wet air oxidation of oil shales: kerogen dissolution and dicarboxylic acid formation**

**Kaldas, Kristiina; Preegel, Gert; Muldma, Kati; Lopp, Margus** ACS omega 2020 / p. 22021-22030

<https://doi.org/10.1021/acsomega.0c01466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Viscosity data for kukersite shale gasoline fractions**

**Baird, Zachariah Steven; Yanchilin, Alexey; Oja, Vahur; Järvik, Oliver** Oil shale 2022 / p. 241-251

<https://doi.org/10.3176/oil.2022.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Влияние добавки портландцементного клинкера на кукурмиты, изготовленные на базе летучей золы сланца-кукурмита**

**Kikas, Verner; Hain, Artur; Laul, Ilmar; Soonike, Väino** Сборник трудов по изучению золы сланца-кукурмита. 4 1968 / с. 69-88 : илл [https://www.ester.ee/record=b2183096\\*est](https://www.ester.ee/record=b2183096*est) <https://digikogu.taltech.ee/et/Item/03c76fff-9089-4c07-87f6-b2ded87e73b5/>

**Влияние содержания золы сланца-кукурмита на свойства сланцезольного напрягающего цемента**

**Kikas, Verner; Rass, Jüri; Hralovitš, J.F.** Изучение специальных золопортландцементов и бетонов на их основе 1986 / с. 9-17

**Влияние содержания органического вещества на выход термобитума из Прибалтийского сланца-кукурмита**

**Tiikma, Laine; Sokolova, Julia; Vink, Natalia** Химия твердого топлива 2010 / 2, с. 25-30 : ил

**Воздушная сепарация и вяжущие свойства фракций летучей золы пылевидного сжигания сланца-кукурмита : автореферат ... кандидата технических наук**

**Kogermann, Edgar** 1962 [http://www.ester.ee/record=b1555480\\*est](http://www.ester.ee/record=b1555480*est)

**Возможности использования летучих зол сланца-кукурмита для изготовления среднемарочных цементов**

**Laul, Ilmar** Сборник докладов по строительству : [доклады конференции молодых ученых и специалистов Прибалтики и Белорусской ССР по проблемам строительства в Риге 1971 г 1971 / с. 11-17 [https://www.ester.ee/record=b1332034\\*est](https://www.ester.ee/record=b1332034*est)

**Возможности повышения активности портландцемента цементного завода "Пунане Кунда" путем добавления фракции летучей золы сланца-кукурмита**

**Piksarv, Evald; Grabko, Stellian** Научно-техническая конференция "Эффективные зольные портландцементы" : тезисы докладов 1981 / с. 10-12 [https://www.ester.ee/record=b1327407\\*est](https://www.ester.ee/record=b1327407*est)

**Вяжущие из золы сланца-кукурмита**

**Kikas, Verner** Сборник трудов по изучению золы сланца-кукурмита. 1 1959 / с. 5-28 : илл [https://www.ester.ee/record=b2181314\\*est](https://www.ester.ee/record=b2181314*est) <https://www.etera.ee/zoom/119251/view>

**Зола горючего сланца-кукурмита в качестве вяжущего вещества : автореферат диссертации ... кандидата технических наук**

**Kikas, Verner** 1955 [http://www.ester.ee/record=b1672797\\*est](http://www.ester.ee/record=b1672797*est)

**Исследование возможностей разделения смеси двухосновных кислот, получаемой при окислении керогена сланца-кукурмита**

**Suurpere, Aime; Aarna, Agu** X студенческая научно-техническая конференция высших учебных заведений Прибалтики, Белорусской ССР и Калининградской области : аннотации научных работ 1964 / с. 170 [https://www.ester.ee/record=b1749611\\*est](https://www.ester.ee/record=b1749611*est) <http://www.digar.ee/id/nlib-digar:376945>

**Исследование гидратации мелкой фракции летучей золы сланца-кукурмита при помощи рационального анализа**

**Kikas, Verner; Nurm, Viive; Piksarv, Evald** Сборник трудов по изучению золы сланца-кукурмита. 5 1971 / с. 27-41 : илл [https://www.ester.ee/record=b2190172\\*est](https://www.ester.ee/record=b2190172*est) <https://digikogu.taltech.ee/et/Item/35173650-ef9e-484b-9822-f6d1155ebe49/>

#### **Исследование гидроксильных групп керогена сланца-кукерсита**

**Aarna, Agu; Urov, Kaarli** Сборник статей по химии и химической технологии. 13 1965 / с. 33-42 : илл  
[https://www.ester.ee/record=b2182034\\*est](https://www.ester.ee/record=b2182034*est) <https://digikogu.taltech.ee/et/Item/d4d94766-1dca-4956-8efe-f305fca83182>

#### **Исследование низкотемпературного разложения сланца-кукерсита методом инфракрасной спектроскопии**

**Aarna, Agu; Alev, Milvi** Сборник статей по химии и химической технологии. 10 1964 / с. 3-14 : илл  
[https://www.ester.ee/record=b2181961\\*est](https://www.ester.ee/record=b2181961*est) <https://digikogu.taltech.ee/et/Item/9569e6db-150a-42c8-bf3b-765725dfd969>

#### **Исследование окаменелостей летучей золы сланца-кукерсита на трубах : автореферат ... кандидата технических наук**

**Mikk, Ilmar** 1957 [http://www.ester.ee/record=b1382370\\*est](http://www.ester.ee/record=b1382370*est)

#### **Исследование процессов термического и окислительного пиролиза продуктов переработки сланца-кукерсита : автореферат ... кандидата технических наук (346)**

**Doilov, Svjatoslav** 1968 [https://www.ester.ee/record=b1348792\\*est](https://www.ester.ee/record=b1348792*est)

#### **Исследование процессов термического и окислительного пиролиза продуктов переработки сланца-кукерсита : диссертация на соискание ученой степени кандидата технических наук**

**Doilov, Svjatoslav** 1967 [https://www.ester.ee/record=b3000092\\*est](https://www.ester.ee/record=b3000092*est)

#### **Исследование химического состава и физико-химических свойств бензина кукерситных сланцев : автореферат ... кандидата технических наук**

**Ründal, Leho** 1956 [http://www.ester.ee/record=b1387411\\*est](http://www.ester.ee/record=b1387411*est)

#### **К вопросу глубокого обогащения горючего сланца-кукерсита**

**Fadejeva, Rimma** Тезисы докладов на 7. Всесоюзной научной конференции ВУЗов с участием НИИ "Комплексные исследования физических свойств горючих пород и процессов", Москва январь 1981 г 1981 / с. ?

#### **К вопросу о структуре углеродного скелета керогена сланца-кукерсита**

**Aarna, Agu; Urov, Kaarli** XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 91-92 [https://www.ester.ee/record=b1359832\\*est](https://www.ester.ee/record=b1359832*est)

#### **К вопросу о температуре начала перестройки основного углеродного скелета керогена кукерсита при термическом разложении**

**Kolobov, V.; Stepin, S.; Urov, Kaarli** Технология органических веществ. 4 1971 / с. 85-89 : илл  
[https://www.ester.ee/record=b1426989\\*est](https://www.ester.ee/record=b1426989*est) <https://digikogu.taltech.ee/et/Item/6cf05bc0-20ed-4094-8c16-49aab62a9010>

#### **Кукерсит и аргиллит : история нашей энергии**

**Bahmann, Marina; Metusala, Tiit** 2014 [https://www.ester.ee/record=b4409505\\*est](https://www.ester.ee/record=b4409505*est)

#### **Лантаноиды в золах сланца-кукерсита Прибалтийской ГРЭС**

**Pets, Lydia; Vaganov, P.A.; Šnir, K.** Oil Shale = Горючие Сланцы 1986 / с. 419-425 : таб., ил  
[https://www.ester.ee/record=b1072685\\*est](https://www.ester.ee/record=b1072685*est)

#### **Микроэлементы в золах сланца-кукерсита Прибалтийской ГРЭС**

**Pets, Lydia; Vaganov, P.A.; Haldna, Ülo; Juga, R.J.** Пятая научная конференция по аналитической химии Прибалтийских республик, Белорусской ССР и Калининградской области, Вильнюс, 2-3 октября 1986 г. : тезисы докладов ; Ч. 2 1986 / с. 339  
[https://www.ester.ee/record=b1528661\\*est](https://www.ester.ee/record=b1528661*est)

#### **Микроэлементы в золах сланца-кукерсита Прибалтийской ГРЭС**

**Pets, Lydia; Vaganov, P. A.; Knoth, J.; Haldna, Ülo; Schwenke, H.; Schnier, C.; Juga, R.** Oil Shale = Горючие Сланцы 1985 / с. 379-390 [https://www.ester.ee/record=b1072685\\*est](https://www.ester.ee/record=b1072685*est)

#### **Морфология крупных зёрен свободной извести, содержащихся в летучей золе сланца-кукерсита**

**Rass, Jüri** IV научно-техническая конференция "Отходы энергетической промышленности - ценная минеральная добавка для производства портландцементов со специальными свойствами", Таллин, 17-19 сентября 1986 года : тезисы докладов 1986 / с. 22-23 [https://www.ester.ee/record=b1232805\\*est](https://www.ester.ee/record=b1232805*est)

#### **О выделении токсичных веществ при пылевидном сжигании диктионемового сланца и кукерсита на опытном стенде**

**Jegorov, Dmitri; Loosaar, Jüri** Исследование работы парогенераторов электростанций 1984 / с. 3-15

#### **О гидратации мельчайших фракций летучей золы сланца-кукерсита**

**Kikas, Verner; Piksarv, Evald** Сборник трудов по изучению золы сланца-кукерсита. 4 1968 / с. 49-67 : илл  
[https://www.ester.ee/record=b2183096\\*est](https://www.ester.ee/record=b2183096*est) <https://digikogu.taltech.ee/et/Item/03c76fff-9089-4c07-87f6-b2ded87e73b5/>

**О минералогическом составе циклонной золы пылевидного сжигания сланца-кукерсита и ее фракций**

**Piksarv, Evald** Сборник трудов по изучению золы сланца-кукерсита. 1 1959 / с. 129-149 : илл

[https://www.ester.ee/record=b2181314\\*est](https://www.ester.ee/record=b2181314*est) <https://www.etera.ee/zoom/119251/view>

**О получении промышленных фракций летучей золы сланца-кукерсита**

**Kogermann, Edgar; Piksarv, Evald; Uustalu, Enn** Труды научно-технической конференции "Изучение и применение

сланцезольных цементов" : [Таллин, 23-24 сентября 1971 года] 1971 / с. 17-21 : илл [https://www.ester.ee/record=b1335722\\*est](https://www.ester.ee/record=b1335722*est)

**О реакционной способности сланца-кукерсита и керогена при действии газообразного хлористого водорода**

**Silland, Harald; Teearu, M.** Технология органических веществ. 1 1969 / с. 95-98 [https://www.ester.ee/record=b1337236\\*est](https://www.ester.ee/record=b1337236*est)

<https://digikogu.taltech.ee/et/Item/d6e3c08c-1c99-48a8-ae34-e91a3f1c8d0d>

**О самовозгорании прибалтийского сланца-кукерсита : автореферат ... кандидата технических наук**

**Erpstein, Simon** 1967 [http://www.ester.ee/record=b1563740\\*est](http://www.ester.ee/record=b1563740*est)

**О составе, процессе твердения и вяжущих свойствах мелких фракций летучей золы пылевидного сжигания сланца-кукерсита : автореферат ... кандидата технических наук**

**Piksarv, Evald** 1965 [http://www.ester.ee/record=b1520841\\*est](http://www.ester.ee/record=b1520841*est)

**О факторах, влияющих на свойства летучей золы**

**Kikas, Verner; Kogermann, Edgar; Soltšenko, Anatoli** Сборник трудов по изучению золы сланца-кукерсита. 4 1968 / с. 15-28

: илл [https://www.ester.ee/record=b2183096\\*est](https://www.ester.ee/record=b2183096*est) <https://digikogu.taltech.ee/et/Item/03c76fff-9089-4c07-87f6-b2ded87e73b5/>

**О химическом и минералогическом составе пластов и пропластов кукерсита**

**Torpan, Boris** Сборник статей по химии и технологии горючего сланца. [1] 1954 / с. 22-31 : таб

[https://www.ester.ee/record=b2180938\\*est](https://www.ester.ee/record=b2180938*est)

**О щелочных соединениях в циклонной золе**

**Piksarv, Evald** Сборник трудов по изучению золы сланца-кукерсита. 1 1959 / с. 150-162 : илл

[https://www.ester.ee/record=b2181314\\*est](https://www.ester.ee/record=b2181314*est) <https://www.etera.ee/zoom/119251/view>

**Об измельчении сланца-кукерсита при производстве керогена**

**Klimjonova, T. P.** Обогащение и брикетирование угля 1983 / с. 5-7

**Обработка керогена кукерсита водным и безводным аммиаком при 320 и 350 С**

**Teder, Jüri; Кадарпик В.Р.; Oja, Holger** Горючие сланцы 1990 / 1, с. 66-75: ил

**Обработка керогена кукерсита водным и безводным аммиаком при 320 и 350 [градусов] С**

**Teder, Jüri; Kadarpik, V.; Oja, Holger** Горючие сланцы 1990 / 1, с. 66-75: ил

**Определение состава эстонского сланца-кукерсита и количества образующейся золы по данным промышленного анализа**

**Saar, Gustav** Сборник статей по теплоэнергетике 1963 / с. 17-36 : илл [https://www.ester.ee/record=b1374314\\*est](https://www.ester.ee/record=b1374314*est)

<https://digikogu.taltech.ee/et/Item/cf63feef-8238-4bb9-9244-44ac8507e4f9>

**Определение теплотворной способности эстонского сланца-кукерсита**

**Saar, Gustav** Сборник статей по теплоэнергетике 1963 / с. 37-54 [https://www.ester.ee/record=b1374314\\*est](https://www.ester.ee/record=b1374314*est)

<https://digikogu.taltech.ee/et/Item/cf63feef-8238-4bb9-9244-44ac8507e4f9>

**Основные геолого-промышленные параметры и народнохозяйственная ценность Тапаского месторождения кукерситов**

**Каттай В.; Reinsalu, Enno** Горючие сланцы 1991 / 3, с. 220-230: ил

**Применение метода периодатного окисления к изучению гидроксильных групп керогена кукерсита**

**Nekrasov, V.; Urov, Kaarli** Технология органических веществ. 4 1971 / с. 79-83 : илл [https://www.ester.ee/record=b1426989\\*est](https://www.ester.ee/record=b1426989*est)

<https://digikogu.taltech.ee/et/Item/6cf05bc0-20ed-4094-8c16-49aab62a9010>

**Пути использования керогена сланца-кукерсита в промышленности резино-технических изделий**

**Fadejeva, Rimma; Joonas, Richard; Tanaskov, M.** Всесоюзная научно-техническая конференция "Современные проблемы в области синтеза резин" : тезисы докладов 1980 / с. 180-182

**Сборник трудов по изучению золы сланца-кукерсита**

1972 [https://www.ester.ee/record=b2190533\\*est](https://www.ester.ee/record=b2190533*est) <https://digikogu.taltech.ee/et/Item/29889133-4a49-423b-82d3-22a748732c52>

**Сборник трудов по изучению золы сланца-кукерсита**

1975 [https://www.ester.ee/record=b2190712\\*est](https://www.ester.ee/record=b2190712*est) <https://digikogu.taltech.ee/et/Item/0a5aad8d-50e2-4185-83af-8727e0401bb4>

**Сборник трудов по изучению золы сланца-кукерсита**

1959 [https://www.ester.ee/record=b2181314\\*est](https://www.ester.ee/record=b2181314*est) <https://www.etera.ee/zoom/119251/view>

**Сборник трудов по изучению золы сланца-кукерсита**

1961 [https://www.ester.ee/record=b2181429\\*est](https://www.ester.ee/record=b2181429*est) <https://digikogu.taltech.ee/et/Item/0487e6f7-211c-4d12-8268-b00b35e48ff6>

**Сборник трудов по изучению золы сланца-кукерсита**

1966 [https://www.ester.ee/record=b2182145\\*est](https://www.ester.ee/record=b2182145*est) <https://digikogu.taltech.ee/et/Item/2b639d61-3ead-4cb1-b5ff-fe472649dd9a>

**Сборник трудов по изучению золы сланца-кукерсита**

1968 [https://www.ester.ee/record=b2183096\\*est](https://www.ester.ee/record=b2183096*est) <https://digikogu.taltech.ee/et/Item/03c76fff-9089-4c07-87f6-b2ded87e73b5/>

**Сборник трудов по изучению золы сланца-кукерсита**

1971 [https://www.ester.ee/record=b2190172\\*est](https://www.ester.ee/record=b2190172*est) <https://digikogu.taltech.ee/et/Item/35173650-ef9e-484b-9822-f6d1155ebe49/>

**Свойства кукермитов, изготовленных на базе мельчайшей фракции летучей золы сланца-кукерсита**

Kikas, Verner; Hain, Artur; Laul, Ilmar Сборник трудов по изучению золы сланца-кукерсита. 4 1968 / с. 117-129

[https://www.ester.ee/record=b2183096\\*est](https://www.ester.ee/record=b2183096*est) <https://digikogu.taltech.ee/et/Item/03c76fff-9089-4c07-87f6-b2ded87e73b5/>

**Сернистые соединения в системах гидрозолаудаления предприятий полукоксования сланца-кукерсита**

Mölder, Leevi; Elenurm, Alfred; Rohla, Ilme Сборник тезисов докладов : VII конференция по химии и технологии твердого топлива России и стран СНГ, 20-22 ноября 1996 г 1996 / с. 57-58

**Совершенствование технологии обогащения горючих сланцев-кукерситов**

Fadejeva, Rimma; Klementjeva, G. Безотходная технология переработки полезных ископаемых : тезисы докладов на Всесоюзном совещании, 22-24 октября 1979 г. 1979 / с. ?

**Состояние и перспективы применения летучих зол сланца-кукерсита эстонского месторождения в производстве вяжущих материалов**

Kikas, Verner; Laul, Ilmar; Piksarv, Evald Известия высших учебных заведений. Строительство и архитектура 1974 / с. 94-98

[https://www.ester.ee/record=b3249097\\*est](https://www.ester.ee/record=b3249097*est)

**Спекание летучей золы сланца-кукерсита на поверхностях нагрева : автореферат ... кандидата технических наук**

Õpik, Ilmar 1953 [http://www.ester.ee/record=b2325948\\*est](http://www.ester.ee/record=b2325948*est)

**Техно-химическая характеристика кукерского сланца западного крыла Эстонского сланцевого бассейна**

Raudsepp, Hugo; Fomina, A.S.; Torpan, Boris; Norman, H. Сборник статей по химии и технологии горючего сланца. [1] 1954 /

с. 3-21 : илл [https://www.ester.ee/record=b2180938\\*est](https://www.ester.ee/record=b2180938*est)

**Установление характерных признаков отдельных пластов кукерсита**

Kark, Jaan Научная сессия 1947/48 уч. года : тезисы докладов 1948 / с. 30-31 [https://www.ester.ee/record=b1749673\\*est](https://www.ester.ee/record=b1749673*est)

**Физико-химические показатели и вяжущие свойства фракций летучей золы сланца-кукерсита**

Kikas, Verner; Hain, Artur; Reispere, Harri Сборник трудов по изучению золы сланца-кукерсита. 4 1968 / с. 29-47 : илл

[https://www.ester.ee/record=b2183096\\*est](https://www.ester.ee/record=b2183096*est) <https://digikogu.taltech.ee/et/Item/03c76fff-9089-4c07-87f6-b2ded87e73b5/>

**Физические показатели и вяжущие свойства мельчайшей фракции летучей золы сланца-кукерсита**

Hain, Artur; Kikas, Verner Сборник трудов по изучению золы сланца-кукерсита. 4 1968 / с. 89-101 : илл

[https://www.ester.ee/record=b2183096\\*est](https://www.ester.ee/record=b2183096*est) <https://digikogu.taltech.ee/et/Item/03c76fff-9089-4c07-87f6-b2ded87e73b5/>

**Фирма Хейти Хяэля будет производить химикаты из сланцевой фенольной воды**

Северное побережье 2024 / С. 3 <https://dea.digar.ee/article/severnojepob/2024/11/21/5.2>

**Эстонские ученые научились получать розовое масло из фенольной воды**

Saar, Sandra nauka.err.ee 2024 <https://nauka.err.ee/1609528048/jestonskie-uchenye-nauchilis-poluchat-rozovoe-maslo-iz-fenolnoj-vody>