

#### **Advances in desulfurization research of liquid fuel**

Rang, Heino; Kann, Jüri; Oja, Vahur Oil shale 2006 / 2, p. 164-176 [https://artiklid.elnet.ee/record=b2364065\\*est](https://artiklid.elnet.ee/record=b2364065*est)

#### **Application of a DSC based vapor pressure method for examining the extent of ideality in associating binary mixtures with narrow boiling range oil cuts as a mixture component**

Siitsman, Carmen; Oja, Vahur Thermochimica acta 2016 / p. 24-30 : ill <https://doi.org/10.1016/j.tca.2016.05.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Application of bulk property based correlations to phenolic moieties rich oil**

Oja, Vahur; Baird, Zachariah Steven; Järvik, Oliver 28th European Symposium on Applied Thermodynamics ESAT 2015 : June 11-14, 2015, Athens, Greece : book of abstracts 2015 / p. 140

#### **Application of differential scanning calorimetry to study solvent swelling of kukersite oil shale macromolecular organic matter : a comparison with the fine-grained sample volumetric swelling method**

Hruljova, Jelena; Järvik, Oliver; Oja, Vahur Energy & fuels 2014 / p. 840-847 : ill <https://doi.org/10.1021/ef401895u> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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](#)

#### **Application of Knudsen effusion methods to study the vaporization of compounds from complex matrices**

Oja, Vahur Proceedings of the 23rd European Symposium on Applied Thermodynamics : Cannes, France, 29 May - 1 June, 2008 2008 / p. 228

#### **Application of thermal analysis to study vaporization parameters of narrow boiling range oil fractions**

Oja, Vahur 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14th Mediterranean Conference on Calorimetry and Thermal Analysis , 27-30 August 2019, Roma, Italy: CEEC-TAC5 & Medicta2019 : book of abstracts 2019 / p. 39 <http://www.ceec-tac.org/download.php?f=.download/BoA%20CEEC-TAC5%20Medicta2019.pdf>

#### **Application of undefined mixture correlations and FTIR-PLS method to predict thermodynamic properties of hydroxyl group rich Kukersite oil shale derived "synthetic oils"**

Baird, Zachariah Steven; Järvik, Oliver; Oja, Vahur X Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design : June 28-July 1, 2015, Alicante (Spain) : book of abstracts 2015 / [2] p

#### **Assessment of work environment hazards during shale oil handling**

Traumann, Ada; Tint, Piia; Reinhold, Karin; Järvik, Oliver; Oja, Vahur Riga Technical University 53rd International Scientific Conference dedicated to the 150th anniversary and the 1st Congress of World Engineers and Riga Polytechnical Institute/RTU Alumni : 11-12 October 2012, Riga, Latvija : [abstracts] 2012 / p. 459 : ill

#### **ASTM D86 distillation in the context of average boiling points as thermodynamic property of narrow boiling range oil fractions**

Rannaveski, Rivo; Listak, Madis; Oja, Vahur Oil shale 2018 / p. 254-264 : ill <https://doi.org/10.3176/oil.2018.3.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Biomassi pürolüüsitõrvade (õlide) lenduvus**

Oja, Vahur; Hajaligol, Mohammad R. XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 96

#### **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\\_breif\\_overview\\_of\\_motor\\_fuels\\_from\\_shale\\_oil\\_of\\_Kukersite](https://www.researchgate.net/publication/237236318_A_breif_overview_of_motor_fuels_from_shale_oil_of_Kukersite)

#### **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-hydrothermal liquefaction of lignocellulosic biomass with kukersite oil shale**

Akalin, Ece; Kim, Young-Min; Alper, Koray; Oja, Vahur Energy & fuels 2019 / p. 7424-7435 : ill  
<https://doi.org/10.1021/acs.energyfuels.9b01473> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Comparison of oil shales from different deposits : oil shale pyrolysis and co-pyrolysis with ash**

**Oja, Vahur; Elenurm, Alfred; Rohtla, Ilme; Tali, Enn; Tearo, Eduard;** Yanchilin, Alexey Oil shale 2007 / 2, p. 101-108  
[https://artiklid.elnet.ee/record=b2374389\\*est](https://artiklid.elnet.ee/record=b2374389*est)

#### **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](#)

#### **Desulfurization, denitrogenation and deoxygenation of shale oil**

**Baird, Zachariah Steven; Rang, Heino; Oja, Vahur** Oil shale 2021 / p. 137-154 : ill <https://doi.org/10.3176/oil.2021.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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 2012 / [CD-ROM] <https://www.etis.ee/Portal/Publications/Display/5cbe1c39-bc3a-4fda-bfce-2a8f98c2c2af>

#### **Determination of vaporization properties and volatile hazardous components relevant to kukersite oil shale derived fuel oil handling**

**Traumann, Ada; Tint, Piia; Järvik, Oliver; Oja, Vahur** Materials science = Medžiagotyra 2014 / p. 351-356 : ill  
<https://doi.org/10.5755/j01.ms.20.3.4549> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Determination of volatile components from shale fuel oil during handling**

**Traumann, Ada; Tint, Piia; Järvik, Oliver; Oja, Vahur** Integration Challenges for Sustainability : 7th International Conference on Environmental Engineering and Management, 18-21 of September 2013, Vienna, Austria : conference abstracts book 2013 / p. 33-34

#### **Developing a novel method for using thermal analysis to determine average boiling points of narrow boiling range continuous mixtures = Uudse termilise analüüsi meetodi arendamine kitsaste keemispriiridega pidevate segude keskmiste keemispunktide leidmiseks**

**Rannaveski, Rivo** 2018 <https://digi.lib.ttu.ee/i/?10985> [https://www.ester.ee/record=b5161022\\*est](https://www.ester.ee/record=b5161022*est)

#### **Devoatilization study of the Estonian oil shales**

**Oja, Vahur** 16th International Symposium on Analytical and Applied Pyrolysis : Alicante Spain, 2004 2004

#### **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

#### **Eesti Elektrijsaama hüdraulilise tuhaarastussüsteemi ringlusvee keemilis-tehniline iseloomustus ja tema korrosiooniaktiivsus**

**Rohtla, Ilme; Elenurm, Alfred; Oja, Vahur** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 98-99

#### **Eesti põlevkivi kerogeeni pundumine lahustites**

**Savest, Natalja; Oja, Vahur** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 100

#### **Eesti põlevkivide pundumine lahustites : termokeemilise konversiooni mõju pundumisprotsessile**

**Savest, Natalja; Kilk, Kristel; Oja, Vahur** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 72

#### **Energeetika : põlevkiviõli ehk mitte ainult juhtmeid pidi põlevkivi küljes**

**Oja, Vahur; Elenurm, Alfred** Horisont 2011 / 4, lk. 34-39 : ill [https://artiklid.elnet.ee/record=b2423131\\*est](https://artiklid.elnet.ee/record=b2423131*est)

#### **Evaluation of vapor pressures of 5-Methylresorcinol derivatives by thermogravimetric analysis**

**Järvik, Oliver; Rannaveski, Rivo; Roo, Eke; Oja, Vahur** Thermochimica acta 2014 / p. 198-205 : ill  
<https://doi.org/10.1016/j.tca.2014.07.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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](#)

#### **Extension of the DSC method to measuring vapor pressures of narrow boiling range oil cuts**

**Siitsman, Carmen; Oja, Vahur** Thermochimica acta 2015 / p. 31-37 : ill <https://doi.org/10.1016/j.tca.2015.04.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Extension of the DSC method to measuring vapor pressures of narrow boiling range oil cuts = DSC meetodi arendamine õlide kitsaste keemistemperatuuri vahemikega fraktsioonide aururõhu mõõtmiseks**

**Siitsman, Carmen** 2018 <https://digi.lib.ttu.ee/i/?10063> [https://www.ester.ee/record=b5144509\\*est](https://www.ester.ee/record=b5144509*est)

#### **Extension of the DSC method to measuring vapor pressures of narrow boiling range oil cuts [Online resource]**

**Siitsman, Carmen; Oja, Vahur** 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://fntdk.ut.ee/teesid-2018/>

#### **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

#### **Hydrogen solubility of shale oil containing polar phenolic compounds**

**Baird, Zachariah Steven; Uusi-Kyyry, Petri; Oja, Vahur; Alopaeus, Ville** Industrial and engineering chemistry research 2017 / p. 8738-8747 : ill <https://doi.org/10.1021/acs.iecr.7b00966> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Improvement of work environment through modelling the prevention of health risks focusing on indoor pollutants = Töökeskonna parendamine tööruumi siseõhu saasteainete poolt põhjustatud terviseriskide hindamise kaudu**

**Traumann, Ada** 2014 [https://www.ester.ee/record=b3082201\\*est](https://www.ester.ee/record=b3082201*est)

#### **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

#### **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)

#### **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)

#### **Management of health hazards during shale oil handling**

**Traumann, Ada; Tint, Piia; Järvik, Oliver; Oja, Vahur** Agronomy research 2013 / p. 479-486 : ill <https://agronomy.emu.ee/vol112/p11224.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Molecular weight distribution of industrial shale oils**

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

#### **Molecular weight distributions and average molecular weights of pyrolysis oils from oil shales : literature data and measurements by size exclusion chromatography (SEC) and atmospheric solids analysis probe mass spectroscopy (ASAP MS) for oils from four different deposits**

**Järvik, Oliver; Oja, Vahur** Energy & fuels 2017 / p. 328-339 : ill <https://doi.org/10.1021/acs.energyfuels.6b02452> [Journal metrics at](#)

[Scopus Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Molecular weight parameters of oil shale pyrolysis products**

**Oja, Vahur** Energy & Fuels Preprints : presented at the 246th ACS National Meeting & Exhibition 2013 2013 / p. 656-657

#### **Molecular weight parameters of oil shale pyrolysis products**

**Oja, Vahur** 246th ACS National Meeting and Exposition, September 8-12, 2013, Indianapolis, Indiana : [book of abstracts] 2013 / [1] p

#### **Multivariate models based on infrared spectra as a substitute for oil property correlations to predict thermodynamic properties : evaluated on the basis of the narrow-boiling fractions of Kukersite retort oil**

**Baird, Zachariah Steven; Oja, Vahur** Oil shale 2022 / p. 20-36 <https://doi.org/10.3176/oil.2022.1.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **A new method for determining average boiling points of narrow boiling range oil fractions using a thermogravimetric analyzer**

**Rannaveski, Rivo; Järvi, Oliver; Oja, Vahur** 22nd International Congress of Chemical and Process Engineering : CHISA 2016 Prague : 27-31 August 2016, Prague, Czech Republic : volume 1 2016 / p. 729-730

#### **A new method for determining average boiling points of oils using a thermogravimetric analyzer : application to unconventional oil fractions**

**Rannaveski, Rivo; Järvi, Oliver; Oja, Vahur** Journal of thermal analysis and calorimetry 2016 / p. 1679-1688 : ill <https://doi.org/10.1007/s10973-016-5612-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **A new thermogravimetric application for determination of vapour pressure curve corresponding to average boiling points of oil fractions with narrow boiling ranges**

**Rannaveski, Rivo; Oja, Vahur** Thermochimica acta 2020 / art. 178468, 7 p. : ill <https://doi.org/10.1016/j.tca.2019.178468> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Oil shale processing, chemistry and technology**

**Oja, Vahur; Suuberg, Eric M.** Encyclopedia of sustainability science and technology 2012 / p. 7457-7491

#### **Oil shale processing, chemistry and technology**

**Oja, Vahur; Suuberg, Eric M.** Fossil energy : selected entries from the encyclopedia of sustainability science and technology 2013 / 99-148 [http://dx.doi.org/10.1007/978-1-4614-5722-0\\_5](http://dx.doi.org/10.1007/978-1-4614-5722-0_5)

#### **Oil shale processing, chemistry, and technology**

**Oja, Vahur; Suuberg, Eric M.** Fossil Energy : A Volume in the Encyclopedia of Sustainability Science and Technology, Second Edition 2020 / p. 47-83 [https://doi.org/10.1007/978-1-4939-9763-3\\_102](https://doi.org/10.1007/978-1-4939-9763-3_102)

#### **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](#)

#### **Physical and thermodynamic properties of phenol-rich oil from oil shale : application of correlations based on bulk properties**

**Oja, Vahur; Järvi, Oliver; Baird, Zachariah Steven; Rannaveski, Rivo** PetroPhase 2016 : Elsinore, Denmark, 19-23 June 2016 2016 / p. 99 [http://petrophase2016.com/wp-content/uploads/2016/06/PetroPhase2016\\_ConferenceBook.pdf](http://petrophase2016.com/wp-content/uploads/2016/06/PetroPhase2016_ConferenceBook.pdf)

#### **Pluses and minuses of thermal analysis for determining vapour pressure of narrow boiling range oil fractions**

**Siitsman, Carmen; Oja, Vahur** 12th European Symposium on Thermal Analysis and Calorimetry ESTAC 12 : 27-30 August 2018, Brasov, Romania : book of abstracts 2018 / PS2.031, p. 397 <http://estac12.org/download.php?f=../download/BoA%20ESTAC12.pdf>

#### **Predicting fuel properties from infrared spectra = Kütuse omaduste hindamine infrapunasppektrilt**

**Baird, Zachariah Steven** 2017 <https://digi.lib.ttu.ee/i/?8530> [https://www.ester.ee/record=b4689447\\*est](https://www.ester.ee/record=b4689447*est)

#### **Predicting fuel properties using chemometrics : a review and an extension to temperature dependent physical properties by using infrared spectroscopy to predict density**

**Baird, Zachariah Steven; Oja, Vahur** Chemometrics and intelligent laboratory systems 2016 / p. 41-47 : ill <https://doi.org/10.1016/j.chemolab.2016.08.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Baird, Zachariah Steven; Oja, Vahur; Järvi, 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

#### **Properties of kukersite shale oil**

Järvik, Oliver; Baird, Zachariah Steven; Rannaveski, Rivo; Oja, Vahur Oil shale 2021 / p. 265-294

<https://doi.org/10.3176/oil.2021.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Põlevkivi ja kummijäätmete termiline töötlemine tahke soojuskandjaga utteseadmes**

Oja, Vahur; Elenurm, Alfred; Rohtla, Ilme Eesti Põlevloodusvarad ja -jäätmed 2005 / lk. 27-28 : ill

[https://www.ester.ee/record=b1803882\\*est](https://www.ester.ee/record=b1803882*est)

#### **Põlevkivi uttetõrvade aurustusvõime uurimine**

Soodla, Merike; Orle, Merle; Oja, Vahur XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian

Chemistry Days : abstracts of scientific conference 2001 / lk. 127

#### **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)

#### **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)

#### **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

#### **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 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](#)

#### **Solvent swelling thermodynamics of kukersite and dictyonema kerogens**

Hruljova, Jelena; Savest, Natalja; Kilk, K.; Oja, Vahur Book of abstracts of the VIII Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design : 17-21 October, Praia da Rocha, Portugal [2009] / p. 128

#### **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

#### **Sublimation study of solid hydroxyl-containing coumarins and their derivatives**

Oja, Vahur 18th IUPAC International conference on Chemical Thermodynamics : August 17-21, 2004, Beijing, China 2004

#### **A sublimation study of sterols**

Oja, Vahur; Waymack, B.; Hajaligol, Mohammad; Chen, Xu Abstracts of Scientific Conference Thermodynamics 2005 : 19th meeting 2005 / p. 122

#### **Sublimation thermodynamic parameters for cholesterol, ergosterol, [beeta]-sitosterol, and Stigmasterol**

Oja, Vahur; Chen, Xu; Hajaligol, Mohammad R.; Chan, W. Geoffrey Journal of chemical & engineering data 2009 / p. 730-734

<https://pubs.acs.org/doi/full/10.1021/je800395m>

#### **Surface tensions of phenolic mixture separated from kukersite oil shale oil**

Albert, Tiina; Oja, Vahur Thermodynamics'2019 : the 26th conference. 26-28 June 2019 : abstract book 2019 / p. 265

[http://filico.dfa.uhu.es/thermodynamics2019/Thermodynamics2019\\_definitive\\_BoA\\_170x240+3.pdf](http://filico.dfa.uhu.es/thermodynamics2019/Thermodynamics2019_definitive_BoA_170x240+3.pdf)

#### **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

**Temperature and pressure dependence of density of a shale oil and derived thermodynamic properties**

Baird, Zachariah Steven; Uusi-Kyyny, Petri; Järvi, Oliver; **Oja, Vahur**; Alopaeus, Ville Industrial & engineering chemistry research 2018 / p. 5128-5135 <https://doi.org/10.1021/acs.iecr.7b05018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The Faculty of Chemical and Materials Technology 2012-2013**

2014 [https://www.ester.ee/record=b3078114\\*est](https://www.ester.ee/record=b3078114*est)

**The vaporization of semi-volatile compounds during tobacco pyrolysis**

**Oja, Vahur**; Hajaligol, Mohammad; Waymack, Bruce Journal of analytical and applied pyrolysis 2006 / 1/2, p. 117-123 : ill <https://www.sciencedirect.com/science/article/pii/S0165237005001646>

**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](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 processing of polyvinylchloride waste with oil shale ash to capture chloride**

**Oja, Vahur; Elenurm, Alfred; Rohtla, Ilme; Tearo, Eduard; Tali, Enn** Oil shale 2008 / 2, p. 203-208 [https://www.researchgate.net/publication/252826875\\_Thermal\\_processing\\_of\\_polyvinylchloride\\_waste\\_with\\_oil\\_shale\\_ash\\_to\\_capture\\_chloride](https://www.researchgate.net/publication/252826875_Thermal_processing_of_polyvinylchloride_waste_with_oil_shale_ash_to_capture_chloride)

**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)

**Thermodynamic and transport properties of liquid products from oil shale pyrolysis**

**Oja, Vahur** Abstracts of the XIX International Conference on Chemical Thermodynamics in Russia (RCCT-2013) : Moscow, June 24–28, 2013 2013 / p. 13

**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](#)

**TTÜs saab teha paremini keemilis-tehnilisi analüüse : [tutvustab Vahur Oja]**

**Oja, Vahur** Elektriala 2012 / lk. 29 : portr

**Unconventional use of a DSC based vapor pressure method for examining the extent of ideality in associating binary mixtures composed of narrow boiling range oil cuts**

**Siitsman, Carmen; Oja, Vahur** 22nd International Congress of Chemical and Process Engineering : CHISA 2016 Prague : 27-31 August 2016, Prague, Czech Republic : Volume 2 2016 / p. 740-741

**Uus labor : [IV korpuse teisel korraldusel paikneb keemiatehnika instituudi keemiatehnika ja kütuste teaduslaboratoorium : ka keemiatehnika instituudi direktori Vahur Oja kommentaarid]**

Aru, Erik; **Oja, Vahur** Mente et Manu 2012 / lk. 9 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Vapor liquid equilibrium in polycyclic aromatic compound mixtures and in coal tars**

**Oja, Vahur**; Suuberg, Eric M. Heavy hydrocarbon resources : characterization, upgrading and utilization 2005 / p. 113-122

**Vapor liquid equilibrium in polycyclic aromatic compound mixtures and in coal tars [Electronic resource]**

**Oja, Vahur**; Suuberg, Eric M. The 25th ASC National meeting : New Orleans, LA, 2003 2003 / [CD-ROM] [https://www.researchgate.net/publication/228753390\\_Vapor\\_Liquid\\_Equilibrium\\_in\\_Polycyclic\\_Aromatic\\_Compound\\_Mixtures\\_and\\_in\\_Coal\\_Tars](https://www.researchgate.net/publication/228753390_Vapor_Liquid_Equilibrium_in_Polycyclic_Aromatic_Compound_Mixtures_and_in_Coal_Tars)

**Vapor pressure characterization of several phenolics and polyhydric compounds by Knudsen effusion method**

Chen, Xu; **Oja, Vahur**; Chan, W. Geoffrey; Hajaligol, Mohammad R. Journal of chemical and engineering data 2006 / 2, p. 386-391 : ill <https://pubs.acs.org/doi/10.1021/je050293h>

**Vapor pressure data of nicotine, anabasine and cotinine using differential scanning calorimetry**

**Siitsman, Carmen; Kamenev, Inna; Oja, Vahur** Thermochimica acta 2014 / p. 35-42 : ill <https://doi.org/10.1016/j.tca.2014.08.033>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Vapor pressure measurements of tobacco pyrolysis tar by a non-isothermal Knudsen effusion method**

Shim, Hong-Shing; **Oja, Vahur**; Hajaligol, Mohammad Journal of analytical and applied pyrolysis 2003 / p. 183-190 : ill  
<https://www.sciencedirect.com/science/article/abs/pii/S0165237002001134>

**Vapor pressures of coal tars and model aromatic systems [Electronic resource]**

**Oja, Vahur**; Suuberg, Eric M. Fuel chemistry preprints : [papers presented at the National meeting of the American Chemical Society] 2006 / 2, Papers presented at the San Francisco, CA meeting, p. 729-730 [CD-ROM]

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

**Oja, Vahur** Summaries 2 : Separation Processes : 7th European Congress of Chemical Engineering. 19th International Congress of Chemical and Process Engineering CHISA 2010 2010 / p. 649

**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)

**Vapour pressure data for 2-n-propylresorcinol, 4-ethylresorcinol and 4-hexylresorcinol near their normal boiling points measured by differential scanning calorimetry**

**Astra, Hanna-Liina; Oja, Vahur** The journal of chemical thermodynamics 2019 / p. 119-126 : ill <https://doi.org/10.1016/j.jct.2019.03.008>  
[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](#)

**Yields and the selected physicochemical properties of thermobitumen as an intermediate product of the pyrolysis of Kukersite oil shale**

**Astra, Hanna-Liina; Albert, Tiina; Mozaffari, Sepehr; Järvik, Oliver; Yanchilin, Alexey; Kamenev, Sven; Karagöz, Selhan; Oja, Vahur** Oil shale 2021 / p. 295-316 <https://doi.org/10.3176/oil.2021.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)