

Activated sludge process coupled with intermittent ozonation for sludge yield reduction and effluent water quality control
Järvik, Oliver; Viiroja, Andres; Kamenev, Sven; Kamenev, Inna Journal of chemical technology and biotechnology 2011 / p. 978–984 : ill

Aktiivmudaprotsessi osoonimise mõju heitvee kvaliteedile ja jääkaktiivmuda tekkele

Järvik, Oliver; Kamenev, Inna XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 38

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 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

Ash characterisation formed under different oxy-fuel circulating fluidized bed conditions

Baqain, Mais Hanna Suleiman; Yörük, Can Rüstü; Nešumajev, Dmitri; Järvik, Oliver; Konist, Alar Fuel 2023 / art. 127244 <https://doi.org/10.1016/j.fuel.2022.127244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Booksüdatsoon koos keemilise oksüdatsiooniga

Järvik, Oliver; Viiroja, Andres; Kamenev, Sven; Kamenev, Inna XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 30 : ill

Characterization and enhancement of oil shale fly ash from CFB boiler

Pikkor, Heliis; Järvik, Oliver; Lees, Heidi; Konist, Alar; Siirde, Andres; Maaten, Birgit 6th International Conference on Smart and Sustainable Technologies, SpliTech 2021 2021 / p. 1-4 <https://doi.org/10.23919/SpliTech52315.2021.9566470>

Characterization of different wood species as potential feedstocks for gasification

Sulg, Mari; Konist, Alar; Järvik, Oliver Agronomy research 2021 / p. 276-299 <https://doi.org/10.15159/AR.21.005> [Journal metrics at Scopus](#) [Article at Scopus](#)

Characterization of oil shale kerogen semi-coke and its application to remove chemical pollutants from aqueous solutions

Lees, Heidi; Jõul, Piia; Pikkor, Heliis; Järvik, Oliver; Mets, Birgit; Konist, Alar Oil shale 2023 / p. 115-132 : ill <https://doi.org/10.3176/oil.2023.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization of the pyrolytic water from shale oil industry

Maaten, Birgit; Järvik, Oliver; Loo, Lauri; Konist, Alar; Siirde, Andres Oil shale 2018 / p. 365-374 : ill http://kirj.ee/public/oilshale_pdf/2018/issue_4/OS-2018-4-365-374.pdf <https://doi.org/10.3176/oil.2018.4.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ClimMIT - Climate change mitigation with CCS and CCU technologies

Uibu, Mai; Siirde, Andres; Järvik, Oliver; Triikkel, Andres; Yörük, Can Rüstü; Nurk, Gunnar; Kirsimäe, Kalle; Hazak, Aaro; Konist, Alar Proceedings of the 15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 2021 / 9 p <https://ssrn.com/abstract=3812288> <https://doi.org/10.2139/ssrn.3812288>

CO2 - mida sellega peale hakata?

Alvela, Ain Tehnikamaailm 2025 / lk. 66-70 : ill, fot https://www.ester.ee/record=b1073050*est

Co-combustion of coal and oil shale blends in circulating fluidized bed boilers

Konist, Alar; Pikkor, Heliis; Nešumajev, Dmitri; Loo, Lauri; Järvik, Oliver; Siirde, Andres; Pihu, Tõnu Oil shale 2019 / p. 114–127 : ill <https://doi.org/10.3176/oil.2019.2S.03> http://www.kirj.ee/public/oilshale_pdf/2019/issue_2S/OS-2019-2S-114-127.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Co-gasification of biomass and oil shale under CO₂ atmosphere : comparative analysis of fixed-bed reactor, gas chromatography and thermogravimetric analysis coupled with mass spectroscopy (TGA-MS)

Sinisaalu, Mari; Järvik, Oliver; Mets, Birgit; Konist, Alar Bioresource technology 2024 / art. 130086

<https://doi.org/10.1016/j.biortech.2023.130086> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combustion as a possible solution to pyrolytic wastewater utilization

Konist, Alar; Järvik, Oliver; Pihu, Tõnu; Nešumajev, Dmitri Chemical engineering transactions 2018 / p. 859-864 : ill

<https://doi.org/10.3303/CET1870144> [Journal metrics at Scopus](#) [Article at Scopus](#)

Comparison of the ecotoxic properties of oil shale industry by-products to those of coal ash

Lees, Heidi; Järvik, Oliver; Konist, Alar; Siirde, Andres; Maaten, Birgit Oil shale 2022 / p. 1-19 : tab

<https://doi.org/10.3176/oil.2022.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of the most likely low-emission electricity production systems in Estonia

Baird, Zachariah Steven; Nešumajev, Dmitri; Järvik, Oliver; Powell, Kody M. PLoS ONE 2021 / e0261780, 37 p

<https://doi.org/10.1371/journal.pone.0261780> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Computational results of the ecotoxic analysis of fly and bottom ash from oil shale power plants and shale oil production facilities

Lees, Heidi; Järvik, Oliver; Konist, Alar; Siirde, Andres; Maaten, Birgit Chemical engineering transactions 2020 / p. 967-972

<https://doi.org/10.3303/CET2081162> <https://www.scopus.com/record/display.uri?eid=2-s2.0-85092033034&origin=inward&txGid=0c1c7fc07fcc8f2767255413a47fc58b> [Journal metrics at Scopus](#) [Article at Scopus](#)

Co-pyrolysis and co-gasification of biomass and oil shale

Järvik, Oliver; Sulg, Mari; Cascante Cirici, Pau; Eldermann, Meelis; Konist, Alar; Gusca, Julija; Siirde, Andres Environmental and

Climate Technologies 2020 / p. 624–637 : ill <https://doi.org/10.2478/ruect-2020-0038> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Co-pyrolysis of woody biomass and oil shale — a kinetics and modelling study

Lyons Ceron, Alejandro; Ochieng, Richard; Sarker, Shiplu; Järvik, Oliver; Konist, Alar Energies 2024 / art. 1055

<https://doi.org/10.3390/en17051055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Current status of co-pyrolysis of oil shale and biomass

Lyons Ceron, Alejandro; Konist, Alar; Lees, Heidi; Järvik, Oliver Oil shale 2021 / p. 228-263 : tab

<https://doi.org/10.3176/oil.2021.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Deep eutectic solvents as phase change materials for efficient thermal energy storage

Rafique, Nouman; Koel, Mihkel; Järvik, Oliver 7th Edition of the Iberoamerican Meeting on Ionic Liquids 2024 / p. 40

https://media.sci-meet.com/imil2024.events.chemistry.pt/5b2baf78-e9f0-4f60-9f54-9a115d3be118/BookAbstracts_IMIL2024_FINAL_2.pdf

Design of High Volume CFBC Fly Ash Based Calcium Sulphoaluminate Type Binder in Mixtures with Ordinary Portland Cement

Paaver, Peeter; Järvik, Oliver; Kirsimäe, Kalle Materials 2021 / art. 5798 <https://doi.org/10.3390/ma14195798> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Dioxin concentrations and congener distribution in biomass ash from small to large scale biomass combustion plants

Ummik, Mari-Liis; Järvik, Oliver; Konist, Alar Environmental science and pollution research 2024 / p. 58946 - 58956

<https://doi.org/10.1007/s11356-024-35141-5> Journal metrics at Scopus Article at Scopus

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

Ecotoxicity assessment of ashes from calcium-rich fuel combustion: contrasting results and regulatory implications

Ummik, Mari-Liis; Järvik, Oliver; Reinik, Janek; Konist, Alar Environmental science and pollution research 2024 / p. 48523-48533

<https://doi.org/10.1007/s11356-024-34387-3> Journal metrics at Scopus Article at Scopus

Effect of different sweep gases on sulfur behavior during pyrolysis of kukersite oil shale = Pürolüüsi keskkonna 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

Effect of N₂ and CO₂ on shale oil from pyrolysis of Estonian oil shale

Mozaffari, Sepehr; Järvik, Oliver; Baird, Zachariah Steven International journal of coal preparation and utilization 2022 / p. 2908-

2922 <https://doi.org/10.1080/19392699.2021.1914025> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of ozone on viability of activated sludge detected by oxygen uptake rate (OUR) and adenosine-5'-triphosphate (ATP) measurement

Järvik, Oliver; Kamenev, Sven; Kasemets, Kaja; Kamenev, Inna Ozone : science & engineering 2010 / 6, p. 408-416 : ill

<https://www.tandfonline.com/doi/full/10.1080/01919512.2010.522911>

Effect of steam activation on oil shale semi-coke surface properties

Pikkor, Heliis; Konist, Alar; Maaten, Birgit; Järvik, Oliver; Lees, Heidi International Multidisciplinary Conference on Computer and Energy Science (SpliTech) 2021 / 5 p <https://doi.org/10.23919/SpliTech52315.2021.9566397>

Effect of woody biomass gasification process conditions on the composition of the producer gas

Lyons Cerón, Alejandro; Konist, Alar; Lees, Heidi; Järvik, Oliver Sustainability 2021 / art. 11763, 17 p. : ill

<https://doi.org/10.3390/su132111763> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Finding Potential Phase Change Materials Among Ionic Liquids with The Aid of Machine Learning Model

Kaljusmaa, Liisa-Maria; Järvik, Oliver Conference Book : International Conference in Chemistry and Chemical Technology 2023 / p. 71 https://www.cct2023.chgf.vu.lt/images/2023/CCT_2023_Conference_book.pdf

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

Influence of activated carbon on ozonation of phenolic wastewater

Järvik, Oliver; Saarik, Vardo; Osadchuk, Irina; Viiraja, Andres; Kamenev, Inna 20th IOA World Congress - 6th IUVA World Congress : Ozone and UV Leading-Edge Science and Technologies : Paris, France, 23-27 May 2011 : proceedings 2011 / p. VIII.2.11-1 - VIII.2.11-9

Intensification of activated sludge process – the impact of ozone and activated carbon = Aktiivmudaprotsessi intensiivistamine - osoonimise ja aktiivsõe mõju

Järvik, Oliver 2011 https://www.ester.ee/record=b2700068*est

Kinetic Modeling of Deep Oxidative Desulfurization over Functionalized UiO-66 from a Model Fuel Using Complex Reaction Theory

Barghi, Bijan; Möistlik, Tanel; Panov, Deniss; Raag, Anastassia; Järvik, Oliver; Niidu, Allan ACS Omega 2025 / p. 15947-15958 <https://doi.org/10.1021/acsomega.4c06722>

Kliimamuutuste leevendamine läbi CCS JA CCU tehnoloogiate (ClimMit) : lõpparuanne

Siirde, Andres; Järvik, Oliver; Nešumajev, Dmitri; Gušča, Julija; Uibu, Mai; Triikkel, Andres; Pihu, Tõnu; Konist, Alar; Maaten, Birgit; Liira, Martin; Hazak, Aaro; Männasoo, Kadri; Sander, Priit; Kask, Kaia; Poltimäe, Helen; Yörük, Can Rüstü 2021

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](#)

Mineral and heavy metal composition of oil shale ash from oxyfuel combustion

Konist, Alar; Nešumajev, Dmitri; Baird, Zachariah Steven; Anthony, Edward J.; Maasikmets, Marek; Järvik, Oliver ACS Omega 2020 / p. 32498–32506 : ill <https://doi.org/10.1021/acsomega.0c04466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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

Rannaveski, Rivo; Järvik, 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; Järvik, 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](#)

Oil shale pyrolysis products and the fate of sulfur

Maaten, Birgit; Järvik, Oliver; Pihl, Olga; Konist, Alar; Siirde, Andres Oil shale 2020 / p. 51–69 : tab https://www.kirj.ee/33071/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/oil.2020.1.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oliver Järvik: kliimaeesmäärke aitaks kõige paremini täita vaesus

Järvik, Oliver 27. nov. 2023 [Oliver Järvik: kliimaeesmäärke aitaks kõige paremini täita vaesus](#)

On thermal stability of amine and carboxylic acid-based protic ionic liquids

Kaljusmaa, Liisa-Maria; Adamson, Jasper; Järvik, Oliver Book of Abstracts of the 7th International Conference on Ionic Liquid-Based Materials 2023 / p. 97 <https://ilmat2023.events.chemistry.pt/book-of-abstracts>

Ozonation and AOPs for oil shale industry's wastewater treatment : an overview

Munter, Rein; Trapido, Marina; Kallas, Juha; Kamenev, Sven; Preis, Sergei; Viiraja, Andres; Kamenev, Inna; Järvik, Oliver; Kulik, Niina; Veressinina, Jelena Executive summaries : 5th International Conference. 10th IOA-EA3G Berlin Conference on Oxidation Technologies for Water and Wastewater Treatment : Berlin, Germany, March 30 - April 2, 2009 2009 / p. 14/PC25(1-8)

Ozonation and AOPs for oil shale industry's wastewater treatment : an overview

Munter, Rein; Trapido, Marina; Kallas, Juha; Kamenev, Sven; Preis, Sergei; Viiraja, Andres; Kamenev, Inna; Järvik, Oliver; Kulik, Niina; Veressinina, Jelena Ozone news 2009 / 4, p. 17-22

Ozonation of activated sludge in periodic reactors

Järvik, Oliver; Kamenev, Inna Scientific journal of Riga Technical University. 1 series, Material science and applied chemistry 2010 / p. 88-93 : 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

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

Oja, Vahur; Järvik, 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

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

Prediction of surface tension of heteroatom-rich fuel fractions from pyrolysis of oil shale

Järvik, Oliver Jordanian Journal of Engineering and Chemical Industries (JJECI) 2023 / p. 26-33 <https://doi.org/10.48103/jjeci652023>

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](#)

Preparation and characterization of lignin-derived carbon aerogels

Jõul, Piia; Järvik, Oliver; Lees, Heidi; Kallavus, Urve; Koel, Mihkel; Lukk, Tiit Frontiers in chemistry 2023 / art. 1326454 <https://doi.org/10.3389/fchem.2023.1326454> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Purification of phenolic wastewater using aerobic bio-oxidation combined with activated carbon treatment and ozonation

Järvik, Oliver; Kamenev, Inna; Viiraja, Andres; Kallas, Juha Ozone : science & engineering 2010 / 6, p. 417-423 : ill

Purification of phenolic wastewater using aerobic bio-oxidation combined with activated carbon treatment and ozonation

Järvik, Oliver; Kamenev, Inna; Viiraja, Andres; Kallas, Juha Ozone & Related Oxidants in : Advanced Treatment of Water for Human Health and Environment Protection : IOA International Conference Brussels, Belgium, May 15-16, 2008 2008 / p. 1.2-1 - 1.2-10

Põlevkivituhk aitab püüda ohtlikke elemente

Konist, Alar; Järvik, Oliver novaator.err.ee 2024 [Põlevkivituhk aitab püüda ohtlikke elemente](#)

Quantification of oil shale industry ash flows – their chemical and mineralogical composition

Ummik, Mari-Liis; Tamm, Kadriann; Järvik, Oliver; Nešumajev, Dmitri; Roosalu, Kati; Pihu, Tõnu; Konist, Alar Oil shale 2025 / p. 129-166 <https://doi.org/10.3176/oil.2025.2.01>

Recycling bitumen for composite material production : Potential applications in the construction sector

Rikmann, Ergo; Mäeorg, Uno; Vaino, Neeme; Pallav, Vello; Järvik, Oliver; Liiv, Jüri Applied Sciences (Switzerland) 2025 / art. 1313 <https://doi.org/10.3390/app15031313>

Reovee puhastamine aeroobse biooksidatsiooniga kombineeritult aktiivsöetöötusega ja osoonimisega

Järvik, Oliver; Kamenev, Inna; Kallas, Juha XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 25-26

Riik võtab kohustuse neljakordistada 2030. aastaks rohekütuste kasutamist = Estonia aims to quadruple use of green fuels by 2030

Voltri, Johannes err.ee 2024 / Lk. 28 [Riik võtab kohustuse neljakordistada 2030. aastaks rohekütuste kasutamist Estonia aims to quadruple use of green fuels by 2030](#)

Shale gasoline thermal conductivity : experimental data and estimates from correlations for petroleum and coal liquids

Järvik, Oliver ECTP2014 - 20th European Conference on Thermophysical Properties : Porto, Portugal, August 31st-September 4th 2014 : abstracts 2014 / [1] p

Solid heat carrier oil shale retorting technology with integrated CFB technology

Nešumajev, Dmitri; Pihu, Tõnu; Siirde, Andres; Järvik, Oliver; Konist, Alar Oil shale 2019 / p. 99–113 : ill <https://doi.org/10.3176/oil.2019.2S.02> http://www.kiri.ee/public/oilshale_pdf/2019/issue_2S/OS-2019-2S-99-113.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal stability of amine and carboxylic acid based protic ionic liquids from the perspective of thermal energy storage

Kaljusmaa, Liisa-Maria; Tubli, Diandra; Adamson, Jasper; Konist, Alar; Järvik, Oliver Journal of Molecular Liquids 2025 / art. 127396 <https://doi.org/10.1016/j.molliq.2025.127396>

Steam activation of oil shale to enhance the porosity of produced semicoke

Pikkor, Heliis; Lees, Heidi; Konist, Alar; Järvik, Oliver; Maaten, Birgit Energy Sources, Part A : Recovery, Utilization, and Environmental Effects 2022 / p. 9064-9073 <https://doi.org/10.1080/15567036.2022.2128471> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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](#)

Supported ionic liquids for efficient thermal energy storage

Kaljusmaa, Liisa-Maria; Koel, Mihkel; Järvik, Oliver Euchemsil 2024 : Book of Abstracts 2024 / p. 111

<https://euchemsil2024.org/book-of-abstracts>

Surface area of oil shale and its solid pyrolysis products depending on the particle size

Pikkor, Heliis; Maaten, Birgit; Baird, Zachariah Steven; Järvik, Oliver; Konist, Alar; Lees, Heidi Chemical engineering transactions 2020 / p. 961–966 <https://doi.org/0.3303/CET2081161> [Journal metrics at Scopus](#) [Article at Scopus](#)

Surface characterisation of Estonian oil shale semi-coke

Pikkor, Heliis; Lees, Heidi; Maaten, Birgit; Järvik, Oliver; Konist, Alar Chemical engineering transactions 2020 / p. 853-858 : ill

<https://doi.org/0.3303/CET2081143> [Journal metrics at Scopus](#) [Article at Scopus](#)

Teadlane Oliver Järvik: ülikoolis töötavad fanaatikud, kellele töö ongi hobi

Jakobson, Maris postimees.ee 2023 [Teadlane Oliver Järvik: ülikoolis töötavad fanaatikud, kellele töö ongi hobi](#)

Teadlane: kui elekter talvel mitmeks päevaks kaob, pole ahjude keelamine mõeldav

Leis, Tiit postimees.ee 2025 <https://maaelu.postimees.ee/8291935/teadlane-linnades-voib-ahikuttele-piiranguid-tulla>

A technical analysis of oil shale firing power units retrofitting for carbon capture and storage (CCS)

Konist, Alar; Järvik, Oliver; Baird, Zachariah Steven; Nešumajev, Dmitri Proceedings of the 15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 2021 / 7 p <https://doi.org/10.2139/ssrn.3819278>

Techno-economic assessment of CO2 capture possibilities for oil shale power plants

Saia, Artjom; Nešumajev, Dmitri; Hazak, Aaro; Sander, Priit; Järvik, Oliver; Konist, Alar Renewable and sustainable energy reviews 2022 / art. 112938, 11 p. : ill <https://doi.org/10.1016/j.rser.2022.112938> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Baird, Zachariah Steven; Uusi-Kyyny, Petri; Järvik, 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](#)

Trace elements in oil shale ashes and waste wood ashes and their leachability with a focus on chromium

Roosalu, Kati; Kamenev, Inna; Tanilas, Kristel; Reinik, Janek; Järvik, Oliver Oil shale 2025 / p. 273-290 : ill <https://doi.org/10.3176/oil.2025.3.02>

Tuning ester derivatives of organosolv vs technical lignin for improved thermoplastic materials

Mohan, Mahendra Kothottil; Ho, Thi Thuy Tran; Köster, Carmen; Järvik, Oliver; Kulp, Maria; Karpichev, Yevgen Faraday Discussions 2025 <https://doi.org/10.1039/d5fd00068h>

Utilization of pyrolytic wastewater in oil shale fired CFBC boiler

Konist, Alar; Järvik, Oliver; Pikkor, Heliis; Nešumajev, Dmitri; Pihu, Tõnu Journal of cleaner production 2019 / p. 487-493 : ill <https://doi.org/10.1016/j.jclepro.2019.06.213> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uued inimesed ja positsioonid

Nõmm, Sven; Järvik, Oliver; Simm, Anneli Mente et Manu 2023 / lk. 48-49 : fot https://www.ester.ee/record=b1242496*est

Vapor pressures of phenolic compounds found in pyrolysis oil

Mozaffari, Parsa; Järvik, Oliver; Baird, Zachariah Steven Journal of chemical & engineering data 2020 / p. 5559–5566 <https://doi.org/10.1021/acs.jced.0c00675> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Vesiniku kasutamine transpordis ning energeetikas toob omajagu muresid

Klementi, Joakim Joakim Klementi err.ee 2023 [Vesiniku kasutamine transpordis ning energeetikas toob omajagu muresid](#)

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](#)