

Autothermal Siberian pine nutshell pyrolysis maintained by exothermic reactions

Astafev, Alexander; Shantenkov, Ivan; Ibraeva, Kanipa; Tabakaev, Roman; **Preis, Sergei** Energies 2022 / art. 7118
<https://doi.org/10.3390/en15197118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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](#)

Decomposition kinetics of American, Chinese and Estonian oil shales kerogen

Maaten, Birgit; Loo, Lauri; Konist, Alar; Nešumajev, Dmitri; Pihu, Tõnu; Külaots, Indrek Oil shale 2016 / p. 167-183 : ill
<https://doi.org/10.3176/oil.2016.2.05> https://artiklid.elnet.ee/record=b2778470*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 organic matter content and type of mineral matter on the oil yield from oil shales

Johannes, Ille; Luik, Hans; Bojesen-Koefoed, Jorgen; Tiikma, Laine; Vink, Natalia; Luik, Lea Oil shale 2012 / p. 206-221 : ill
https://www.researchgate.net/publication/274439293_Effect_of_organic_matter_content_and_type_of_mineral_matter_on_the_oil_yield_from_oil_shales

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>

Experimental observation of crack formation on surface of charring timber

Rinta-Paavola, Aleks; Ferrantelli, Andrea; Hostikka, Simo Fire safety journal 2024 / art. 104231
<https://doi.org/10.1016/j.firesaf.2024.104231> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Extraction of oil from Jordanian Attarat oil shale

Tiikma, Laine; Johannes, Ille; Luik, Hans; Lepp, Ardi; Šarajeva, Galina Oil shale 2015 / p. 218-239 : ill
<https://doi.org/10.3176/oil.2015.3.03> https://artiklid.elnet.ee/record=b2740510*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of the evolution of sulphur during the thermal degradation of different oil shales

Maaten, Birgit; Loo, Lauri; Konist, Alar; Pihu, Tõnu; Siirde, Andres Journal of analytical and applied pyrolysis 2017 / p. 405-411 : ill
<https://doi.org/10.1016/j.jaap.2017.09.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Migration Activity of Heavy Metals During Pyrolysis of Dried Sewage Sludge in a Fixed-Bed Reactor

Gerasimov, G.Y.; Khaskhachikh, Vladimir; Sychev, G.A.; Zaichenko, V.M. Journal of engineering physics and thermophysics 2023 / p. 112-119 <https://doi.org/10.1007/s10891-023-02667-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mineral matter effect on the decomposition of Ca-rich oil shale

Maaten, Birgit; Loo, Lauri; Konist, Alar; Siirde, Andres Journal of thermal analysis and calorimetry 2018 / p. 2087-2091 : ill
<https://doi.org/10.1007/s10973-017-6823-1> [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](#)

Prediction of total product composition from pyrolysis and gasification of lignocellulosic biomass : a model for reactor design and optimization

Ochieng, Richard; Ceron, Alejandro Lyons; Konist, Alar; Sarker, Shiplu European biomass conference and exhibition proceedings 2023 / p. 959-965 <http://www.etaflorence.it/proceedings/> <https://doi.org/10.5071/31stEUBCE2023-5BV.10.5> [Conference proceedings at Scopus](#) [Article at Scopus](#)

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](#)

Pyrolysis and supercritical water conversion of pine *Pinus sylvestris* ingredients

Luik, Hans; Luik, Lea; Palu, Vilja; Tamvelius, Hindrek 21st European Biomass Conference and Exhibition 2013 / p. 914-917

Reactivities of American, Chinese and Estonian oil shale semi-cokes and Argonne premium coal chars under oxy-fuel combustion conditions

Culin, Chris; Tente, Kevin; **Konist, Alar; Maaten, Birgit; Loo, Lauri** *Oil shale* 2019 / p. 353-369 : ill http://www.kirj.ee/32526/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/oil.2019.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Recent development on sustainable biodiesel production using sewage sludge

Srivastava, Neha; Srivastava, Manish; **Gupta, Vijai Kumar** 3 *Biotech* 2018 / art. 245, 11 p. : ill <https://doi.org/10.1007/s13205-018-1264-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Study of a two-stage pyrolytic conversion of dried sewage sludge into synthesis gas

Gerasimov, Gennadi; **Khaskhachikh, Vladimir**; Sychev, G.A.; Larina, O.M.; Zaichenko, V.M. *Russian Journal of Physical Chemistry B : Focus on Physics* 2022 / p. 1067-1074 <https://doi.org/10.1134/S1990793122060045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

Technical concept and process modeling of a pilot-scale fluidized bed conversion facility

Xu, Fanfan; Nešumajev, Dmitri; Järvik, Oliver; Martins, Ants; Konist, Alar *Fuel* 2026 / art. 137166
<https://doi.org/10.1016/j.fuel.2025.137166>

Thermal decomposition behaviors and kinetic parameter calculations during common reed and its components pyrolysis

Xu, Fanfan; Nešumajev, Dmitri; Konist, Alar *Renewable Energy* 2025 / art. 123130 <https://doi.org/10.1016/j.renene.2025.123130>
<https://www.sciencedirect.com/science/article/pii/S096014812500792X>

Thermal extraction of oil from a Utah Green River (USA) oil shale in autoclaves

Johannes, Ille; Tiikma, Laine; Luik, Hans; Šarajeva, Galina *International journal of engineering and applied sciences (EAAS)* 2015 / p. 23-35 : ill [http://eaas-journal.org/survey/userfiles/files/v6i504%20Oil%20Shale%20and%20Renewables%20Research\(1\).pdf](http://eaas-journal.org/survey/userfiles/files/v6i504%20Oil%20Shale%20and%20Renewables%20Research(1).pdf)

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](#)