

## **Autothermal Siberian pine nutshell pyrolysis maintained by exothermic reactions**

Astafev, Alexander; Shanenkov, 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; Maaten, Birgit; Konist, Alar** Oil shale 2023 / p. 115-132 : ill

<https://doi.org/10.3176/oil.2023.2.02>

## **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>

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## **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

<http://dx.doi.org/10.3176/oil.2016.2.05> [https://artiklid.elnet.ee/record=b2778470\\*est](https://artiklid.elnet.ee/record=b2778470*est)

## **Effect of N<sub>2</sub> and CO<sub>2</sub> 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](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>

## **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

<http://dx.doi.org/10.3176/oil.2015.3.03> [https://artiklid.elnet.ee/record=b2740510\\*est](https://artiklid.elnet.ee/record=b2740510*est)

## **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 <http://dx.doi.org/10.1016/j.jaap.2017.09.007>

## **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>

## **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://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/>

## **Preparation and characterization of lignin-derived carbon aerogels**

**Jõul, Piia; Järvik, Oliver; Lees, Heidi; Kallavus, Urve; Koel, Mihkel; Lukk, Tiit** Frontiers in chemistry 2024 / art. 1326454

<https://doi.org/10.3389/fchem.2023.1326454>

## **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-cookes 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](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

#### **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 <http://dx.doi.org/10.1007/s10973-014-4258-5>