

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

Application of ultrasonic sprayed zirconium oxide dielectric in zinc tin oxide-based thin film transistor

Oluwabi, Abayomi Titilope; Katerski, Atanas; Carlos, Emanuel; Branquinho, Rita; Mere, Arvo; Krunks, Malle; Fortunato, Elvira; Pereira, Luis; Oja Acik, Ilona Journal of materials chemistry C 2020 / p. 3730-3739 : ill <https://doi.org/10.1039/C9TC05127A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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

Carbon aerogel-based solid-phase microextraction coating for the analysis of organophosphorus pesticides

Jõul, Piia; Vaher, Merike; Kuhtinskaja, Maria Analytical methods 2021 / p. 69-76 : ill <https://doi.org/10.1039/D0AY02002H> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Carbon aerogels from 5-methylresorcinol-formaldehyde gels = Süsinikaerogeelid 5-metüülresortsinoolist ja formaldehüüdist

Perez-Caballero, Fernando 2008 <https://digi.lib.ttu.ee/i/?284> https://www.ester.ee/record=b2431316*est

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

Characterisation of samarium and nitrogen co-doped TiO₂ films prepared by chemical spray pyrolysis

Oja Acik, Ilona; Kiisk, Valter; **Krunks, Malle;** Sildos, Ilmo; **Junolainen, Agne; Danilson, Mati; Mere, Arvo; Mikli, Valdek** Applied surface science 2012 / p. 735-741 : ill

Characterisation of zirconium doped titanium dioxide thin films deposited by chemical spray pyrolysis

Oluwabi, Abayomi Titilope; Oja Acik, Ilona; Krunks, Malle; Mikli, Valdek; Juma, Albert Owino Proceedings of 13th International Conference of Young Scientists on Energy Issues : CYSENI 2016 : May 26-27 2016, Kaunas, Lithuania 2016 / p. VII-210 - VII-218

Characterization of disintegrator milled electronic waste powders for combustion and pyrolysis

Kers, Jaan; Goljandin, Dmitri; Vilsaar, Kristiina; Tall, Kaspar; Mikli, Valdek; Zuo, Xiangjun; Zhang, Lifeng 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 61

Characterization of disintegrator milled electronic waste powders for materials recovery

Kers, Jaan; Goljandin, Dmitri; Vilsaar, Kristiina; Tall, Kaspar; Mikli, Valdek; Zuo, Xiangjun; Zhang, L.; Schuman, T. Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 492-497 : ill

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 samarium and nitrogen doped TiO₂ films prepared by spray pyrolysis

Oja Acik, Ilona; Junolainen, Agne; Kiisk, Valter; Sildos, Ilmo; **Danilson, Mati; Krunks, Malle** EMRS-2010 Spring Meeting : Strasbourg, France, June 7-11 : program and book of abstracts. Symposion K 2010 / p. 4

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](#)

Chemical composition of sprayed copper indium disulfide films for nanostructured solar cells = Pihustatud vaskindiumdisulfid-kilede keemiline koostis ja rakendus nanostruktuursetes päikesepatareides

Katerski, Atanas 2011 <https://digi.lib.ttu.ee/i/?524>

Chemical spray pyrolysis deposition of zinc sulfide thin films and zinc oxide nanostructured layers = Tsinksulfiidi õhukesed kiled ning tsinkoksiidi nanostruktuursed kihid keemilise pihustuspürolüüsi meetodil
Dedova, Tatjana 2007 <https://digi.lib.ttu.ee/i/?155> https://www.ester.ee/record=b2324660*est

Chemical vapour deposition growth of graphene and carbon nanotubes on alumina
Ivanov, Roman; Anoshkin, Ilya; **Hussainova, Irina** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

A combined analysis of the drying and decomposition kinetics of wood pyrolysis using non-isothermal thermogravimetric methods

Ochieng, Richard; **Ceron, Alejandro Lyons**; **Konist, Alar**; Sarker, Shiplu Energy conversion and management : X 2023 / art. 100424, 12 p. : ill <https://doi.org/10.1016/j.ecmx.2023.100424> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative study of nanostructured CdS thin films prepared by CBD and spray pyrolysis : annealing effect
Hiie, Jaan; **Dedova, Tatjana**; **Valdna, Vello**; **Muska, Katri** Thin solid films 2006 / p. 443-447 : ill

A comparative study on physical properties of Al-doped zinc oxide thin films deposited from zinc acetate and zinc acetylacetonate by spray pyrolysis

Eensalu, Jako Siim; **Krunks, Malle**; **Gromõko, Inga**; **Katerski, Atanas**; **Mere, Arvo** Energetika 2017 / p. 46-55 : ill
<https://doi.org/10.6001/energetika.v63i2.3519> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Comparison of the thermobituminization kinetics of Baltic oil shale in open retorts and autoclaves

Johannes, Ille; **Tiikma, Laine**; **Zaidentsal, Aleksei** Oil shale 2010 / 1, p. 17-25 : ill
https://www.researchgate.net/publication/229044168_Comparison_of_the_thermobituminization_kinetics_of_Baltic_oil_shale_in_open_retorts_and_autoclaves https://artiklid.elnet.ee/record=b1966221*est

Comparison of the thermobituminization kinetics of Baltic oil shale in open retorts and autoclaves

Johannes, Ille; **Tiikma, Laine** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 70 http://www.ester.ee/record=b4775098*est

Composition and structure of CuInS₂ films prepared by spray pyrolysis

Krunks, Malle; **Mikli, Valdek**; **Bijakina, Olga**; **Rebane, Helen**; **Mere, Arvo**; **Varema, Tiit**; **Mellikov, Enn** Thin solid films 2000 / p. 61-64 : ill

Composition and structure of CuInS₂ films prepared by spray pyrolysis

Krunks, Malle; **Mikli, Valdek**; **Bijakina, Olga**; **Rebane, Helen**; **Mere, Arvo**; **Varema, Tiit**; **Mellikov, Enn** EMRS Spring Meeting : Strasbourg, June 1-4, 1999 : book of abstracts 1999 / p. O-13 <https://www.sciencedirect.com/science/article/abs/pii/S0040609099008354>

Composition of CuInS₂ thin films prepared by spray pyrolysis

Krunks, Malle; **Kijatkina, Olga**; **Rebane, Helen**; **Oja, Ilona**; **Mikli, Valdek**; **Mere, Arvo** E-MRS 2001 Spring Meeting : book of abstracts 2001 / p. P-4

Composition of CuInS₂ thin films prepared by spray pyrolysis

Krunks, Malle; **Kijatkina, Olga**; **Rebane, Helen**; **Oja, Ilona**; **Mikli, Valdek**; **Mere, Arvo** Thin solid films 2002 / p. 71-75 : ill

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](#)

Control of gas emission during pyrolysis of waste printed wiring boards

Luyima, Alex; Zhang, Lifeng; **Kers, Jaan**; Schuman, Thomas EPD Congress 2012 held during the TMS 2012 Annual Meeting & Exhibition : Orlando, Florida, USA, March 11-15, 2012 2012 / p. 237-246 https://scholarsmine.mst.edu/matsci_eng_facwork/306/

Copper indium disulfide films by chemical spray pyrolysis for photovoltaics

Krunks, Malle; **Mere, Arvo**; **Katerski, Atanas** Proceedings of the International Conference on Solar Cells : IC-SOLACE 2008 : January 21-23, 2008, Cochin, India 2008 / p. 16-19

Copper sulfides by chemical spray pyrolysis process

Krunks, Malle; Mellikov, Enn; Bijakina, Olga Abstracts of 17th Nordic Semiconductor Meeting, June 17-20, 1996, Trondheim, Norway 1996 / p. 62-63

Copper sulfides by chemical spray pyrolysis process

Krunks, Malle; Mellikov, Enn; Bijakina, Olga Physica scripta 1997 / p. 189-192

Coprocessing of heavy shale oil with polyethylene waste

Tiikma, Laine; Tamvelius, Hindrek; Luik, Lea Journal of analytical and applied pyrolysis 2007 / 1/2, p. 191-195

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/rtuct-2020-0038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Co-pyrolysis of biomass and oil shale = Biomassi ja põlevkivi koospürolüüs

Lyons Ceron, Alejandro 2024 <https://doi.org/10.23658/taltech.27/2024> https://www.ester.ee/record=b5685170*est <https://digikogu.taltech.ee/et/Item/086c2b08-a10f-4af2-aa9a-1bd3aa07693c>

Co-pyrolysis of biomass woodchips with Ca-rich oil shale fuel in a continuous feed reactor

Lyons Ceron, Alejandro; Pihu, Tõnu; Konist, Alar Oil Shale 2024 / p. 208–235 : ill <https://doi.org/10.3176/oil.2024.3.04>

Copolyrolysis of Estonian oil shale and peat

Sokolova, Julia; Luik, Hans; Palu, Vilja International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 75 http://www.ester.ee/record=b4775098*est

Co-pyrolysis of Estonian oil shale with polymer wastes

Pihl, Olga; Khaskhachikh, Vladimir; Kravetskaja, Julia; Niidu, Allan; Siirde, Andres ACS omega 2021 / p. 31658–31666 : ill <https://doi.org/10.1021/acsomega.1c04188> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Co-pyrolysis of Estonian oil shale with polymer wastes = Eesti põlevkivi ja polümeerjätmete koospürolüüs

Pihl, Olga 2022 <https://doi.org/10.23658/taltech.36/2022> https://www.ester.ee/record=b5503196*est <https://digikogu.taltech.ee/et/Item/ab6c2255-91b6-4ce5-b26e-95665266870e>

Copolyrolysis of heavy shale oil with waste polyethylene

Tiikma, Laine; Tamvelius, Hindrek; Luik, Lea 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 159

Co-pyrolysis of oil shale with refuse-derived fuel

Tiikma, Laine; Biene, Tuuliki; Bitjukov, Mihhail; Vink, Natalia International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 / p. 69-70

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](#)

Co-Pyrolysis of Woody Biomass and Oil Shale in a Batch Reactor in CO₂, CO₂-H₂O, and Ar Atmospheres

Lyons Ceron, Alejandro; Konist, Alar Energies 2023 / art. 3145 <https://doi.org/10.3390/en16073145> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Crystal quality studies of CuInS₂ films prepared by spray pyrolysis

Oja, Ilona; Nanu, M.; Katerski, Atanas; Krunks, Malle; Mere, Arvo; Raudoja, Jaan; Goossens, A. Thin solid films 2005 / p. 82-86 : ill

CuInS₂ thin films: formation by spray pyrolysis and properties

Krunks, Malle; Bijakina, Olga; Mikli, Valdek; Mellikov, Enn The Fourth Baltic Symposium on Atomic Layer Epitaxy, Tartu, Estonia, October 10-11, 1997 : abstracts 1997 / p. 30

CuInS₂ õhukesed kiled fotoelementidele pihustus-pürolüüsi meetodil

Krunks, Malle; Bijakina, Olga; Varema, Tiit; Mere, Arvo; Mikli, Valdek XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 60-61

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](#)

Dealkylation kinetics of alkylresorcinols by shock heating pyrolysis

Luik, Hans; Tiikma, Laine; Johannes, Ille; Kruusement, Kristjan 20th International Symposium on Analytical and Applied Pyrolysis : PYRO 2014 : 19-23 May 2014, Birmingham, UK : conference guide and abstracts 2014 / p. 79

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

Deposition of copper indium disulphide films by chemical spray pyrolysis

Kijatkina, Olga 2004 https://www.ester.ee/record=b1926863*est

Deposition of In₂S₃ thin films by chemical spray pyrolysis = In₂S₃ õhukesed kiled keemilise pihustuspürolüüsi meetodil

Otto, Kairi 2012 https://www.ester.ee/record=b2887804*est

Deposition of p-type NiO films by chemical spray pyrolysis

Krunks, Malle; Soon, Jaanika; Unt, Tarmo; Mere, Arvo; Mikli, Valdek Vacuum 2014 / p. 242-246 : ill <https://doi.org/10.1016/j.vacuum.2014.02.013> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Deposition of Sb₂Se₃ thin films by ultrasonic spray pyrolysis for photovoltaic applications = Päikesepatareides rakendatavate Sb₂Se₃ õhukeste kiled sadestamine ultrahelipihustuspürolüüsi meetodil

Eensalu, Jako Siim 2022 <https://doi.org/10.23658/taltech.1/2022> <https://digikogu.taltech.ee/et/Item/6c2df448-6e67-496b-9e31-87205057d560> https://www.ester.ee/record=b5492121*est

Determination of charge carrier density in zinc oxide nanorods prepared by chemical spray pyrolysis

Kärber, Erki; Dedova, Tatjana; Oja Acik, Ilona; Krunks, Malle; Mere, Arvo; Mikli, Valdek Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27-28, 2010, Kaunas, Lithuania 2010 / p. 340-344

Development of liquification process through thermobitumen stage

Zaidentsal, Aleksei; Doilov, Svjatoslav; Johannes, Ille; Kaev, Mihhail; Kaidalov, Kirill; Soone, Jüri International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 76-77 http://www.ester.ee/record=b4775098*est

Development of spray pyrolysis-synthesised Bi₂O₃ thin films for photocatalytic applications

Sydorenko, Jekaterina; Krunks, Malle; Katerski, Atanas; Grzibovskis, Raitis; Vembris, Aivars; Mere, Arvo; Spalatu, Nicolae; Oja Acik, Ilona RSC advances 2024 / p. 19648-19657 <https://doi.org/10.1039/D4RA02907K> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of sprayed CuInS₂ thin film absorber for nanostructured solar cell

Katerski, Atanas; Kärber, Erki; Krunks, Malle; Mikli, Valdek; Mere, Arvo Materials Research Society symposium proceedings 2012 https://www.researchgate.net/publication/271903084_Development_of_sprayed_CuInS2_thin_film_absorber_for_nanostructured_solar_cell

Development of spray-pyrolysis-synthesised TiO₂ thin films for photocatalytic degradation of volatile organic compounds in air = Pihustuspürolüüsiga sünteesitud TiO₂ õhukeste kiled väljatöötamine lenduvate orgaaniliste ühendite fotokatalüütiliseks lagundamiseks õhus

Sydorenko, Jekaterina 2023 <https://doi.org/10.23658/taltech.6/2023> <https://digikogu.taltech.ee/et/Item/56de388b-6916-458a-8db7-641bb9aca644> https://www.ester.ee/record=b5542586*est

Development of ZNO nanorods and NIO film based photocatalysts by solution methods for degradation of dyes in aqueous solution

Chen, Zengjun; Dedova, Tatjana; Krunks, Malle Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 13 p [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](https://www.gsfmt.ee/abstracts/2022)

Doktoritöö: põlevkivile biomassi lisades saab toota puhtamaid kütuseid

Ceron, Alejandro Lyons novaator.err.ee 2025 [Doktoritöö: põlevkivile biomassi lisades saab toota puhtamaid kütuseid](https://novaator.err.ee/record=b4481084*est)

Eesti Energia rajab Ida-Virumaale rohelisse tulevikku sobituvat keemiatööstust

TööstusEST 2024 / lk. 50-51 https://www.ester.ee/record=b4481084*est

Eesti tänavused teadussaavutused ulatuvad mammutitest vesinikuni

Pärm, Rein Postimees 2024 / lk. 10-11 <https://dea.digar.ee/article/postimees/2024/12/31/7.1> <https://teadus.postimees.ee/8163134/eesti-teadussaavutused-aastal-2024-mammutitest-vesinikuni>

Effect of different sweep gases on sulfur behavior during pyrolysis of kukersite oil shale = Pürolüüsikeskkonna mõju väävlü 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>

Effect of different temperature-time combinations in kerogen pyrolysis to thermobitumen and oil

Šarajeva, Galina; Luik, Lea; Luik, Hans International journal of environmental engineering 2015 / p. 174-181 : ill

<http://seekdl.org/nm.php?id=5785>

Effect of different temperature-time combinations in kerogen pyrolysis to thermobitumen and oil

Luik, Lea; Luik, Hans; Šarajeva, Galina 20th International Symposium on Analytical and Applied Pyrolysis : PYRO 2014 : 19-23 May 2014, Birmingham, UK : conference guide and abstracts 2014 / p. 80

Effect of different temperature-time combinations in kerogen pyrolysis to thermobitumen and oil

Šarajeva, Galina; Luik, Lea; Luik, Hans 2014 proceedings of Second International Conference On Advances in Applied Science and Environmental Engineering : 20-21 December, 2014, Kuala Lumpur, Malaysia 2014 / p. 40-47 : ill

Effect of H₂S treatment on properties of CuInS₂ thin films deposited by chemical spray pyrolysis at low temperature

Kärber, Erki; Katerski, Atanas; Oja Acik, Ilona; Mikli, Valdek; Mere, Arvo; Krunks, Malle Thin solid films 2011 / p. 7180-7183 : ill

Effect of leaching pre-treatment on the char reactivity of pyrolyzed wheat straw [Electronic resource]

Link, Siim; Arvelakis, Stelios; Paist, Aadu; Hupa, Mikko; Yrjas, Patrik; Külaots, Indrek 17th European Biomass Conference & Exhibition : from Research to Industry and Markets : proceedings of the International Conference held in Hamburg, Germany, 29 June - 3 July 2009 2009 / p. 1113-1121 [DVD]

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-Koefted, 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 solution composition on anatase to rutile transformation of sprayed TiO₂ thin films

Juma, Albert Owino; Oja Acik, Ilona; Mikli, Valdek; Mere, Arvo; Krunks, Malle Thin solid films 2015 / p. 287-292 : ill <https://doi.org/10.1016/j.tsf.2015.03.036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 substrate morphology on the nucleation and growth of ZnO nanorods prepared by spray pyrolysis

Dedova, Tatjana; Oja Acik, Ilona; Krunks, Malle; Mikli, Valdek; Volobujeva, Olga; Mere, Arvo Thin solid films 2012 / p. 4650-4653 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0040609011020827>

Effect of Zn:S molar ratio in solution on the properties of ZnS thin films and the formation of ZnS nanorods by spray pyrolysis

Dedova, Tatjana; Krunks, Malle; Gromöko, Inga; Mikli, Valdek; Sildos, Ilmo; Utt, Kathriin; Unt, Tarmo Physica status solidi (a) : applications and materials science 2014 / p. 514-521 : ill <https://doi.org/10.1002/pssa.201300215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of Zr doping on the structural and electrical properties of spray deposited TiO₂ thin films

Oluwabi, Abayomi Titilope; Juma, Albert Owino; Oja Acik, Ilona; Mere, Arvo; Krunks, Malle Proceedings of the Estonian Academy of Sciences 2018 / p. 147-157 : ill <https://doi.org/10.3176/proc.2018.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of the titanium isopropoxide : acetylacetone molar ratio on the photocatalytic activity of TiO₂ thin films : [conference paper]

Spiridonova, Jekaterina; Katerski, Atanas; Danilson, Mati; Kritševskaja, Marina; Krunks, Malle; Oja Acik, Ilona GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 78 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Effect of titanium(IV)isopropoxide and acetylacetone molar ratio in the solution on spray deposited TiO₂ films

Oja Acik, Ilona; Krunks, Malle; Mere, Arvo; Otto, Kairi; Mikli, Valdek TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p

Effect of titanium(IV)isopropoxide and acetylacetone molar ratio in the solution on spray deposited TiO₂ films

Junolainen, Agne; Oja Acik, Ilona; Mikli, Valdek; Krunks, Malle E-MRS 2011 Spring Meeting : program and book of abstracts. Symp. D : Nice, May 9-13, 2011 / p. 18

Electrical characterization of all-layers-sprayed solar cell based on ZnO nanorods and extremely thin CIS absorber
Kärber, Erki; Katerski, Atanas; Krunks, Malle Solar energy 2013 / p. 48-58 : ill <https://doi.org/10.1016/j.solener.2013.01.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrical characterization of nanostructured CIS solar cell prepared by chemical spray pyrolysis
Kärber, Erki; Abass, Aimi; Khelifi, Samira; Burgelman, Marc; Mere, Arvo; Katerski, Atanas; Krunks, Malle NEXTGEN NANO PV : book of abstracts 2013 / p. 80-81

Electrospun polyacrylonitrile-derived Co and Fe containing nanofibre catalysts for oxygen reduction reaction at the alkaline membrane fuel cell cathode
Mooste, Marek; Kibena-Pöldsepp, Elo; Vassiljeva, Viktoria; Kikas, Arvo; Käärik, Maike; Kozlova, Jekaterina; Kisand, Vambola; Külaviir, Marian; Cavaliere, S.; Leis, Jaan; Krumme, Andres; Sammelselg, Väino; Holdcroft, Steven; Tammeveski, Kaido ChemCatChem 2020 / p. 4568-4581 : ill <https://doi.org/10.1002/cctc.202000658> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhanced visible and ultraviolet light-induced gas-phase photocatalytic activity of TiO₂ thin films modified by increased amount of acetylacetone in precursor solution for spray pyrolysis
Spiridonova, Jekaterina; Mere, Arvo; Krunks, Malle; Rosenberg, Merilin; Kahru, Anne; Danilson, Mati; Kritševskaja, Marina; Oja Acik, Ilona Catalysts 2020 / 21 p. : ill <https://doi.org/10.3390/catal10091011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of oil potential and pyrolysis kinetics of renewable fuel and oil shale samples by rock-eval analyzer
Johannes, Ille; Kruusement, Kristjan; Veski, Rein 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 157

Evaluation of oil potential and pyrolysis kinetics of renewable fuel and shale samples by Rock-Eval analyzer
Johannes, Ille; Kruusement, Kristjan; Veski, Rein Journal of analytical and applied pyrolysis 2007 / 1/2, p. 183-190

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](#)

Experimental and modeling studies of intermediate pyrolysis of wood in a laboratory-scale continuous feed retort reactor
Ochieng, Richard; Ceron, Alejandro Lyons; Konist, Alar; Sarker, Shilpu Bioresource technology reports 2023 / art. 101650 <https://doi.org/10.1016/j.biteb.2023.101650> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

Extremely thin absorber layer nanostructured solar cell by chemical spray pyrolysis
Mere, Arvo; Katerski, Atanas; Dedova, Tatjana; Oja Acik, Ilona; Krunks, Malle Proceedings 23rd European Photovoltaic Solar Energy Conference : 1-5 September, 2008, Valencia, Spain 2008 / p. 2147-2150

Fast pyrolysis as a new approach to the upgrading of oil shale retorting methods
Pikkor, Heliis; Maaten, Birgit; Siirde, Andres International IX Oil Shale Conference 2017 "Oil Shale Industry in Circular Economy" : 15th-16th November 2017, [Jõhvi], Ida-Viru County, Estonia : summary 2017 / p. 23 http://www.ester.ee/record=b4751282*est

Fast pyrolysis of Estonian oil shale
Arpiainen, Vesa; Luik, Hans; Luik, Lea; Oasmaa, Anja; Solantausta, Yrjö International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 29-30 http://www.ester.ee/record=b4775098*est

Fixation of chlorine evolved in pyrolysis of PVC waste by Estonian oil shales
Tiikma, Laine; Johannes, Ille; Luik, Hans Journal of analytical and applied pyrolysis 2006 / 2, p. 205-210 : ill

Fluidized bed pyrolysis as a new approach for shale oil production
Pikkor, Heliis; Siirde, Andres 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering".

Formation and recrystallization of CuInS₂ films in spray pyrolytic process

Krunks, Malle; Bijakina, Olga; Mikli, Valdek; Varema, Tiit 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 33

Formation of AlB₂VI films by spray pyrolysis

Krunks, Malle; Mellikov, Enn; Sork, Eeve; Iljina, Natalja Journal of materials and product. technology 1991

Formation of AlB₂VI films by spray pyrolysis

Krunks, Malle; Mellikov, Enn Chair of Semiconductor Materials Technology : activity report, 1988-1993 1994 / p. 28-30

Formation of CdS and CdZnS films by spray pyrolysis

Krunks, Malle; Mellikov, Enn; Sork, Eeve 11th International Symposium on Photon-Detectors, Weimar, September, 11-13, 1984 1984 / S. 24

Formation of CdS films by spray pyrolysis

Krunks, Malle; Mellikov, Enn; Sork, Eeve Thin solid films 1986 / p. 105-109

<https://www.sciencedirect.com/science/article/abs/pii/0040609086902579> https://www.eester.ee/record=b1202480*est

Formation of CdS thin films by spray pyrolysis

Krunks, Malle; Mellikov, Enn; Iljina, Natalja; Sork, Eeve Международная конференция Химия твердого тела. Т. 2 1990 / с. 152

Formation of CuInS₂ in spray pyrolysis as simulated by thermal analysis

Krunks, Malle; Leskelä, Tuula; Niinistö, Lauri Japanese journal of applied physics 2000 / p. 181-186

Formation of CuInS₂ thin films by chemical spray pyrolysis

Krunks, Malle; Bijakina, Olga; Mellikov, Enn; Varema, Tiit Book of Abstracts of the 11th International Conference on Ternary & Multinary Compounds, 8-12 September 1997, Salford, England 1997 / p. 2.28

Formation of CuInS₂ thin films by chemical spray pyrolysis

Krunks, Malle; Bijakina, Olga; Mellikov, Enn; Varema, Tiit Ternary and Multinary Compounds : proceedings of the 11th International Conference on Ternary and Multinary Compounds, ICTMC-11, University of Salford, 8-12 September 1997 1998 / p. 325-328: ill

Formation of metal sulfide thin films in chemical spray pyrolysis process

Krunks, Malle Pyrolysis 2002 : 15th International Symposium on Analytical and Applied Pyrolysis, Leoben, Austria, September 17th to 20th 2002 : abstracts volume 2002 / p. 59

Formation of thermobitumen from oil shale by low-temperature pyrolysis in an autoclave

Tiikma, Laine; Zaidentsal, Aleksei; Tensorer, M. Oil shale 2007 / 4, p. 535-546 : ill https://artiklid.elnet.ee/record=b2376557*est

Green pyrolysis of used printed wiring board powders

Damoah, L.; Zuo, Xiangjun; Zhang, Lifeng; Schuman, T.; Kers, Jaan Recycling of Electronic Waste II : proceedings of the Second Symposium 2011 / p. 17-24 <https://onlinelibrary.wiley.com/doi/10.1002/9781118086391.ch3>

Growth and electrical properties of ZnO nanorod arrays prepared by chemical spray pyrolysis

Krunks, Malle; Dedova, Tatjana; Kärber, Erki; Mikli, Valdek; Oja Acik, Ilona; Grossberg, Maarja; Mere, Arvo Physica B 2009 / p. 4422-4425 : ill

Growth and properties of ZnO films on polymeric substrate by spray pyrolysis method

Kriisa, Merike; Kärber, Erki; Krunks, Malle; Mikli, Valdek; Unt, Tarmo; Kukk, Mart; Mere, Arvo Thin solid films 2014 / p. 87-92 : ill <https://doi.org/10.1016/j.tsf.2013.05.150> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Growth and recrystallization of CuInS₂ films in spray pyrolytic process

Krunks, Malle; Mikli, Valdek; Bijakina, Olga; Mellikov, Enn Applied surface science 1999 / p. 356-361: ill

Growth and recrystallization of CuInS₂ films in spray pyrolytic process

Krunks, Malle; Mikli, Valdek; Bijakina, Olga; Varema, Tiit; Mellikov, Enn Ninth International Conference on Solid Films and Surfaces : ICSFS-9 : July 6th - 10th, 1998, Copenhagen, Denmark : final program & the book of abstracts 1998 / p. P1.CG.13 <https://ui.adsabs.harvard.edu/abs/1999ApSS..142..356K/abstract>

Growth of zinc oxide nanostructured layers on SnO₂ electrodes by spray pyrolysis

Dedova, Tatjana; Volobujeva, Olga; Gromõko, Inga; Mikli, Valdek; Mere, Arvo; Krunks, Malle TÜ ja TTÜ doktorikool

Growth of ZnO rods on FTO electrodes by spray pyrolysis

Dedova, Tatjana; Volobujeva, Olga; Krunks, Malle; Mikli, Valdek; Gromõko, Inga; Katerski, Atanas; Mere, Arvo IOP conference series : materials science and engineering 2013 / [4] p. : ill <https://doi.org/10.1088/1757-899X/49/1/012001> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Growth of ultra-thin TiO₂ films by spray pyrolysis on different substrates

Oja Acik, Ilona; Junolainen, Agne; Mikli, Valdek; Danilson, Mati; Krunks, Malle Applied surface science 2009 / 5, p. 1391-1394 : ill

High-K ZrO₂ thin films by chemical spray pyrolysis method [Online resource]

Oluwabi, Abayomi Titilope; Oja Acik, Ilona; Katerski, Atanas; Krunks, Malle 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/>

High-κ metal oxide thin film by chemical spray pyrolysis : from optimization of material properties to application in thin film transistor = Metallioksiidi õhukesed kiled keemilise pihustuspürolüüsi meetodil : materjali omaduste optimeerimine ja rakendamine õhukesekilelistes transistorides

Oluwabi, Abayomi Titilope 2020 <https://digikogu.taltech.ee/et/Item/4b6d9afd-74d2-40ac-9c12-335d2f608474>
https://www.ester.ee/record=b5362429*est

Impacts of different solvents and substrates on properties of zinc oxide nanorod layers prepared by chemical spray pyrolysis

Annert, Katre; Vent, Merike; Dedova, Tatjana; Kärber, Erki; Oja Acik, Ilona; Volobujeva, Olga; Mere, Arvo; Krunks, Malle; Mikli, Valdek Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27-28, 2010, Kaunas, Lithuania 2010 / p.301-309

In₂S₃ kilede moodustumine pihustuspürolüüsi protsessis : termoanalüütiline uuring

Otto, Kairi; Oja Acik, Ilona; Tõnsuaadu, Kaia; Krunks, Malle XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 70

In₂S₃ õhukeste kilede sadestamine pihustuspürolüüsi meetodil

Otto, Kairi; Katerski, Atanas; Mere, Arvo; Krunks, Malle XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 60

Indium sulfide thin films deposited by chemical spray of aqueous and alcoholic solutions

Otto, Kairi; Katerski, Atanas; Volobujeva, Olga; Mere, Arvo; Krunks, Malle Energy procedia 2011 / p. 63-69

Influence of the end-temperature on the oil shale fast pyrolysis process and its products

Maaten, Birgit; Siirde, Andres; Vahur, Signe; Kirsimäe, Kalle Journal of thermal analysis and calorimetry 2023 / p. 1647-1655 : ill <https://doi.org/10.1007/s10973-022-11567-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Innovaatiliste ja keskkonnasõbralike põlevkivi või selle saaduste töötlemise tehnoloogiate arendamine

Siirde, Andres TeadusEST 2021 : teaduse roll riigi juhtimisel 2021 / lk. 8 : ill https://www.ester.ee/record=b5482277*est

Insights into TiO₂ thin film photodegradation from Kelvin Probe AFM maps

Olukan, Tuza; Sydorenko, Jekaterina; Katerski, Atanas; Al Mahri, Mariam; Lai, Chia-Yun; Al-Hagri, Abdulrahman; Santos, Sergio; Chiesa, Matteo Applied physics letters 2022 / art. 031901 <https://doi.org/10.1063/5.0098788> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In-situ deposition of gold nanoparticles onto different substrates by chemical spray pyrolysis

Oja Acik, Ilona; Oyekoya, Gboyega Nathaniel; Mere, Arvo; Katerski, Atanas; Mikli, Valdek; Krunks, Malle IOP conference series : materials science and engineering 2015 / 5 p. : ill <https://doi.org/10.1088/1757-899X/77/1/012009> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Interaction of Estonian oil shales with plastic wastes at their copyrolysis

Tiikma, Laine; Johannes, Ille International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 77-78 http://www.ester.ee/record=b4775098*est

Intermediate compounds in formation of copper sulfides by spray pyrolysis

Krunks, Malle; Mellikov, Enn; Bijakina, Olga Proceedings of the Estonian Academy of Sciences. Engineering 1996 / 1, p. 98-106: ill

Investigating the pyrolysis of oil shale using TGA-MS

Maaten, Birgit; Konist, Alar; Siirde, Andres International IX Oil Shale Conference 2017 "Oil Shale Industry in Circular Economy" : 15th-16th November 2017, [Jõhvi], Ida-Viru County, Estonia : summary 2017 / p. 30 : ill http://www.ester.ee/record=b4751282*est

Investigating the pyrolysis of oil shale using TGA-MS [Online resource]

Maaten, Birgit; Konist, Alar; Siirde, Andres Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fmdtk.ut.ee/teesid/>

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

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](#)

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

Kas see uus meetod aitab Eestis lahti saada kogu plastijäägist?

Alvela, Ain postimees.ee 2023 [Kas see uus meetod aitab Eestis lahti saada kogu plastijäägist?](#)

Kerge gaasiliste küllastamatute süsivesinikkude tootmine põlevkiviõli pürolüüsil : dissertatsioonitöö tehniliste teaduste kandidaadi teadusliku astme taotlemiseks

Lille, Ülo 1960 https://www.ester.ee/record=b2955204*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

Kommipaberitestaja tuulikulabadest saab vesinikku

Imeline Teadus 2024 / lk. 23 : fot https://www.ester.ee/record=b2747925*est

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 refereaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 105-106 https://www.ester.ee/record=b1070511*est

Low temperature pyrolysis of graptolite argillite (Dictyonema shale) in autoclaves

Šarajeva, Galina; Tiikma, Laine; Luik, Hans; Johannes, Ille International journal of engineering research and applications 2015 / p. 16-22 : ill http://www.ijera.com/papers/Vol5_issue11/Part%20-%201/D511011622.pdf

Low-cost plasmonic solar cells prepared by chemical spray pyrolysis

Kärber, Erki; Katerski, Atanas; Oja Acik, Ilona; Mikli, Valdek; Mere, Arvo; Sildos, Ilmo; Krunks, Malle The Beilstein journal of nanotechnology 2014 / p. 2398-2402 : ill <https://doi.org/10.3762/bjnano.5.249> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Low-temperature pyrolysis and co-pyrolysis of Göynük oil shale and terebinth berries (Turkey) in an autoclave

Yanik, J.; Secim, P.; Karakaya, S.; Tiikma, Laine; Luik, Hans; Krasulina, Julia; Raik, Peep; Palu, Vilja Oil shale 2011 / p. 469-486 : ill https://artiklid.elnet.ee/record=b2463385*est

Low-temperature synthesis of ZnO layers assisted by chemical processes

Polivtseva, Svetlana; Dedova, Tatjana; Bereznev, Sergei; Kois, Julia; Tõnsuaadu, Kaia; Volobujeva, Olga; Juma, Albert Owino 12th European Symposium on Thermal Analysis and Calorimetry ESTAC 12 : 27-30 August 2018, Brasov, Romania : book of abstracts 2018 / PS1.016, p. 200 <http://estac12.org/download.php?f=../download/BoA%20ESTAC12.pdf>

Mathematical modeling of synergy in co-pyrolysis

Johannes, Ille; Tiikma, Laine; Palu, Vilja; Jurjeva, Jelena International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 / p. 66

Metal complexes as precursors for thin films deposited by chemical spray pyrolysis

Krunks, Malle ESTAC-11 : the 11th European Symposium on Thermal Analysis and Calorimetry : Dipoli Congress Center, Espoo, Finland, August 17-21, 2014 : abstracts 2014 / p. 256

Metal sulfide thin films by chemical spray pyrolysis

Krunks, Malle; Mellikov, Enn Proceedings of SPIE 2001 / p. 60-65

Metal sulfide thin films by chemical spray pyrolysis

Krunks, Malle; Mellikov, Enn Abstracts of International Conference Advanced Optical Materials and Devices 2000 / p. 37

Microwave pyrolysis of cattle manure : initiation mechanism and product characteristics

Tabakaev, Roman; Kalinich, Ivan; Mostovshchikov, Andrei; Dimitryuk, Igor; Asilbekov, Askar; Ibraeva, Kanipa; Gaidabrus, Mariya; Shanenkov, Ivan; Rudmin, Maxim; Yazykov, Nikolay; **Preis, Sergei** Biomass Conversion and Biorefinery 2024 / p. 26193-26204
<https://doi.org/10.1007/s13399-023-04686-9> [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](#)

Modification of light absorption in thin CuInS₂ films by sprayed Au nanoparticles

Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Dolgov, Leonid; Mere, Arvo; Sildos, Ilmo; Mikli, Valdek; Krunks, Malle Nanoscale research letters 2014 / p. 1-6 : ill <https://doi.org/10.1186/1556-276X-9-494> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Nanocrystalline thin films by chemical methods

Krunks, Malle Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 5-6

Nanostructured layers of ZnS obtained by spray pyrolysis

Dedova, Tatjana; Gromõko, Inga; Mikli, Valdek; Volobujeva, Olga; Utt, Kathriin; Sildos, Ilmo; Mere, Arvo; Krunks, Malle E-MRS 2013 Spring Meeting. Symposium P, Functional nanowires : synthesis, characterization and applications : poster session II 2013 / p. 15

Nanostructured solar cell based on spray pyrolysis deposited ZnO nanorod array

Krunks, Malle; Katerski, Atanas; Dedova, Tatjana; Oja Acik, Ilona; Mere, Arvo Solar energy materials & solar cells 2008 / p. 1016-1019 : ill <https://www.sciencedirect.com/science/article/pii/S0927024808000871>

Nanostructured solar cell by spray pyrolysis : effect of titania barrier layer on the cell performance

Oja Acik, Ilona; Katerski, Atanas; Mere, Arvo; Aarik, Jaan; Aidla, Aleks; Dedova, Tatjana; Krunks, Malle Thin solid films 2009 / p. 2443-2447 : ill <https://doi.org/10.1016/j.tsf.2008.11.018>

Nanostructured solar cells on ZnO nanorods by chemical spray

Krunks, Malle Book of Abstracts of 2nd Semiconductor Sensitized Solar Cells Conference : September 18th-20th, 2011, Mallorca, Spain 2011 / p. A2.4

Nickel oxide films by chemical spray : effect of deposition temperature and solvent type on structural, optical, and surface properties

Chen, Zengjun; Dedova, Tatjana; Oja Acik, Ilona; Danilson, Mati; Krunks, Malle Applied surface science 2021 / art. 149118
<https://doi.org/10.1016/j.apsusc.2021.149118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

NiO thin films deposited by chemical spray pyrolysis

Soon, Jaanika; Krunks, Malle; Mikli, Valdek; Unt, Tarmo; Mere, Arvo NANOSMAT Conference, 22-25 September 2013,

Niobium doped TiO₂ films by chemical spray pyrolysis [Online resource]

Dündar, Ibrahim; Oja Acik, Ilona; Mere, Arvo; Katerski, Atanas; Krunks, Malle; Mikli, Valdek Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fntdk.ut.ee/teesid/>

Niobium doped TiO₂ layers by chemical spray pyrolysis

Dündar, Ibrahim; Oja Acik, Ilona; Mere, Arvo; Katerski, Atanas; Krunks, Malle; Mikli, Valdek Proceedings of 13th International Conference of Young Scientists on Energy Issues : CYSENI 2016 : May 26-27 2016, Kaunas, Lithuania 2016 / p. VII-241 - VII-250

A novel deposition method to grow ZnO nanorods : spray pyrolysis

Dedova, Tatjana; Krunks, Malle; Grossberg, Maarja; Volobujeva, Olga; Oja Acik, Ilona Superlattices and microstructures 2007 / p. 444-450 : ill

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

Olav Aarna personaalnimestik : [bibliograafia]

2012 https://www.ester.ee/record=b2783379*est

Olga Pihl: armastus teadustöö vastu viib labori tippu

Pihl, Olga postimees.ee 2023 [Olga Pihl: armastus teadustöö vastu viib labori tippu](#)

Olga Pihli ja tema tiimi teadustöö plastjäätmete koospürolüüsist pälvib Tallinna kõrge tunnustuse

Mente et Manu 2022 / lk. 10 https://www.ester.ee/record=b1242496*est

Parallels between slow pyrolysis of Estonian oil shale and forest biomass residues

Luik, Hans; Luik, Lea; Tiikma, Laine; Vink, Natalia Journal of analytical and applied pyrolysis 2007 / 1/2, p. 205-209

Parallels between slow pyrolysis of Estonian oil shale and forest biomass residues

Luik, Hans; Luik, Lea; Tiikma, Laine; Vink, Natalia 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 158

Peat semicoking and hydrocracking

Luik, Hans; Palu, Vilja; Luik, Lea; Sokolova, Julia 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. 248 <https://www.sciencedirect.com/science/article/pii/S0165237008001241>

Peat semicoking and hydrocracking

Luik, Hans; Palu, Vilja; Luik, Lea; Sokolova, Julia; Bojesen-Koefoed, Jorgen Journal of analytical and applied pyrolysis 2009 / 1/2, p. 497-501 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0165237008001241>

Photocatalytic degradation of different VOCs in the gas-phase over TiO₂ thin films prepared by ultrasonic spray pyrolysis

Dundar, Ibrahim; Kritševskaja, Marina; Katerski, Atanas; Krunks, Malle; Oja Acik, Ilona Catalysts 2019 / art. 915 ; 18 p. : ill <https://doi.org/10.3390/catal9110915> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photocatalytic TiO₂ thin films by ultrasonic spray pyrolysis for air purification

Dündar, Ibrahim; Kritševskaja, Marina; Katerski, Atanas; Krunks, Malle; Oja Acik, Ilona GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 21 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Photoluminescence of spray pyrolysis deposited ZnO nanorods

Kärber, Erki; Raadik, Taavi; Dedova, Tatjana; Krustok, Jüri; Mere, Arvo; Mikli, Valdek; Krunks, Malle Nanoscale research letters 2011 / [7] p.: ill

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 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Pihustatud CuInS₂ õhukeste kilede keemiline ja faasikoostis

Kijatkina, Olga; Rebane, Helen; Oja, Ilona; Krunks, Malle; Mikli, Valdek; Mere, Arvo XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 52

Pihustuspürolüüsi meetodil sadestatud CuInS₂ kilede lähteainete termiline lagunemine

Mere, Arvo; Oja Acik, Ilona; Otto, Kairi; Krunks, Malle; Tõnsuaadu, Kaia XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 46

Pihustuspürolüüsi meetodil vaserikastest lahustest valmistatud CuInS₂ kilede omadused

Rebane, Helen; Kijatkina, Olga; Mikli, Valdek; Leomar, Hedi; Krunks, Malle XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 111

Plasmon resonance effect caused by gold nanoparticles formed on titanium oxide films

Tamm, Aile; Oja Acik, Ilona; Krunks, Malle; Mere, Arvo Thin solid films 2016 / p. 449-455 : ill <https://doi.org/10.1016/j.tsf.2016.08.059>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Plasmon-enhanced photocurrent by gold nanoparticles on extremely thin solar cells by chemical spray pyrolysis

Kärber, Erki; Katerski, Atanas; Oja Acik, Ilona; Mere, Arvo; Krunks, Malle Nanotechnology for Next Generation High Efficiency Photovoltaics : Spring International School & Workshop, Mao, Menorca, Balearic Islands (Spain), April 20-24, 2015 : book of abstracts 2015 / [1] p

Plasmonic effect of spray-deposited Au nanoparticles on the performance of CSS CdS/CdTe solar cells

Spalatu, Nicolae; Hiie, Jaan; Maticiu, Natalia; Krunks, Malle; Katerski, Atanas; Mikli, Valdek; Sildos, Ilmo Applied surface science 2015 / p. 69-73 : ill <https://doi.org/10.1016/j.apsusc.2015.04.065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Plasmonic enhancement of light absorption in CuInS₂ layer doped by gold nanoparticles

Repän, Taavi; Katerski, Atanas; Oja Acik, Ilona; Kärber, Erki; Mere, Arvo; Mikli, Valdek; Krunks, Malle; Dolgov, Leonid; Sildos, Ilmo META'14 - Singapore : The 5th International Conference on Metamaterials, Photonic Crystals and Plasmonics : book of abstracts 2014

Plasmonic modification of CdTe thin films by gold nanoparticles : methods, difficulties and solutions

Maticiu, Natalia; Spalatu, Nicolae; Katerski, Atanas; Hiie, Jaan; Mikli, Valdek; Krunks, Malle; Dolgov, Leonid; Sildos, Ilmo Microelectronic engineering 2014 / p. 173-178 : ill <https://doi.org/10.1016/j.mee.2014.07.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Plasmonic TiO₂:Au composite layers deposited in situ by chemical spray pyrolysis

Oja Acik, Ilona; Oyekoya, Gboyega Nathaniel; Mere, Arvo; Loot, Ardi; Dolgov, Leonid; Mikli, Valdek; Krunks, Malle; Sildos, Ilmo Surface and coatings technology 2015 / p. 27-31 : ill <https://doi.org/10.1016/j.surfcoat.2015.01.036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Plastijäätmete ümbertöötlemine pürolüüsi protsessis annab põlevkivitööstusele uue mõõtm

Riisalu, Hella TööstusEST 2022 / lk. 48-50 : ill http://www.ester.ee/record=b4481084*est
<https://toostusest.ee/uudis/2022/12/16/plastijaatmete-umbertootlemine-puroluusi protsessis-annab-polevkivitootusele-uu-mootme/>

Polüetüleen autoklaavse pürolüüsi kineetika algoritmid

Johannes, Ille; Tiikma, Laine XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 19-20

A post-deposition annealing approach for organic residues control in TiO₂ and its impact on Sb₂Se₃/TiO₂ device performance

Koltsov, Mykhailo; Krautmann, Robert; Katerski, Atanas; Maticiu, Natalia; Krunks, Malle; Oja Acik, Ilona; Spalatu, Nicolae Faraday Discussions 2022 / p. 273-286 <https://doi.org/10.1039/D2FD00064D> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Post-deposition thermal treatment of sprayed SnS films

Polivtseva, Svetlana; Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Mere, Arvo; Mikli, Valdek; Krunks, Malle Thin solid films 2017 / p. 179-184 : ill <https://doi.org/10.1016/j.tsf.2017.01.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Post-deposition thermal treatment of sprayed SnS films [Online resource]

Polivtseva, Svetlana; Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Mere, Arvo; Mikli, Valdek; Krunks, Malle Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p
<http://fntdk.ut.ee/teesid/>

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

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

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](#)

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](#)

Preparation of carbon aerogels from 5-methylresorcinol-formaldehyde gels

Perez-Caballero, Fernando; Peikolainen, Anna-Liisa; Uibu, Mai; Kuusik, Rein, keemik; Volobujeva, Olga; Koel, Mihkel Microporous and mesoporous materials 2008 / p. 230-236 : ill

Preparation of shape and size-controlled zinc oxide nanostructures by chemical spray pyrolysis technique

Dedova, Tatjana; Krunks, Malle; Mere, Arvo; Klauson, Jelena; Volobujeva, Olga Materials Research Society symposium proceedings 2007 / p. 0957-K10-26 [7 p.]

Properties of NiO thin film deposited spray pyrolysis

Chen, Zengjun; Dedova, Tatjana; Oja Acik, Ilona; Krunks, Malle GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 18 <http://fmttk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Properties of NiO thin films prepared by chemical spray pyrolysis

Soon, Jaanika; Krunks, Malle; Mikli, Valdek Proceedings of CYSENI 2013 : the 10th Annual Conference of Young Scientists on Energy Issues, May 29-31, 2013, Kaunas, Lithuania 2013 / p. 510-518

Properties of TiO₂ films prepared by spray pyrolysis method

Oja, Ilona; Mere, Arvo; Krunks, Malle; Solterbeck, Claus-Henning; Es-Souni, Mohammed E-MRS Fall Meeting. Symposim F 2003 / [1] p

Properties of TiO₂ films prepared by the spray pyrolysis method

Oja, Ilona; Mere, Arvo; Krunks, Malle; Solterbeck, C.-H.; Es-Souni, M. Solid state phenomena 2004 / p. 259-262 : ill

Puidu- ja rohttaimede koksi reageerimisvõime. Reactivity of woody and herbaceous biomass chars : [Siim Link'i doktoritööst]

Eesti Põlevloodusvarad ja -jäätmed 2012 / lk. 19 : fot https://www.ester.ee/record=b2738371*est

Põlevkivi ja plastijäätmete koostöötlemine annab tööstusele väärt tooret

Horisont 2022 / Lk. 7 https://www.ester.ee/record=b1072243*est

Põlevkivi kompetentsikeskuse uus katseseade pürolüüsi protsesside uuringuks

Mente et Manu 2021 / lk. 9 : fot [Mente et Manu 2/2021](#)

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

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

Pyrolysis of rubber waste

Kann, Jüri; Marguste, Mart; Orav, Anne; Kriis, Jüri Proceedings of the Estonian Academy of Sciences. Chemistry 1999 / 1, p. 40-43

Quantitative compositional analysis of Estonian shale oil using comprehensive two dimensional gas chromatography

Ristic, Nenad D.; Djokic, Marko R.; **Konist, Alar**; Van Geem, Kevin M.; Marin, Guy B. Fuel processing technology 2017 / p. 241-249 : ill <https://doi.org/10.1016/j.fuproc.2017.07.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Raman spectroscopic study of In₂S₃ films prepared by spray pyrolysis

Kärber, Erki; Otto, Kairi; Katerski, Atanas; Mere, Arvo; Krunks, Malle Materials science in semiconductor processing 2014 / p. 137-142 : ill <https://doi.org/10.1016/j.mssp.2013.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rapid characterisation and investigation of oil shales by thermal desorption-pyrolysis-GC/MS using multi-functional

pyrolyzer

Watanabe, Chuichi; **Luik, Hans**; Yuzawa, Tetsuro International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 59-60 http://www.ester.ee/record=b4775098*est

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](#)

Reactivity of the biomass chars originating from reed, douglas fir, and pine

Link, Siim; Arvelakis, Stelios; Hupa, Mikko; Yrjas, Patrik; **Külaots, Indrek; Paist, Aadu** Energy & fuels 2010 / 12, p. 6533-6539 <https://pubs.acs.org/doi/abs/10.1021/ef100926v>

Reactivity of woody and herbaceous biomass chars = Puit- ja rohtbiomassi kokside reageerimisvõime

Link, Siim 2011

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](#)

Recovery of metallic materials from printed wiring boards by green pyrolysis process

Luyima, Alex; Zhang, Lifeng; **Kers, Jaan; Laurmaa, Viktor** Materials science = Medžiagotyra 2012 / p. 238-242 : ill https://www.researchgate.net/publication/268386159_Recovery_of_Metallic_Materials_from_Printed_Wiring_Boards_by_Green_Pyrolysis_Process

Recovery of metallic materials from printed wiring boards by green pyrolysis process

Luyima, A.; Shi, H.; Zhang, Lifeng; Schumann, T.; **Kers, Jaan; Laurmaa, Viktor; Goljandin, Dmitri; Mikli, Valdek** 20th International Baltic Conference Materials Engineering 2011, October 27-28, Kaunas, Lithuania : book of abstracts 2011 / p. 57-58 https://www.researchgate.net/publication/268386159_Recovery_of_Metallic_Materials_from_Printed_Wiring_Boards_by_Green_Pyrolysis_Process

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

Sb2S3 grown by ultrasonic spray pyrolysis and its application in a hybrid solar cell

Kärber, Erki; Katerski, Atanas; Oja Acik, Ilona; Mere, Arvo; Mikli, Valdek; Krunks, Malle Beilstein journal of nanotechnology 2016 / p. 1662-1673 : ill <http://dx.doi.org/10.3762/bjnano.7.158>

Sb2S3 solar cells with a cost-effective and dopant-free fluorene-based enamine as a hole transport material

Juneja, Nimish; Mandati, Sreekanth; Katerski, Atanas; Spalatu, Nicolae; Daskeviciute-Geguziene, Sarune; Vembris, Aivars; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle; Oja Acik, Ilona** Sustainable Energy & Fuels 2022 / p. 3220-3229 <https://doi.org/10.1039/D2SE00356B> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sb2S3 solar cells with TiO2 electron transporting layers synthesized by ALD and USP methods

Dedova, Tatjana; Krautmann, Robert; Rusu, Marin; **Katerski, Atanas; Krunks, Malle;** Unold, Thomas; **Spalatu, Nicolae; Mere, Arvo; Sydorenko, Jekaterina; Sibinski, Maciej; Oja Acik, Ilona** Solar energy materials and solar cells 2025 / art. 113279 <https://doi.org/10.1016/j.solmat.2024.113279>

SB2S3 thin film solar cells by ultrasonic spray pyrolysis

Eensalu, Jako Siim; Katerski, Atanas; Kärber, Erki; Oja Acik, Ilona; Krunks, Malle GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 22 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Sb2S3 thin films by ultrasonic spray pyrolysis of antimony ethyl xanthate

Eensalu, Jako Siim; Tõnsuaadu, Kaia; Oja Acik, Ilona; Krunks, Malle Materials science in semiconductor processing 2022 / art. 106209 : ill <https://doi.org/10.1016/j.mssp.2021.106209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sb2S3 thin-film solar cells fabricated from an antimony ethyl xanthate based precursor in air

Eensalu, Jako Siim; Mandati, Sreekanth; Don, Christopher H.; Finch, Harry; Dhanak, Vinod R.; Major, Jonathan D.; Grzibovskis, Raitis; Tamm, Aile; Ritslaid, Peeter; **Josepson, Raavo;** Käämbre, Tanel; Vembris, Aivars; **Spalatu, Nicolae; Krunks, Malle; Oja Acik, Ilona** ACS applied materials & interfaces 2023 / p. 42622-42636 <https://doi.org/10.1021/acsami.3c08547> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Solar cell on nanostructured ZnO by spray pyrolysis deposition

Katerski, Atanas; Dedova, Tatjana; Oja Acik, Ilona; Mere, Arvo; Krunks, Malle 2-nd International Conference on surfaces, Coatings and Nanostructured Materials (NANOSMAT 2007) : 9-11 July 2007, Alvor, Algarve, Portugal : abstracts book 2007 / p. 256

Solution processed high-K oxides for application as gate dielectric layer in thin film transistor

Oluwabi, Abayomi Titilope; Katerski, Atanas; Mere, Arvo; Krunks, Malle; Oja Acik, Ilona GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 67 : ill <http://fmdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.p>

Spray pyrolysis deposition and characterization of highly c-axis oriented hexagonal ZnS nanorod crystals

Dedova, Tatjana; Gromöko, Inga; Krunks, Malle; Mikli, Valdek; Grossberg, Maarja; Sildos, Ilmo; Utt, Kathriin; Vessart, Risto; Unt, Tarmo Crystal research and technology 2015 / p. 85-92 : ill <https://doi.org/10.1002/crat.201400172> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Spray pyrolysis deposition of indium sulphide thin films

Otto, Kairi; Katerski, Atanas; Mere, Arvo; Volobujeva, Olga; Krunks, Malle Thin solid films 2011 / p. 3055-3060 : ill

Spray pyrolysis deposition of nanostructured zinc oxide films

Krunks, Malle; Dedova, Tatjana; Oja, Ilona International Conference on Metallurgical Coatings and Thin Films : San Diego, California, May 1-5, 2006 : program and abstracts 2006 / p. 37

Spray pyrolysis deposition of SnxSy thin films

Polivtseva, Svetlana; Oja Acik, Ilona; Katerski, Atanas; Mere, Arvo; Mikli, Valdek; Krunks, Malle Energy procedia 2014 / p. 156-165 : ill <https://doi.org/10.1016/j.egypro.2014.12.358> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Spray pyrolysis deposition of zinc oxide nanostructured layers

Krunks, Malle; Dedova, Tatjana; Oja Acik, Ilona Thin solid films 2006 / 3, p. 1157-1160 : ill <https://www.sciencedirect.com/science/article/pii/S0040609006009540>

Spray pyrolysis deposition of tin sulfide thin films

Polivtseva, Svetlana; Oja Acik, Ilona; Mikli, Valdek; Krunks, Malle TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Sprayed CuInS₂ thin films for solar cells : the effect of solution composition and post-deposition treatments

Krunks, Malle; Bijakina, Olga; Mikli, Valdek; Rebane, Helen; Varema, Tiit; Altosaar, Mare; Mellikov, Enn 11th International Photovoltaic Science and Engineering Conference : Sept. 20-24/1999, Hokkaido, Japan : technical digest 1999 / p. 845-846: ill <https://www.sciencedirect.com/science/article/pii/S0927024800003810>

Spray-pyrolysis synthesised TiO₂ thin films for photocatalytic air treatment from volatile organic compounds

Sydorenko, Jekaterina; Krunks, Malle; Mere, Arvo; Krichevskaya, Marina; Oja Acik, Ilona Proceedings 2023 / art. 37 <https://doi.org/10.3390/proceedings2023092037>

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](#)

Structural and electrical characterization of TiO₂ films grown by spray pyrolysis

Oja, Ilona; Mere, Arvo; Krunks, Malle; Nisumaa, Reet; Solterbeck, C.-H.; Es-Souni, M. Thin solid films 2006 / p. 674-677 : ill <https://www.sciencedirect.com/science/article/pii/S0040609005025708>

Structural and electrical properties of P-type NiO thin films deposited by spray pyrolysis

Vessart, R.; Unt, Tarmo; Mere, Arvo; Krunks, Malle Proceedings of the 11th International Conference of Young Scientists on Energy Issues : CYSENI 2014 : May 29-30, 2014, Kaunas, Lithuania 2014 / p. VII-290-VII-297

Structure and evolved gas analyses (TG/DTA-MS and TG-FTIR) of mer-trichlorotris(thiourea)-indium(III), a precursor for indium sulfide thin films

Otto, Kairi; Bombicz, Petra; Madarasz, Janos; Oja Acik, Ilona; Krunks, Malle; Pokol, György Journal of thermal analysis and calorimetry 2011 / p. 83-91 <https://link.springer.com/article/10.1007/s10973-011-1524-7>

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](#)

Study of InSI and ZnS thin films deposited by ultrasonic spray pyrolysis and chemical deposition = Ultraheli pihustuspürolüüsi ja keemilise sadestamise meetodil kasvatatud InSI ja ZnS õhukeste kilede uurimine
Ernits, Kaia 2009 <https://digi.lib.ttu.ee/i/?452> https://www.ester.ee/record=b2524289*est

Study of zinc thiocarbamide chloride, a single-source precursor for zinc sulfide thin films by spray pyrolysis
Krunks, Malle; Madarasz, Janos; Leskelä, T.; Mere, Arvo; Niinistö, L.; Pokol, György Journal of thermal analysis and calorimetry 2003 / 1/2, ESTAC 8 : proceedings of the 8th European Symposium on Thermal Analysis and Calorimetry : Barcelona, Spain, August 25-29, 2002. Volume 2. ISBN 963-05-8044-6. p. 497-506 : ill <https://link.springer.com/article/10.1023/A:1024561212883>

Study of ZnO:In, Zn(O,S) and SbSI thin films deposited by aerosol methods = Aerosoolmeetoditel sadestatud ZnO:In, Zn(O,S) ja SbSI õhukeste kilede uurimine
Kriisa, Merike 2017 <https://digi.lib.ttu.ee/i/?7676> https://www.ester.ee/record=b4676437*est

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

Study of the properties of TiO₂ thin films deposited by ultrasonic spray pyrolysis [Online resource]
Chen, Z.; Oja Acik, Ilona; Dündar, Ibrahim; Mere, Arvo Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fntdk.ut.ee/teesid-2019/>

Study on photocatalytic activity of ZnO nanoneedles, nanorods, pyramids and hierarchical structures obtained by spray pyrolysis method
Klauson, Deniss; Gromõko, Inga; Dedova, Tatjana; Pronina, Natalja; Kritševskaja, Marina; Budarnaja, Olga; Oja Acik, Ilona; Volobujeva, Olga; Sildos, Ilmo; Utt, Kathriin Materials science in semiconductor processing 2015 / p. 315-324 : ill
<https://doi.org/10.1016/j.mssp.2014.12.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A study on the possibility of desulfurization of liquid products of the pyrolysis of Estonian oil shale
Fomitšov, Mihhail; Pihl, Olga GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 23
<http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

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](#)

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/10.3303/CET2081143> [Journal metrics at Scopus](#) [Article at Scopus](#)

Surface plasmon resonance caused by gold nanoparticles formed on sprayed TiO₂ films
Oja Acik, Ilona; Dolgov, Leonid; Krunks, Malle; Mere, Arvo; Mikli, Valdek; Pikker, Siim; Loot, Ardi; Sildos, Ilmo Thin solid films 2014 / p. 144-147 : ill <https://doi.org/10.1016/j.tsf.2013.11.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surface plasmon resonance in ZnO nanorod arrays caused by gold nanoparticles for solar cell application
Gromõko, Inga; Oja Acik, Ilona; Krunks, Malle; Dedova, Tatjana; Katerski, Atanas; Mere, Arvo; Mikli, Valdek; Vessart, Risto Physica status solidi (c) 2015 / p. 1338-1343 : ill <https://doi.org/10.1002/pssc.201510103> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Surface properties of sprayed and electrodeposited ZnO rod layers
Gromõko, Inga; Krunks, Malle; Dedova, Tatjana; Katerski, Atanas; Klauson, Deniss; Oja Acik, Ilona Applied surface science 2017 / p. 521-528 : ill <https://doi.org/10.1016/j.apsusc.2017.02.065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sünergiakood
Johannes, Ille; Tiikma, Laine; Palu, Vilja XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 20

A synergy code in co-pyrolysis
Johannes, Ille; Palu, Vilja Oil shale 2013 / p. 471-490 : ill https://artiklid.elnet.ee/record=b2651379*est <https://doi.org/10.3176/oil.2013.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synergy in co-liquefaction of oil shale and willow in supercritical water
Johannes, Ille; Luik, Hans; Palu, Vilja; Kruusement, Kristjan; Gregor, Andre Fuel 2015 / p. 180-187 : ill
<https://doi.org/10.1016/j.fuel.2014.12.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synergy in co-pyrolysis of oil shale and pine sawdust in autoclaves

Johannes, Ille; Tiikma, Laine; Luik, Hans Journal of analytical and applied pyrolysis 2013 / 341-352 : ill

<https://doi.org/10.1016/j.jaap.2013.06.015> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synergy in hydrous pyrolysis of oil shale and sawdust blends

Johannes, Ille; Tiikma, Laine; Luik, Hans; Gregor, Andre 20th International Symposium on Analytical and Applied Pyrolysis : PYRO 2014 : 19-23 May 2014, Birmingham, UK : conference guide and abstracts 2014 / p. 70

Zinc oxide nanorods grown by spray pyrolysis

Krunks, Malle; Dedova, Tatjana; Mere, Arvo; Aparina, Jelena; Grossberg, Maarja The 4th International Workshop on ZnO and Related Materials : University of Gissen, Germany, Oct.3-6, 2006 2006 / p. 170

Zinc oxide nanostructured layers by chemical spray pyrolysis

Dedova, Tatjana; Aparina, Jelena; Mere, Arvo; Volobujeva, Olga; Grossberg, Maarja; Krunks, Malle International Conference : Advances in Nanostructured Materials, Processing - Microstructure - Properties : NANOVED 2006 - NENAMAT : May 14-17, 2006, Stara Lesna, Slovak Republic : book of abstracts 2006 / p. 105

Zinc oxide thin films by spray pyrolysis

Krunks, Malle; Bijakina, Olga; Mikli, Valdek; Varema, Tiit; Mellikov, Enn 18th Nordic Semiconductor Meeting, Linköping, June 7-10, 1998 : abstracts 1998 / p. H-106

Zinc oxide thin films by spray pyrolysis method

Krunks, Malle; Mellikov, Enn Abstracts of International Conference on Metallurgical Coatings and Thin Films, San Diego, 1995 1995 / p. 135 <https://www.sciencedirect.com/science/article/abs/pii/S0040609095068937>

Zinc oxide thin films by spray pyrolysis method

Krunks, Malle; Bijakina, Olga; Mikli, Valdek; Varema, Tiit; Mellikov, Enn Physica scripta 1999 / Proceedings of 18th Nordic Semiconductor Meeting, Linköping, Sweden, June 7-10, 1998, ISBN 91-87308-71-1, p. 209-212: ill

Zinc oxide thin films by the spray pyrolysis method

Krunks, Malle; Mellikov, Enn Thin solid films 1995 / p. 33-36: ill

Zirconium doped TiO₂ thin films deposited by chemical spray pyrolysis

Juma, Albert Owino; Oja Acik, Ilona; Oluwabi, Abayomi Titilope; Mere, Arvo; Mikli, Valdek; Danilson, Mati; Krunks, Malle Applied surface science 2016 / p. 539-545 : ill <https://doi.org/10.1016/j.apsusc.2016.06.093> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ZnO nanorods via spray deposition of solutions containing zinc chloride and thiocarbamide

Dedova, Tatjana; Volobujeva, Olga; Klauson, Jelena; Mere, Arvo; Krunks, Malle Nanoscale research letters 2007 / p. 391-396 : ill <https://link.springer.com/article/10.1007/s11671-007-9072-6>

ZnO nanostructured layers by wet chemical deposition methods : growth, surface properties, photocatalytic capability = ZnO nanostruktuursed kihid vedeliksadestuse meetoditel : kasvamine, pinnaomadused, fotokatalüütiline võimekus Gromõko, Inga 2018 <https://digi.lib.ttu.ee/i/29962> https://www.ester.ee/record=b5141465*est

ZnO nanostructures by wet chemical deposition methods [Online resource]

Gromõko, Inga; Dedova, Tatjana; Krunks, Malle; Oja Acik, Ilona; Katerski, Atanas; Klauson, Deniss 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://fmdtk.ut.ee/teesid-2018/>

ZnO nanostruktuursed kihid keemilise pihustuspürolüüsi meetodil

Dedova, Tatjana; Annert, Katre; Volobujeva, Olga; Grossberg, Maarja; Oja Acik, Ilona; Krunks, Malle XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 25

ZnO thin films as transparent conductive oxides by chemical spray pyrolysis

Vent, Merike; Annert, Katre; Kärber, Erki; Krunks, Malle Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27-28, 2010, Kaunas, Lithuania 2010 / p. 399-407

ZnS thin films and nanostructured layers by chemical spray pyrolysis

Dedova, Tatjana; Krunks, Malle; Gromõko, Inga; Mikli, Valdek; Sildos, Ilmo; Utt, Kathriin; Unt, Tarmo XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / p. 13

ZnS thin films deposited by spray pyrolysis technique

Dedova, Tatjana; Krunks, Malle; Volobujeva, Olga; Oja, Ilona Physica status solidi (c) : proceedings 2005 / 3, p. 1161-1166 : ill

TalTech esitles Euroopa teadusfoorumil plastijäätmete ringlusse toomise lahendust

rohe.geenius.ee 2022 [TalTech esitles Euroopa teadusfoorumil plastijäätmete ringlusse toomise lahendust autor](#)

TalTechi teadlased edendavad innovatsiooni gaasistamise ja pürolüüsi teemal

Lyons Ceron, Alejandro Mente et Manu 2023 / lk. 20-21 : fot https://www.ester.ee/record=b1242496*est

Technologies and experiences for using sewage sludge as a fuel

Reinola, Leino 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 48-52 : ill

The effect of growth temperature and spraying rate on the properties of ZnO:In films

Kriisa, Merike; Kärber, Erki; Unt, Tarmo; Mere, Arvo; Krunks, Malle Physica status solidi (c) 2012 / p. 1604-1606 : ill
<https://onlinelibrary.wiley.com/doi/pdf/10.1002/pssc.201200008>

The effect of tartaric acid in the deposition of Sb₂S₃ films by chemical spray pyrolysis

Kriisa, Merike; Krunks, Malle; Oja Acik, Ilona; Kärber, Erki; Mikli, Valdek Materials science in semiconductor processing 2015 / p. 867-872 : ill <https://doi.org/10.1016/j.mssp.2015.07.049> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of tartaric acid in the deposition of Sb₂S₃ films by chemical spray pyrolysis [Online resource]

Kriisa, Merike; Krunks, Malle; Oja Acik, Ilona; Kärber, Erki; Mikli, Valdek Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fntdk.ut.ee/teesid/>

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 behaviour of precursors for CuInS₂ thin films deposited by spray pyrolysis

Oja Acik, Ilona; Otto, Kairi; Krunks, Malle; Tõnsuaadu, Kaia; Mere, Arvo Journal of thermal analysis and calorimetry 2013 / p. 1455-1465 : ill <https://doi.org/10.1007/s10973-013-3155-7> [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)

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 evolved gases from thiourea complexes of CuCl in air : detailed comparisons by TG-FTIR and TG/DTA-MS for compounds poor and rich in thiourea

Madaras, Janos; Krunks, Malle; Niinistö, Lauri; Pokol, György Journal of thermal analysis and calorimetry 2015 / p. 189-199 : ill
<https://doi.org/10.1007/s10973-015-4481-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

A thermoanalytical and structural study of copper(I) thiocarbamide compounds

Krunks, Malle; Leskelä, T.; Mutikainen, Ilpo; Niinistö, L. ESTAC-7 : 7th European Symposium on Thermal Analysis and Calorimetry, Aug. 30 - Sept. 4, 1998, Balatonfüred, Hungary : book of abstracts 1998 / p. 88
<https://link.springer.com/content/pdf/10.1023/A:1010184107901.pdf>

Thermoanalytical study of a precursor for CuInS₂ thin films deposited by chemical spray pyrolysis

Oja Acik, Ilona; Otto, Kairi; Tõnsuaadu, Kaia; Katerski, Atanas; Niinistö, L.; Krunks, Malle ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22-27, 2010, Rotterdam, The Netherlands : abstract book 2010 / p. 175

Thermoanalytical study of a precursor for In₂S₃ films by spray pyrolysis

Otto, Kairi; Oja Acik, Ilona; Tõnsuaadu, Kaia; Annert, Katre; Krunks, Malle ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22-27, 2010, Rotterdam, The Netherlands : abstract book 2010 / p. 181

A thermoanalytical study of CuInS₂ formation in spray pyrolysis process

Krunks, Malle; Leskelä, Tuula; Niinistö, Lauri Twelfth International Conference on Ternary and Multinary Compounds : March 13-17, 2000 : National Tsing Hua University, Hsinchu, Taiwan : abstract[s] 2000 / p. Th-A1-1

Thermoanalytical study of precursors for In₂S₃ thin films deposited by spray pyrolysis

Otto, Kairi; Oja Acik, Ilona; Tõnsuaadu, Kaia; Mere, Arvo; Krunks, Malle Journal of thermal analysis and calorimetry 2011 / p. 615-623 : ill

Thermoanalytical study of precursors for SnS thin films deposited by chemical spray pyrolysis method

Polivtseva, Svetlana; Oja Acik, Ilona; Tõnsuaadu, Kaia; Mere, Arvo; Krunks, Malle ESTAC-11 : the 11th European Symposium on Thermal Analysis and Calorimetry : Dipoli Congress Center, Espoo, Finland, August 17-21, 2014 : abstracts 2014 / p. 86

Thermoanalytical study of precursors for tin sulfide thin films deposited by chemical spray pyrolysis

Polivtseva, Svetlana; Oja Acik, Ilona; Krunks, Malle; Tõnsuaadu, Kaia; Mere, Arvo Journal of thermal analysis and calorimetry 2015 / p. 177-185 : ill <https://doi.org/10.1007/s10973-015-4580-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermobituminization of Baltic oil shale

Johannes, Ille; Tiikma, Laine Advances in energy research. Volume 2 2011 / p. 267-282

Thermobituminizing kinetics of Estonian oil shale at low-temperature pyrolysis

Johannes, Ille; Soone, Jüri; Zaidentsal, Aleksei Theses of the 28th Oil Shale Symposium : October 13-17, 2008, Colorado 2008 / ? p

Thermochemical conversion of woody biomass by using slow pyrolysis and direct hydrogenation methods

Luik, Hans; Luik, Lea; Gregor, Andre WasteEng 2014 : 5th International Conference on Engineering for Waste and Biomass Valorisation, Rio de Janeiro, Brazil, August 25-28, 2014 : proceedings 2014 / p. 1532-1541

Thermochemical conversion of woody biomass by using slow pyrolysis and direct hydrogenation methods

Luik, Hans; Luik, Lea; Gregor, Andre WasteEng 2014 : 5th International Conference on Engineering for Waste and Biomass Valorisation, Rio de Janeiro, Brazil, August 25-28, 2014 : abstracts 2014 / p. 217

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

A thermomechanical explanation for the topology of crack patterns observed on the surface of charred wood and particle fibreboard

Baroudi, Djebbar; Ferrantelli, Andrea; Li, Kai Yuan; Hostikka, Simo Combustion and flame 2017 / p. 206-215 : ill <https://doi.org/10.1016/j.combustflame.2017.04.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Thin films by chemical spray pyrolysis for photovoltaic applications

Krunks, Malle 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), 7-10 September 2011, Craiova, Romania : book of abstracts 2011 / p. 43

Tin sulfide films by chemical spray pyrolysis : formation and properties = Tinasulfiid kiled keemilise pihustuspürolüüsi meetodil : moodustumine ja omadused

Polivtseva, Svetlana 2018 <https://digi.lib.ttu.ee/i/?9416> https://www.ester.ee/record=b4767116*est

Tin sulfide films by spray pyrolysis technique using L-cysteine as a novel sulfur source

Polivtseva, Svetlana; Oja Acik, Ilona; Katerski, Atanas; Mere, Arvo; Mikli, Valdek; Krunks, Malle Physica status solidi (c) 2016 / p. 18-23 : ill <https://doi.org/10.1002/pssc.201510098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

TiO₂ thin films by ultrasonic spray pyrolysis

Chen, Zengjun; Dündar, Ibrahim; Oja Acik, Ilona; Mere, Arvo IOP conference series : materials science and engineering 2019 / art. 012006, 7 p. : ill <https://doi.org/10.1088/1757-899X/503/1/012006> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

TiO₂ thin films by ultrasonic spray pyrolysis for photocatalytic air-cleaning applications = TiO₂ õhukesed kiled ultraheli pihustuspürolüüsi meetodil õhu fotokatalüütiliseks puhastamiseks

Dündar, Ibrahim 2021 https://www.ester.ee/record=b5408882*est <https://digikogu.taltech.ee/et/item/266d75a3-ff2e-4bcf-aa54-2151511e871f> <https://doi.org/10.23658/taltech.13/2021>

Tire processing using pyrolysis and hydrogenation methods

Pihl, Olga; Soone, Jüri; Kekiševa, Ljudmilla; Kaev, Mihkel Solid fuel chemistry 2013 / p. 183-192

Titania thin films by chemical spray pyrolysis as photocatalytic materials for air purification [Online resource]

Dündar, Ibrahim; Katerski, Atanas; Kritševskaja, Marina; Oja Acik, Ilona; Krunks, Malle 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/>

Transformations of biomass internal oxygen at varied pyrolysis conditions

Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 139

Transformations of biomass internal oxygen at varied pyrolysis conditions

Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan Journal of analytical and applied pyrolysis 2007 / 1/2, p. 121-127

Ultra thin TiO₂ films with gold nanoparticles by the chemical spray pyrolysis method

Oja Acik, Ilona; Oyekoya, G.; Dedova, Tatjana; Mikli, Valdek; Mere, Arvo; Krunks, Malle; Dolgov, Leonid; Sildos, Ilmo Joint 12th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity and 9th International Conference Functional Materials and Nanotechnologies : Institute of Solid State Physics, University of Latvia, September 29-October 2, Riga, Latvia : book of abstracts 2014 / p. 296

Use of pyrolysis products of polyethylene wastes in thermoplastic composites

Viikna, Anti Tallinna Tehnikaülikooli Toimetised 1994 / lk. 100-106

Utilisation of rubber waste by pyrolysis with subsequent burning of solid retorting residue

Žirjakov, Jüri; **Soone, Jüri**; Vereštšaka, S. Aging of polymers, polymer composites : the collection 2002 / ? p

Uudne meetod muudab kommipaberid ja vanad tuulikulabad vesinikuks

Pihl, Olga novaator.err.ee 2024 <https://novaator.err.ee/1609509214/uudne-meetod-muudab-kommipaberid-ja-vanad-tuulikulabad-vesinikuks>

Uus katseseade aitab testida materjalide lagunemist kõrgetel temperatuuridel [Võrguväljaanne]

toostusuudised.ee 2021 ["Uus katseseade aitab testida materjalide lagunemist kõrgetel temperatuuridel"](https://toostusuudised.ee/1609509214/uus-katseseade-aitab-testida-materjalide-lagunemist-korgedel-temperatuuridel)

Vanarehvid - probleem või võimalus?

Pihl, Olga Põlevad ja mitte põlevad energiaallikad = Combustible and non-combustible energy resources 2019/2020 2020 / Lk. 34-35 : ill https://www.ester.ee/record=b4613503*est

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 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

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://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

Water in the thermolysis processes of solid fossil fuel

Vössotskaja, V.; Bljakhina, I.; **Urov, Kaarli** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 171

Vesi tahkekütuse termolüüsi reaktsioonides

Vössotskaja, V.; Bljakhina, I.; **Urov, Kaarli** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 162

Õhukesekilelised päikesepatareid pihustuspürolüüsi meetodil

Krunks, Malle Teadusmõte Eestis. 4, Tehnikateadused. 2 2007 / lk. 41-48 : ill

Õhukeste TiO₂ kilede kasv erinevatel alustel pihustuspürolüüsi meetodil

Junolainen, Agne; **Oja Acik, Ilona; Mikli, Valdek; Danilson, Mati; Krunks, Malle** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 35

X-ray photoelectron spectroscopy of spray pyrolysis deposited copper indium disulfide films

Katerski, Atanas; Kazlauskienė, Vida; Miskinis, Juozas; **Krunks, Malle** AOMD-5 : 5th International Conference Advanced Optical Materials and Devices : Vilnius, Lithuania, 27-30 August, 2006 : program and abstracts 2006 / p. 20

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](#)

Влияние окислов железа на механизмы пиролиза смесей углеводородов

Aarna, Agu; Žirjakov, Jüri; Soone, Jüri Журнал прикладной химии 1978 / с. 1417-1418 https://www.ester.ee/record=b1182398*est

Газохроматографический анализ продуктов пиролиза полиэтилена

Nikitina, Nonna; Piiroja, Eduard Tallinna Tehnikaülikooli Toimetised 1990 / lk. 53-60: ill

Зависимость состава продуктов разложения от условий пиролиза отходов полиэтилена

Nikitina, Nonna; Piiroja, Eduard Tallinna Tehnikaülikooli Toimetised 1990 / lk. 61-68: ill

Ингибирование коксообразования и коррозии металла при пиролизе углеводородных смесей

Aarna, Agu; Soone, Jüri; Teder, Jüri Нефтехимический симпозиум социалистических стран, 1, Баку, 21-25 ноября, 1978 года : тезисы докладов 1978 / с. 31

Ингибирование коксообразования и коррозии металла при пиролизе углеводородных смесей

Aarna, Agu; Soone, Jüri; Teder, Jüri Нефтехимия 1979 / с. 614-618 https://www.ester.ee/record=b2054473*est

Исследование влияния некоторых серосодержащих соединений на коксообразование при пиролизе смеси 1,3-пентадиена и бензола

Teder, Jüri; Aarna, Agu Горючие сланцы : информационная серия I 1979 / с. 12-15 : ил https://www.ester.ee/record=b1889669*est

Исследование влияния некоторых серосодержащих углеводородов на коксообразование при пиролизе смеси 1,3-пентадиена и бензола

Teder, Jüri Вопросы совершенствования добычи и использования горючих сланцев : (тезисы) : посвящается 60-летию ВЛКСМ 1978 / с. 42 https://www.ester.ee/record=b2669967*est

Исследование возможности совместной переработки угля и сланца с целью получения высококачественных топлив

Fomitšov, Mihhail Innovaatilised lahendused ja säästvad tehnoloogiad : konverents 2010 2010 / с. 49

Исследование двухстадийной пиролитической конверсии высушенного осадка сточных вод в синтез-газ

Gerasimov, Gennadi; **Khaskhachikh, Vladimir**; Sychev, G.A.; Larina, O.M.; Zaichenko, V.M. Химическая физика 2022 / стр. 24-32 <https://sciencejournals.ru/view-article/?j=khimfiz&y=2022&v=41&n=11&a=KhimFiz2211004Gerasimov>

Исследование механизма пиролиза некоторых индивидуальных углеводородов. Сообщение 1 : Методика исследования

Aarna, Agu; Teder, Jüri Технология органических веществ. 8 1976 / с. 19-25 : илл https://www.ester.ee/record=b1475761*est <https://digikogu.taltech.ee/et/Item/38b2a836-99da-4b82-8058-1c2084a10575>

Исследование механизма пиролиза некоторых индивидуальных углеводородов. Сообщение 2 : О характере разрушения хромоникелевой стали при пиролизе углеводородных смесей

Aarna, Agu; Masing, Juhan; Teder, Jüri Технология органических веществ. 8 1976 / с. 27-34 : илл https://www.ester.ee/record=b1475761*est <https://digikogu.taltech.ee/et/Item/38b2a836-99da-4b82-8058-1c2084a10575>

Исследование миграционной активности тяжелых металлов при пиролизе высушенного осадка сточных вод в реакторе с неподвижным слоем

Gerasimov, Gennadi; **Khaskhachikh, Vladimir**; Sychev, G.A.; Zaichenko, V.M. Инженерно-физический журнал = Journal of engineering physics and thermophysics 2023 / с. 114-122 <https://istina.msu.ru/publications/article/528430200/>

Исследование пиролиза диолефиновых углеводородов в присутствии металла

Aarna, Agu; Teder, Jüri Журнал прикладной химии 1979 / с. 1845-1848 : ил https://www.ester.ee/record=b1182398*est

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

Doilov, Svjatoslav 1968 https://www.ester.ee/record=b1348792*est

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

Doilov, Svjatoslav 1967 https://www.ester.ee/record=b3000092*est

Исследование совместного вторичного пиролиза нефтяных фракций и сланцевого бензина : автореферат ... кандидата технических наук (05.17.07)

Soone, Jüri 1978 https://www.ester.ee/record=b2341114*est

К математическому моделированию пиролиза сложных смесей

Aarna, Olav 1979 https://www.ester.ee/record=b1182398*est

Лучшая разработка TalTech родилась в прошлом году в Вирумааском колледже

Северное побережье (Пыхьяранник) 2022 / С. 5 "[Лучшая разработка TalTech родилась в прошлом году в Вирумааском колледже](#)"

Математическое моделирование и анализ промышленных процессов переработки сложных смесей : (на примере пиролиза сланцевого газбензина) : диссертация ... кандидата технических наук : (№ 05.347 - процессы и аппараты химической технологии)

Aarna, Olav 1971 http://www.ester.ee/record=b2252703*est

Математическое моделирование и анализ промышленных процессов переработки сложных смесей (на примере пиролиза сланцевого газбензина) : автореферат ... кандидата технических наук (05.347)

Aarna, Olav 1971 http://www.ester.ee/record=b1361597*est

Математическое описание пиролиза сложных смесей

Aarna, Olav Процессы и аппараты химической технологии и технология неорганических веществ. 2 1971 / с. 13-20 : илл

https://www.ester.ee/record=b1531303*est <https://digikogu.taltech.ee/et/Item/ae6e2dd0-3320-48ce-b2bc-5254c0336474/>

О термолизе алкилрезорцинов в статических условиях

Lille, Ülo; Metsik, L.; Purre, Tiit Технология органических веществ. 5 1973 / с. 171-184 https://www.ester.ee/record=b1327787*est

<https://digikogu.taltech.ee/et/Item/4d607428-4077-45b3-a5b2-28394fbb4fa9>

Образование углерода на поверхности металлов при пиролизе углеводородных смесей из ароматического и непредельного компонентов : автореферат ... кандидата химических наук (05.17.07)

Teder, Jüri 1980 https://www.ester.ee/record=b1324873*est

Оптимизация процесса пиролиза сланцевого газбензина. Ч. 1 : отчет хозяйственной научной работы № 834. Ч. 2 : отчет ... № 917. Ч. 3 : отчет ... КТ-015

Aarna, Olav 1968 https://www.ester.ee/record=b2238432*est

Пиролиз высокосернистого сланца в присутствии водорода

Suštšik, Dmitri Innovaatilised lahendused ja säästvad tehnoloogiad : konverents 2010 2010 / с. 50

Пиролиз сланцевой смолы : (сообщение 2)

Aarna, Agu; Lille, Ülo Сборник статей по химии и технологии горючего сланца. 6 1959 / с. 75-82 : илл

https://www.ester.ee/record=b2181310*est <https://digikogu.taltech.ee/et/Item/ef38b871-c02c-47ab-a7c6-0b764036fa60>

Пиролиз сланцевой смолы : (сообщение I)

Aarna, Agu; Lille, Ülo Сборник статей по химии и технологии горючего сланца. 6 1959 / с. 65-74 : илл

https://www.ester.ee/record=b2181310*est <https://digikogu.taltech.ee/et/Item/ef38b871-c02c-47ab-a7c6-0b764036fa60>

Получение легких газовых непредельных углеводородов путем пиролиза сланцевой смолы : автореферат ... кандидата технических наук

Lille, Ülo 1960 https://www.ester.ee/record=b1411442*est

Свойства минеральной части полукокса канско-ачинского угля как энергетического топлива : (на примере иршабординского угля) : автореферат ... кандидата технических наук (05.04.01)

Захарова, Людмила 1989 http://www.ester.ee/record=b1545896*est

Спектроскопическое исследование продуктов пиролиза полиэтилена

Piiraja, Eduard; Oja, Holger Tallinna Tehnikaülikooli Toimetised 1990 / lk. 69-79: ill

Технико-экономические соображения о выделении непредельных углеводородов из газа камерных печей

Aarna, Agu; Lageda, Peeter Сборник статей по химии и технологии горючего сланца. 6 1959 / с. 225-234

https://www.ester.ee/record=b2181310*est <https://digikogu.taltech.ee/et/Item/ef38b871-c02c-47ab-a7c6-0b764036fa60>

Углеводородная коррозия пиролизных печей

Aarna, Agu; Velitskaja, O.; Mihhailova, E.; **Soone, Jüri** Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1978 / с. 31-35 : ил
https://www.ester.ee/record=b1264984*est