

A study on the EU oil shale industry - viewed in the light of the Estonian experience : a report by EASAC to the Committee on Industry, Research and Energy of the European Parliament

Francu, J.; Harvie, B.; Laenen, B.; **Siirde, Andres**; Veiderma, Mihkel; Collins, P.; Steiger, F. 2007

https://easac.eu/fileadmin/PDF_s/reports_statements/Study.pdf

About the gasification of kukersite oil shale

Kann, Jüri; **Raukas, Anto**; **Siirde, Andres** Oil shale 2013 / p. 283-293 : ill <https://doi.org/10.3176/oil.2013.2S.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of energy models and their adaptability for Estonian energy market

Dementjeva, Nadežda; **Siirde, Andres** Energetika 2009 / 2, p. 107-115

Analysis of greenhouse gas emissions from Estonian oil shale based energy production processes. Life cycle energy analysis perspective

Siirde, Andres; Eldermann, Meelis; Rohumaa, Priit; **Gušča, Julija** Oil shale 2013 / p. 268-282 : ill

https://artiklid.elnet.ee/record=b2631747*est <https://doi.org/10.3176/oil.2013.2S.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of the current Estonian energy situation and adaptability of LEAP model for Estonian energy sector

Dementjeva, Nadežda; **Siirde, Andres** Energetika 2010 / 1, p. 75-84

Analysis of the current Estonian energy situation and its modelling for developing future forecasts using energy planning models

Dementjeva, Nadežda; **Siirde, Andres** 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 77-80 : ill

Applying the correction for undecomposed carbonates to gross calorific values of oil shales from different deposits

Pihl, Olga; **Tšepelevitš, Maria**; **Burko, Maria**; **Siirde, Andres** Oil shale 2019 / p. 250–256 : ill

http://www.kirj.ee/public/oilshale_pdf/2019/issue_2S/OS-2019-2S-250-256.pdf <https://doi.org/10.3176/oil.2019.2S.13> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Arvutiprogrammid Eesti Energia tuleviku planeerimiseks

Kisel, Einari; **Siirde, Andres**; Ülavere, Eero Energia Teataja 1998 / lk. 6-8, 32-34: ill https://www.ester.ee/record=b1072156*est

Ash and flue gas from oil shale oxy-fuel circulating fluidized bed combustion

Loo, Lauri; **Konist, Alar**; **Nešumajev, Dmitri**; **Pihu, Tõnu**; **Maaten, Birgit**; **Siirde, Andres** Energies 2018 / art. 1218, 12 p. : ill

<https://doi.org/10.3390/en11051218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aurugeneraatori PK-38 küttepindade soojusliku efektiivsuse uurimine veega puhastamise tingimustes

Siirde, Andres; **Tallermo, Harri**; **Ingerma, August** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 111-112 https://www.ester.ee/record=b1322611*est

Basics of optimal design of district heating pipelines diameters and design examples of Estonian old non-optimised district heating networks

Hlebnikov, Aleksandr; **Siirde, Andres**; **Paist, Aadu** 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 149-153 : ill

Boiler surface cleaning from friable ash deposits by acoustic waves

Käär, Harri; **Rudi, Ülo**; **Siirde, Andres**; **Tiikma, Toomas** Proceedings of the Estonian Academy of Sciences. Engineering 1995 / 2, p. 199-206: ill

Calculation of the amount of Estonian oil shale products from combustion in regular and oxy-fuel mode in a CFB boiler

Konist, Alar; **Loo, Lauri**; **Valtsev, Aleksandr**; **Maaten, Birgit**; **Siirde, Andres**; **Nešumajev, Dmitri**; **Pihu, Tõnu** Oil shale 2014 / p. 211-224 : ill https://artiklid.elnet.ee/record=b2680497*est <https://doi.org/10.3176/oil.2014.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metric at WOS](#) [Article at WOS](#)

Carbon dioxide emission factors for oxy-fuel CFBC and aqueous carbonation of the Ca-rich oil shale ash

Loo, Lauri; **Maaten, Birgit**; **Konist, Alar**; **Siirde, Andres**; **Nešumajev, Dmitri**; **Pihu, Tõnu** Energy procedia 2017 / p. 144-149 : ill <https://doi.org/10.1016/j.egypro.2017.09.034> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Characterization and enhancement of oil shale fly ash from CFB boiler

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

Characterization of 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](#)

Circulating fluidized bed and two-fluid model

Krupenski, Igor; Kartušinski, Aleksander; Siirde, Andres; Rudi, Ülo 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 85-88 : ill

ClimMIT - Climate change mitigation with CCS and CCU technologies

Uibu, Mai; Siirde, Andres; Järvik, Oliver; Triikkel, Andres; Yörük, Can Rüstü; Nurk, Gunnar; Kirsimäe, Kalle; Hazak, Aaro; Konist, Alar Proceedings of the 15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 2021 / 9 p

<https://ssrn.com/abstract=3812288> <https://doi.org/10.2139/ssrn.3812288>

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

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

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

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

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

Competitiveness of oil shale power engineering in the power pool of Baltic Countries

Siirde, Andres; Pikk, Peeter Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 39-40

https://www.ester.ee/record=b1703301*est

Competitiveness of wood fuel in the conditions of open electricity market in Post-Kyoto period : case study for Estonia

Volkova, Anna; Roos, Inge; Soosaar, Sulev; Siirde, Andres Proceedings of 3rd International Conference on Clean Electrical Power, Renewable Energy Resources Impact, Ischia, Italy, 14th-16th June, 2011 2011 / p. 660-667 : ill

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

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

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

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

Järvik, Oliver; Sulg, Mari; Cascante Cirici, Pau; Eldermann, Meelis; Konist, Alar; Gusca, Julija; Siirde, Andres Environmental and Climate Technologies 2020 / p. 624–637 : ill <https://doi.org/10.2478/rtuct-2020-0038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 polümeerjäätmete 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>

Decarbonisation of Estonian oil shale industry : framework and categories definition

Eldermann, Meelis; Siirde, Andres; Gušča, Julija Energy procedia 2017 / p. 77-81 : ill <https://doi.org/10.1016/j.egypro.2017.04.020> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Defining of eligible capacity for biomass cogeneration plants in small towns in Estonia

Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Proceedings of International Conference on Renewable Energies and Power Quality (ICREPQ'10) : Granada (Spain), 23th to 25th March, 2010 2010 / [5] p.: ill. [CD-ROM] <https://www.icrepq.com/icrepq'10/447-Volkova.pdf>

Determination of the total sulphur content of oil shale by using different analytical methods

Maaten, Birgit; Pikkor, Heliis; Konist, Alar; Siirde, Andres Oil shale 2018 / p. 144-153 : ill <https://doi.org/10.3176/oil.2018.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a user-friendly mobile app for the national level promotion of the 4th generation district heating

Volkova, Anna; Latõšov, Eduard; Mašatin, Vladislav; Siirde, Andres International journal of sustainable energy planning and

management 2019 / p. 21–36 : ill <https://doi.org/10.5278/ijsepm.2019.20.3> [Journal metrics at Scopus](#) [Article at Scopus](#)

Development of measures to improve technologies of energy recovery from gaseous wastes of oil shale processing

Tugov, A.; Ots, Arvo; Siirde, Andres; Sidorkin, V.; Ryabov, G. Thermal engineering 2016 / p. 430-438 : ill <https://doi.org/10.1134/S0040601516060082> [Journal metrics at Scopus](#) [Article at Scopus](#)

Doktorikraadiga tehnikaspetsialistide ettevalmistamise vajadused ja võimalused

Siirde, Andres Eesti doktoriõppe kvaliteedi, tulemuslikkuse ja jätkusuutlikkuse tagamise süsteem = Assurance system for quality, effectiveness and sustainability of doctoral studies in Estonian universities : artiklid ja edulood. I 2005 / lk. 44-51

Doktorikraadiga tehnikaspetsialistide vajaduse määratlemine

Siirde, Andres Eesti doktoriõppe kvaliteedi, tulemuslikkuse ja jätkusuutlikkuse tagamise süsteem : seminari materjalid. I : 26. oktoober 2005 2005 / lk. 14-15

Economic dispatch of CHP units through District Heating Network's demand-side management

Rušeljuk, Pavel; Lepiksaar, Kertu; Siirde, Andres; Volkova, Anna Energies 2021 / art. 4553, 20 p. : ill <https://doi.org/10.3390/en14154553> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Economic, scientific and technical outlook for oil shale retorting activities within the coal to liquids strategic context in Europe

Jakobson, Indrek; Siirde, Andres International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 106 http://www.ester.ee/record=b4775098*est

Eesti energeetika arengustenaariumid Baltimaade ühtses energiasüsteemis : avalik loeng 9. mail 2001 TTÜs

Siirde, Andres Tallinna Tehnikaülikooli aastaraamat 2001 2003 / lk. 273-278

Eesti ja Aasia tulevikusuhete raport

Berg, Eiki; Kiviorg, Merilin; Kitsing, Meelis; Varblane, Urmas; Ottis, Rain; Broughel, Anna; Hõbepappel, Urmas; Vilson, Maili; Kerner, Riina; Kisel, Einari; Siirde, Andres; Ashyrov, Gaygysyz; Juust, Mathias; Osula, Anna-Maria; Venables, Adrian Nicholas; Koort, Erkki; Süld, Elo; Maiberg, Heidi 2022 <https://aasiakeskus.ut.ee/et/sisu/eesti-ja-aasia-tulevikusuhete-raport>

Effect of solid particles on turbulence of gas in two-phase flows

Hussainov, Medhat 2005 https://www.ester.ee/record=b2041758*est

The effect of the district heating return temperature reduction on flue gas condenser efficiency

Lepiksaar, Kertu; Volkova, Anna; Rušeljuk, Pavel; Siirde, Andres Environmental and Climate Technologies 2020 / p. 23–38 <https://doi.org/10.2478/rtuct-2020-0083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Efficiency assessment of support mechanisms for wood-fired cogeneration development in Estonia

Volkova, Anna; Siirde, Andres Scientific journal of Riga Technical University. Serija 13, Environmental and climate technologies 2010 / p. 116-122 : ill <https://intapi.sciendo.com/pdf/10.2478/v10145-010-0026-3>

Efficiency of pipes thermal insulation in Estonian district heating networks [Electronic resource]

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu The 5th Annual Conference of Young Scientists on Energy Issues : CYSENI 2008 : conference proceedings 2008 / p. IV-10 - IV-16 [CD-ROM]

Einfluß der Reinigung mittels Wasserlanzen auf die Betriebsbedingungen der Membranwände von Dampferzeugern

Ots, Arvo; Tallermo, Harri; Suurkuusk, Tõnu; Pella, Villu; Touart, Raivo; Siirde, Andres; Keerov, Voldemar Energietechnik 1983 / S. 262-264 https://www.ester.ee/record=b1499825*est

Energeetika : juhtmeidpidi põlevkivi küljes

Siirde, Andres Horisont 2011 / 2, lk. 32-39 : ill https://artiklid.elnet.ee/record=b2272471*est

Energeetikas on tulekul koostootmise aeg

Siirde, Andres; Tammoja, Heiki Äripäev 2002 / 5. apr., lk. 22

Energy industry waste as a thermochemical energy storage resource

Maaten, Birgit; Konist, Alar; Siirde, Andres 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14th Mediterranean Conference on Calorimetry and Thermal Analysis , 27-30 August 2019, Roma, Italy: CEEC-TAC5 & Medicta2019 : book of abstracts 2019 / p. 81 <http://www.ceec-tac.org/download.php?f=../download/BoA%20CEEC-TAC5%20Medicta2019.pdf>

Energy performance of the Serbian and Estonian family house with a selective absorption facade

Lukic, N.; Nešovic, A.; Nikolic, N.; Siirde, Andres; Volkova, Anna; Latõšov, Eduard IOP conference series : materials science and engineering 2019 / art. 012047, 10 p. : ill <https://doi.org/10.1088/1757-899X/659/1/012047> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Energy planning models analysis and their adaptability for Estonian energy sector

Dementjeva, Nadežda; Siirde, Andres 11th ISEE European Conference, "Energy Economy, Policies and Supply Security: Surviving the Global Economic Crisis" August 25-28, 2010 / p. 205-207

Energy planning models analysis and their adaptability for Estonian energy sector = Energeetika planeerimise mudelite analüüs ja nende rakendatavus Eesti energiasektoris

Dementjeva, Nadežda 2009 <https://digi.lib.ttu.ee/i/?453> https://www.ester.ee/record=b2540310*est

Energy related sustainability analysis of shale oil retorting technologies

Gušča, Julija; Siirde, Andres; Eldermann, Meelis Energy procedia 2015 / p. 216-221 : ill <https://doi.org/10.1016/j.egypro.2015.06.031>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Enhanced selection of biofuel small-scale combined heat and power plant [Electronic resource]

Latšov, Eduard; Siirde, Andres The 6th Annual Conference of Young Scientists on Energy Issues : CYSENI 2009 : Kaunas, 28-29 May 2009 : conference proceedings 2009 / ? p. [CD-ROM]

Environmental impacts of shale oil production. Sensitivity analysis

Gušča, Julija; Siirde, Andres; Eldermann, Meelis Conect : International Scientific Conference of Environmental and Climate Technologies : October 14-15, 2014 2014

Estimation of carbon emission factors for the Estonian shale oil industry

Siirde, Andres; Roos, Inge; Martins, Ants Oil shale 2011 / 1S, p. 127-139 : ill https://artiklid.elnet.ee/record=b2286556*est

Estimation of heat losses in district heating networks

Hlebnikov, Aleksandr; Siirde, Andres Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2004 / p. 91-95 : ill

Estimation of thermal insulation efficiency of Estonian district heating networks

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu Advances in Heat Transfer : proceedings of the Baltic Heat Transfer Conference : September 19-21, 2007. Volume 2 2007 / p. 500-505 : ill

Experimental analysis of combustion characteristics of Estonian oil shale in regular and oxy-fuel atmospheres = Eesti põlevkivi põlemiskarakteristikute eksperimentaalne analüüs tavalises ja oxy-fuel keskkonnas

Loo, Lauri 2018 <https://digi.lib.ttu.ee/i/?10575> https://www.ester.ee/record=b5151046*est

Experimental analysis of the combustion characteristics of Estonian oil shale in air and oxy-fuel atmospheres

Loo, Lauri; Maaten, Birgit; Siirde, Andres; Pihu, Tõnu; Konist, Alar Fuel processing technology 2015 / p. 317-324 : ill
<https://doi.org/10.1016/j.fuproc.2014.12.051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental investigation of the high-speed combustion of different oil shales

Maaten, Birgit; Konist, Alar; Siirde, Andres 12th European Symposium on Thermal Analysis and Calorimetry ESTAC 12 : 27-30 August 2018, Brasov, Romania : book of abstracts 2018 / PS2.030, p. 396 <http://estac12.org/download.php?f=../download/BoA%20ESTAC12.pdf>

Factors affecting the improvement of district heating. Case studies of Estonia and Serbia

Rušeljuk, Pavel; Volkova, Anna; Lukic, Nebojša; Lepiksaar, Kertu; Nikolic, Novak; Nešovic, Aleksandar; Siirde, Andres Environmental and Climate Technologies 2021 / p. 521-533 <https://doi.org/10.2478/rtuct-2020-0121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Feasibility of thermal energy storage integration into biomass CHP-based district heating system

Volkova, Anna; Latšov, Eduard; Andrijaškin, Maksim; Siirde, Andres Chemical engineering transactions 2018 / p. 499-504 : ill
<https://doi.org/10.3303/CET1870084> [Journal metrics at Scopus](#) [Article at Scopus](#)

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". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 277-279 : ill
http://ise.elnet.ee/record=b2950220~S2*est

Gas-chromatographic determination of sulfur compounds in the gasoline fractions of shale oil and oil obtained from used tires

Pihl, Olga; Niidu, Allan; Merkulova, Nadežda; Fomitšov, Mihhail; Siirde, Andres; Tšepelevitš, Maria Oil shale 2019 / p. 188–

196 : ill http://www.kirj.ee/public/oilshale_pdf/2019/issue_2S/OS-2019-2S-188-196.pdf <https://doi.org/10.3176/oil.2019.2S.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hea lugeja! : [juhtkirj]

Siirde, Andres Elektriala 2016 / lk. 5

Heat load model for small-scale CHP planning

Latõšov, Eduard; Siirde, Andres Proceedings of International Conference on Renewable Energies and Power Quality(ICREPQ'10) : Granada (Spain), 23th to 25th March, 2010 2010 / [4] p.: ill. [CD-ROM]
https://www.researchgate.net/publication/318117834_Heat_load_model_for_small-scale_CHP_planning

Heat pump potential in the Baltic States

Volkova, Anna; Pieper, Henrik; Koduver, Hardi; Lepiksaar, Kertu; Siirde, Andres 2021
<https://pub.norden.org/nordicenergyresearch2021-02/>

Heat pump use in rural district heating networks in Estonia

Lepiksaar, Kertu; Kalme, Kiur; Siirde, Andres; Volkova, Anna Environmental and climate technologies 2021 / p. 786–802
<https://doi.org/10.2478/rtuct-2021-0059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heat storage combined with biomass CHP under the national support policy. A case study of Estonia

Volkova, Anna; Latõšov, Eduard; Siirde, Andres Environmental and Climate Technologies 2020 / p. 171–184
<https://doi.org/10.2478/rtuct-2020-0011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heigo Mäemuru - insener juba enne inseneriks õppimist

Mäemuru, Heigo Mente et Manu 2018 / lk. 10-15 : fot https://ttu.ee/public/m/mente-et-manu/MM_02_2018/mobile/index.html#p=6
http://www.ester.ee/record=b1242496*est <http://dea.digar.ee/publication/AKmenteetmanu> https://artiklid.elnet.ee/record=b2862652*est

High-speed thermogravimetric analysis of the combustion of wood and Ca-rich fuel

Maaten, Birgit; Konist, Alar; Siirde, Andres 12th European Symposium on Thermal Analysis and Calorimetry ESTAC 12 : 27-30 August 2018, Brasov, Romania : book of abstracts 2018 / OP1.16, p. 72 <http://estac12.org/download.php?f=../download/BoA%20ESTAC12.pdf>

High-speed thermogravimetric analysis of the combustion of wood and Ca-rich fuel

Maaten, Birgit; Konist, Alar; Siirde, Andres Journal of thermal analysis and calorimetry 2019 / p. 2807–2811
<https://doi.org/10.1007/s10973-019-08785-6> Teadlased: puidu osakaalu suurendamine fossiilkütustes on üks lahendus [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The impact of parallel energy consumption on the district heating networks

Latõšov, Eduard; Siirde, Andres; Volkova, Anna; Thalfeldt, Martin; Kurnitski, Jarek Environmental and Climate Technologies 2019 / 13 p. : ill <https://doi.org/10.2478/rtuct-2019-0001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improvement of safety and health of the population of Tallinn with the aim of prolonging life

Tint, Piia; Munter, Rein; Siirde, Andres; Möller, Kalju; Konts, Peep; Siirak, Virve; Lavrentjev, Jüri Avoiding Aging Catastrophe : proceedings of the international symposium : 28-29 January 2002, Tallinn, Estonia 2002 / p. 65-70

Improving CHP flexibility by integrating thermal energy storage and power-to-heat technologies into the energy system

Lepiksaar, Kertu; Mašatin, Vladislav; Latõšov, Eduard; Siirde, Andres; Volkova, Anna Smart energy 2021 / art. 100022
<https://doi.org/10.1016/j.segy.2021.100022>

The influence of O2 and CO2 on the possible corrosion on steel transmission lines of natural gas

Latõšov, Eduard; Maaten, Birgit; Siirde, Andres; Konist, Alar Energy procedia 2018 / p. 63-70 : ill
<https://doi.org/10.1016/j.egypro.2018.07.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Integrated energy return on investment calculation model. Case study of oil shale derived motor fuel production industry

Gušča, Julija; Eldermann, Meelis; Siirde, Andres Proceedings of the 2nd International Conference on Energy & Environment: Bringing Together Engineering and Economics 2015 / 286-292

Integrated use of fluidized bed technology for oil production from oil shale

Siirde, Andres; Martins, Ants Proceedings of the 20th International Conference on Fluidized Bed Combustion. 1 2009 / p. 481-485

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 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](#)

Jätkusuutlik kaugküte : digitaalne õpik

Volkova, Anna; Latõšov, Eduard; Mašatin, Vladislav; Krupenski, Igor; Siirde, Andres 2022

<https://digikogu.taltech.ee/et/Item/5dd01aa2-609e-40ee-9927-4b708315faa1> https://www.ester.ee/record=b5491563*est

Kas energiast saab rabeda poliitika ohver?

Veiderma, Mihkel; Hamburg, Arvi; Siirde, Andres Postimees 2014 / lk. 10 <https://www.postimees.ee/2901013/mihkel-veiderma-kas-energiast-saab-rabeda-poliitika-ohver>

Kas põlevkivist gaasi tootmine aitaks parandada Eesti energiavarustuskindlustust 2.

Siirde, Andres Elektriala 2022 / lk. 10-11 : portr https://www.ester.ee/record=b1240496*est

Kas põlevkivist gaasi tootmine* aitaks parandada Eesti energiavarustuskindlustust 1.

Siirde, Andres Elektriala 2022 / lk. 11-13 : ill https://www.ester.ee/record=b1240496*est

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

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

Kuidas teha peedist pesumasinale trumlit? Auvere elektriyaam neelab veel miljoneid ega hakka niipea normaalselt tööle!

Niitra, Nils ohtuleht.ee 2023 / lk. 4-5 [Kuidas teha peedist pesumasinale trumlit? Auvere elektriyaam neelab veel miljoneid ega hakka niipea normaalselt tööle!](#)

Kuuldused, et põlevkivi kasutamine on lõppemas, ei vasta tõele

Siirde, Andres Elektriala 2016 / lk. 6-7 : fot https://artiklid.elnet.ee/record=b2757958*est

Laborite akrediteerimine ei tasu Eestis ära : [ka TTÜ soojustehnika instituudi juhataja A. Siirde kommentaarid]

Lees, Merike TööstusEST 2016 / lk. 14-16 : ill http://www.ester.ee/record=b4481084*est https://artiklid.elnet.ee/record=b2806821*est

Large-scale experimental investigation of heat transfer augmentation technique in gas-heated channels

Nešumajev, Dmitri; Pihu, Tõnu; Konist, Alar; Siirde, Andres International Heat Transfer Conference 16 : 2018, 10-15 August, Beijing, China 2018 / p. 5619-5626 <http://dx.doi.org/10.1615/IHTC16.hte.024075>

Leevi Mölder 90

Siirde, Andres Oil shale 2024 / p. 71-73 : portr <https://doi.org/10.3176/oil.2024.1.04> https://artiklid.elnet.ee/record=b2909523*est

Life cycle assessment of enhanced oil shale retorting technology

Eldermann, Meelis; Gušča, Julija; 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. 36 http://www.ester.ee/record=b4751282*est

Life cycle assessment of oil shale retorting by-products for production of resins

Gušča, Julija; Siirde, Andres; Eldermann, Meelis 14th International Conference on Environmental Science and Technology (CEST2015) : Rhodes, Greece, 3-5 September 2015 / p. 1580-1584

Maagaasi kasutamisest soojuse ja elektri koostootmisel

Siirde, Andres Maagaas, vedelgaas, tööstusgaasid, gaasiseadmed Eestis. Eesti Gaasiliit ... = Natural gas, LPG, industrial gases, gas appliances in Estonia. Estonian Gas Association ... 2012 / lk. 17-20 : portr

Madalsageduslike helilainete kasutamine sadestiste eemaldamiseks küttepindadelt

Käär, Harri; Rudi, Ülo; Siirde, Andres; Tiikma, Toomas Eesti Teaduste Akadeemia aastaaruanne 1994 1995 / lk. 52-53: ill

Mathematical model of two-phase flows loaded with light and heavy particles to analyze CFB processes

Kartušinski, Aleksander; Siirde, Andres; Rudi, Ülo; Šablinski, Aleksandr Oil shale 2011 / 1S, p. 169-180 : ill
https://artiklid.elnet.ee/record=b2286631*est

Mathematical modelling of the motion of dust-laden gases in the freeboard of CFB using the two-fluid approach
Kartušinski, Aleksander; Siirde, Andres Computational simulations and applications 2011 / p. 143-158 : ill
<https://www.intechopen.com/chapters/21780>

Method for assessing heat loss in a district heating network with a focus on the state of insulation and actual demand for useful energy
Chicherin, Stanislav; Mašatin, Vladislav; **Siirde, Andres; Volkova, Anna** Energies 2020 / art. 4505, 15 p. : ill
<https://doi.org/10.3390/en13174505> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Method of linear approximation of COP for heat pumps and chillers based on thermodynamic modelling and off-design operation
Pieper, Henrik; Krupenski, Igor; Markussen, Wiebke Brix; Ommen, Torben; **Siirde, Andres; Volkova, Anna** Energy 2021 / art. 120743 : ill <https://doi.org/10.1016/j.energy.2021.120743> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methodological approach to determining the effect of parallel energy consumption on district heating system
Latšov, Eduard; Volkova, Anna; Siirde, Andres; Kurnitski, Jarek; Thalfeldt, Martin Environmental and Climate Technologies 2017 / p. 5-14 : ill <https://doi.org/10.1515/rtuct-2017-0001> [Journal metrics at Scopus](#) [Article at Scopus](#)

Methodology for calculating CO2 emission from Estonian Shale Oil Industry = CO2 emissiooni arvutusmeetod Eesti põlevkivitööstusele
Roos, Inge 2013 https://www.ester.ee/record=b2969904*est

Methodology for defining of eligible capacity for wood fuel based cogeneration plants in small towns in Estonia
Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Journal of energy and power engineering 2011 / p. 481-489 : ill
<https://ortus.rtu.lv/science/en/publications/11170>

Methodology for evaluating the transition process dynamics towards 4th generation district heating systems
Volkova, Anna; Mašatin, Vladislav; Siirde, Andres Energy 2018 / p. 253-261 : ill <https://doi.org/10.1016/j.energy.2018.02.123> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methodology for the improvement of large district heating networks
Volkova, Anna; Mašatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres Proceedings of ECOS 2012 : the 25th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems : June 26-29, 2012, Perugia, Italy 2012 / p. 46-1 - 46-13 : ill <https://dom.lndb.lv/data/obj/file/30070253.pdf>

Methodology for the improvement of large district heating networks
Volkova, Anna; Mashatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres Scientific journal of Riga Technical University. Environmental and climate technologies 2012 / p. 39-45 : ill <https://dom.lndb.lv/data/obj/file/30070253.pdf>

Methodology for the improvement of large district heating networks
Volkova, Anna; Mašatin, Vladislav; Hlebnikov, Aleksandr; Siirde, Andres Scientific journal of Riga Technical University. Environmental and climate technologies 2013 / p. 39-45 <https://dom.lndb.lv/data/obj/file/30070253.pdf>

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](#)

Model for the analysis of combined heat and power production = Soojuse ja elektri koostootmise analüüsi mudel
Latšov, Eduard 2011

New trends in Estonian oil shale industry : editor's page
Raukas, Anto; Siirde, Andres Oil shale 2012 / p. 203-205 https://kirj.ee/public/oilshale_pdf/2012/issue_3/oil-2012-3-203-205.pdf

Non-isothermal turbulent jet flow through static particulate media
Rebassa, Josep Hueso; **Kartušinski, Aleksander; Krupenski, Igor; Siirde, Andres** Advances in heat transfer : proceedings of the 7th Baltic Heat Transfer Conference : Tallinn, Estonia, August 24-26, 2015 2015 / p. 67-72 : ill

Numerical simulation of two-phase turbulent flows in ash circulating fluidized bed = Turbulentsete kahefaasiliste voolude matemaatiline modelleerimine tuha tsirkuleerivas keevkihis
Krupenski, Igor 2010 https://www.ester.ee/record=b2595716*est

Numerical simulation of uprising gas and solids flow in Cfb by Euler/Euler approach

Kartušinski, Aleksander; Siirde, Andres; Rudi, Ülo; Šablinski, Aleksandr 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 169-173 : ill

Numerical simulation of uprising gas-solid particle flow in circulating fluidised bed

Kartušinski, Aleksander; Martins, Ants; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Krupenski, Igor; Siirde, Andres Oil shale 2008 / p. 125-138 : ill https://artiklid.elnet.ee/record=b1456418*est

Numerical simulation of uprising gas-solid particle (oil-shale ash) turbulent flow in CFB by different mathematical models

Krupenski, Igor; Kartušinski, Aleksander; Siirde, Andres Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27-28, 2010, Kaunas, Lithuania 2010

Numerical simulation of uprising gas-solid particles flow by 2D RANS model for CFB conditions

Krupenski, Igor; Kartušinski, Aleksander; Siirde, Andres 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 256-261 : ill

Numerical simulation of uprising gas-solid particles turbulent flow in circulating fluidized bed

Šablinski, Aleksandr; Kartušinski, Aleksander; Krupenski, Igor; Siirde, Andres; Rudi, Ülo 21st International Conference on Fluidized Bed Combustion : Naples (Italy), June 3-6, 2012 : proceedings. Vol. 2 2012 / p. 946-953 : ill

Numerical simulation of uprising gas-solid particles turbulent flow using two-dimesion Reynolds Average Navier Stokes equations for fluidized beds conditions

Krupenski, Igor; Kartušinski, Aleksander; Rudi, Ülo; Siirde, Andres International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 62 http://www.ester.ee/record=b4775098*est

Numerical simulation of uprising turbulent flow by 2D RANS for fluidized-bed conditions

Krupenski, Igor; Kartušinski, Aleksander; Siirde, Andres; Rudi, Ülo Oil shale 2010 / 2, p. 147-163 : ill https://artiklid.elnet.ee/record=b2156207*est

Obstacles for implementation of 4th generation district heating for large scale networks = Takistused neljanda põlvkonna kaugkütte rakendamisel suurtes kaugkütte võrkudes

Mašatin, Vladislav 2018 <https://digi.lib.ttu.ee/i/?9986> https://www.ester.ee/record=b5139908*est

Oil shale

2019 <https://kirj.ee/oilshale/> https://www.ester.ee/record=b1072685*est

Oil shale

2022 https://www.ester.ee/record=b1072685*est <https://kirj.ee/oilshale/>

Oil shale

2021 <https://kirj.ee/oilshale/> https://www.ester.ee/record=b1072685*est

Oil shale

2024 https://www.ester.ee/record=b1072685*est <https://kirj.ee/oilshale/> [Ajakiri Scopuses](#)

Oil shale

2025 https://www.ester.ee/record=b1072685*est <https://kirj.ee/oilshale/> [Ajakiri Scopuses](#)

Oil shale

2023 https://www.ester.ee/record=b1072685*est <https://kirj.ee/oilshale/>

Oil shale

2020 <https://kirj.ee/oilshale/> https://www.ester.ee/record=b1072685*est

Oil shale - global solution or part of the problem? : editor's page

Siirde, Andres Oil shale 2008 / p. 201-202 https://artiklid.elnet.ee/record=b2384372*est

Oil Shale : [ajakiri]

Siirde, Andres Eesti Teaduste Akadeemia sõnas ja pildis 2022 2023 / lk. 64-65 : ill https://www.ester.ee/record=b5054043*est

Oil shale fluidized bed retorting technology with CFB furance for burning the by-products

Siirde, Andres; Martins, Ants International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 56-57 http://www.ester.ee/record=b4775098*est

Oil shale of Maghreb countries in comparison with Estonian one

Siirde, Andres; Veiderma, Mihkel International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 44

Oil shale pulverized firing : boiler efficiency, ash balance and flue gas composition

Konist, Alar; Pihu, Tõnu; Nešumajev, Dmitri; Siirde, Andres Oil shale 2013 / p. 6-18 : ill https://artiklid.elnet.ee/record=b2604229*est
<https://doi.org/10.3176/oil.2013.1.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oil shale pyrolysis products and the fate of sulfur

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

Oil shale related fundamental research and industry development

Siirde, Andres Oil shale 2015 / p. 1-4 https://artiklid.elnet.ee/record=b2716290*est <https://doi.org/10.3176/oil.2015.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimal dimensioning of Estonian old non-optimised district heating networks

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu Scientific proceedings of Riga Technical University. Serija 4, Power and electrical engineering 2007 / p. 55-62

Optimization of Narva district heating network and analysis of competitiveness of oil shale CHP building in Narva

Hlebnikov, Aleksandr; Dementjeva, Nadežda; Siirde, Andres Oil shale 2009 / 3S, p. 269-282 : ill
https://artiklid.elnet.ee/record=b1489943*est

Perekond Siirded : ülikooli on reformitud kogu aeg!

Siirde, Andres; Siirde, Kaarel; Siirde, Virve Mente et Manu 2018 / lk. 10-17 : fot http://www.ester.ee/record=b1242496*est
<http://dea.digar.ee/publication/AKmenteetmanu> https://artiklid.elnet.ee/record=b2865197*est

Planning of district heating regions in Estonia

Volkova, Anna; Latõšov, Eduard; Lepiksaar, Kertu; Siirde, Andres International journal of sustainable energy planning and management 2020 / p. 5-16 : ill <https://doi.org/10.5278/ijsepm.3490> [Journal metrics at Scopus](#) [Article at Scopus](#)

Possibilities for reducing the circulation ratio and mass of ashes in the furnaces of circulating fluidized bed boilers

Siirde, Andres; Martins, Ants Circulating Fluidized Bed Technology IX : proceedings of the 9th International Conference on Circulating Fluidized Beds in conjunction with 4th International VGB Workshop "Operating Experience with Fluidized Bed Firing Systems" : May 13-16, 2008, Hamburg, Germany 2008 / p. 363-368 : ill

Possibilities of using biofuel small scale combined heat and power plants in Estonia

Latõšov, Eduard; Siirde, Andres 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 89-92 : ill

Potential of solid residues from power plants as thermochemical energy storage materials

Maaten, Birgit; Konist, Alar; Siirde, Andres Journal of thermal analysis and calorimetry 2020 / p. 1799-1805
<https://doi.org/10.1007/s10973-020-09948-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Preface

Paist, Aadu; Siirde, Andres The 12th International Symposium on District Heating and Cooling : September 5th to September 7th, 2010, Tallinn, Estonia : [programme] 2010 / p. 3 https://www.ester.ee/record=b2648114*est

Primary energy factor for district heating networks in European Union member states

Latõšov, Eduard; Volkova, Anna; Siirde, Andres; Kurnitski, Jarek; Thalfeldt, Martin Energy procedia 2017 / p. 69-77 : ill
<https://doi.org/10.1016/j.egypro.2017.05.056> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Production of fuel oil from Estonian oil shale : an indicator-based decomposition analysis

Gušča, Julija; Siirde, Andres; Eldermann, Meelis; Rohumaa, Priit 27th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS 2014) : Turku, Finland, 15-19 June 2014. Vol. 2 2014 / p. 1226-1240

Production of snow and ice melting agents - calcium and magnesium acetates from oil shale industry combustion waste

Muldma, Kati; Mets, Birgit; Siirde, Kaarel; Siirde, Andres; Reinaas, Maria; Närep, Angelica; Uustalu, Jaan-Mihkel; Koern, Villem Ödner; Lopp, Margus; Kaldas, Kristiina ISCRE 28 : Abstracts 2024 / 2 p
https://www.iscre28.org/abstracts/abstract_588_518_1.pdf <https://www.iscre28.org/abstracts.html>

Projekt "Eesti doktoriõppe tulemuslikkuse, kvaliteedi ja jätkusuutlikkuse tagamise süsteem" 2005-2008 : eesmärgid ja nende saavutamise meetodid

Puura, Väino; Eamets, Raul; Kämer, Anita; Siirde, Andres Eesti doktoriõppe kvaliteedi, tulemuslikkuse ja jätkusuutlikkuse tagamise

Prospects for hydrogen production in oil shale processing industry in Estonia : initial aspects of life cycle analysis
Eldermann, Meelis; Siirde, Andres; Gušča, Julija Energy procedia 2016 / p. 536-539 : ill <https://doi.org/10.1016/j.egypro.2016.09.081>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Põlevkivi CO2 jalajälg Euroopa Liidu energiapoliitikas

Siirde, Andres; Eldermann, Meelis Põlevkivi - kelle rikkus? : konverents, 15. november 2012, Jõhvi 2012 / lk. 15-28 : ill

Põlevkivid - nende kasutamine ja töötlemise tehnoloogiad

Siirde, Andres Põlevkivi kaevandamise, töötlemise ja hariduse perspektiivid : põlevkivitehnoloogia ja hariduse konverents 2009 : [17. aprill 2009, Jõhvi] 2009 / lk. 22-24

Põlevkivivaldkonna tehnoloogilised uuendused

Siirde, Andres TööstusEST 2018 / lk. 54-55 : ill https://www.ester.ee/record=b4481084*est <https://toostusest.ee/uudis/2018/09/04/polevkivi-tehnoloogilised-uuendused/> https://artiklid.elnet.ee/record=b2865328*est

Põlevkiviõli tootmise konkurentsivõimelisus uues, aastatel 2013-2020 rakenduva kasvuhoonegaaside kauplemise süsteemis

Siirde, Andres Innovaatilised lahendused ja säästvad tehnoloogiad : konverents 2010 2010 / lk. 15-16

QFD framework for selection of industry development scenarios

Eldermann, Meelis; Siirde, Andres; Gušča, Julija Energy procedia 2017 / p. 230-233 : ill <https://doi.org/10.1016/j.egypro.2017.09.060>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

RANS numerical modelling of turbulent polydispersed flows in CFB freeboard = Turbulentsete voolude matemaatiline RANS modelleerimine tsirkuleeriva keevkihi tingimustes

Šablinski, Aleksandr 2015 https://www.ester.ee/record=b4446487*est

Reduction of greenhouse gas emissions from energy sector

Roos, Inge; Siirde, Andres 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 154-156 : ill

Reed as a gasification fuel : a comparison with woody fuels

Link, Siim; Kask, Ülo; Paist, Aadu; Siirde, Andres; Külaots, Indrek Mires and peat 2013 / p. 1-12 : ill

Risk management of major accident hazards in Estonia

Tint, Piia; Munter, Rein; Lavrentjev, Jüri; Siirde, Andres; Möller, Kalju; Siirak, Virve Safety and Reliability : International Conference to Safer Life and Environment : KONBiN 2003 : Gdynia, May 27-30, 2003. Volume 1, Hazard, Risk and Safety Analysis and Prediction Accident and Pollution Investigations 2003 / p. 151-158

Selection of the most appropriate regions for wood fuel based cogeneration plants using multicriteria decision analysis methods

Volkova, Anna; Latõšov, Eduard; Siirde, Andres International journal of energy 2010 / 2, p. 29-36 : ill
https://www.researchgate.net/publication/267689284_Selection_of_the_most_appropriate_regions_for_wood_fuel_based_cogeneration_plants_using_multi_criteria_decision_analysis_methods

Short-term tests on firing oil shale fuel applying low-temperature vortex technology

Pihu, Tõnu; Konist, Alar; Nešumajev, Dmitri; Loosaar, Jüri; Siirde, Andres; Parve, Teet; Molodtsov, Artjom Oil shale 2012 / p. 3-17 : ill https://artiklid.elnet.ee/record=b2479209*est

Simulation of the accumulator tank coupled with the power unit of power plant under the conditions of open electricity market

Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Chemical engineering transactions 2012 / p. 757-762 : ill
https://www.researchgate.net/publication/278111928_Simulation_of_the_Accumulator_Tank_Coupled_with_the_Power_Unit_of_Power_Plant_under_the_Conditions_of_Open_Electricity_Market

Small low-temperature district heating network development prospects

Volkova, Anna; Krupenski, Igor; Pieper, Henrik; Ledvanov, Aleksandr; Latõšov, Eduard; Siirde, Andres Energy 2019 / p. 714-722 <https://doi.org/10.1016/j.energy.2019.04.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Small-scale CHP potential in Latvia and Estonia

Volkova, Anna; Latõšov, Eduard; Siirde, Andres Scientific proceedings of Riga Technical University. 13, Environmental and climate technologies 2009 / p. 127-134 https://www.researchgate.net/publication/250167446_Small-Scale_Chp_Potential_in_Latvia_and_Estonia

Solid heat carrier oil shale retorting technology with integrated CFB technology

Nešumajev, Dmitri; Pihu, Tõnu; Siirde, Andres; Järvik, Oliver; Konist, Alar Oil shale 2019 / p. 99–113 : ill

<https://doi.org/10.3176/oil.2019.2S.02> http://www.kirj.ee/public/oilshale_pdf/2019/issue_2S/OS-2019-2S-99-113.pdf [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Soojusenergeetika kateeder ja soojustehnika instituut

Paist, Aadu; Siirde, Andres Mehaanikainseneride koolitus 1998-2016 2016 / lk. 133-159 : ill., fot

https://www.ester.ee/record=b4640989*est

Sustainability analysis of shale oil production industry

Gušča, Julija; Siirde, Andres; Eldermann, Meelis Conect : International Scientific Conference of Environmental and Climate Technologies : October 14-15, 2014 2014

Technical improvement potential of large district heating network : application to the case of Tallinn, Estonia

Latõšov, Eduard; Volkova, Anna; Hlebnikov, Aleksandr; Siirde, Andres Energy procedia 2018 / p. 337-344 : ill

<https://doi.org/10.1016/j.egypro.2018.08.197> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Tehnikavaldkonna rahvusülikool ristteel

Maidla, Margus Sirp 2021 / lk. 34-35 : fot <https://www.sirp.ee/s1-artiklid/c21-teadus/tehnikavaldkonna-rahvusulikool-ristteel/>

The composition and reactivity of different oil shales and the products formed during thermal treatment = Erinevate põlevkivide koostis ja reaktiivsus ning nende termilisel töötusel tekkivad produktid

Maaten, Birgit 2018 http://www.ester.ee/record=b4905661*est <https://digi.lib.ttu.ee/i/?9817> https://www.ester.ee/record=b4905661*est

The Estonian district heating networks major characteristic parameters difference from the optimal values and efficiency increasing potential

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu 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. 112-118 : ill

The European Union takes an interest to oil shale

Siirde, Andres; Veiderma, Mihkel International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 26-27 http://www.ester.ee/record=b4775098*est

The impact of alternative heat supply options on CO2 emission and district heating system

Mašatin, Vladislav; Link, Siim; Siirde, Andres Chemical engineering transactions 2014 / p. 1105-1110 : ill

<https://doi.org/10.3303/CET1439185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The impact of pollution charges, ash handling and carbon dioxide to cost competitiveness of fuel sources for energy production in Estonia

Latõšov, Eduard; Kleesmaa, Jüri; Siirde, Andres Scientific journal of Riga Technical University. Serija 13, Environmental and climate technologies 2010 / p. 58-63 : ill <https://sciendo.com/article/10.2478/v10145-010-0019-2>

The impact of subsidy mechanisms on biomass and oil shale based electricity cost prices

Latõšov, Eduard; Volkova, Anna; Siirde, Andres Oil shale 2011 / 1S, p. 140-151 : ill https://artiklid.elnet.ee/record=b2286561*est

The major characteristic parameters and present efficiency of the Estonian district heating networks

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 155-160 : ill

The major characteristic parameters of the Estonian district heating networks and their difference from the optimal values

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2006 / p. 156-165

The major characteristic parameters of the Estonian district heating networks and their efficiency increasing potential

Hlebnikov, Aleksandr; Siirde, Andres Energetika 2008 / 4, p. 67-74

The major characteristic parameters of the Estonian district heating networks, their problems and development

Hlebnikov, Aleksandr; Siirde, Andres The 11th International Symposium on District Heating and Cooling 2008 / p. 141-148

The oil-shale 1,5 D combustion model for circulating fluidized bed (CBF) boilers

Nešumajev, Dmitri; Pihu, Tõnu; 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. 27

http://www.ester.ee/record=b4751282*est

The potential of thermal energy storage technologies in district heating system in Estonia

The present water velocities and friction losses in Estonian old district heating networks and their difference from the optimum [Electronic resource]

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu The 5th Annual Conference of Young Scientists on Energy Issues : CYSENI 2008 : conference proceedings 2008 / p. IV-18 - IV-25 [CD-ROM]

The renovation plan development example for old district heating network in Narva city [Electronic resource]

Hlebnikov, Aleksandr; Siirde, Andres The 6th Annual Conference of Young Scientists on Energy Issues : CYSENI 2009 : Kaunas, 28-29 May 2009 : conference proceedings 2009 / ? p. [CD-ROM]

The use of thermal energy storage for energy system based on cogeneration plant

Volkova, Anna; Siirde, Andres Recent Researches in Geography, Geology, Energy, Environment and Biomedicine : Proceedings of the 4th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG '11) : Proceedings of the 2nd International Conference on Geography and Geology 2011 (WORLD-GEO '11) : Proceedings of the 5th International Conference on Energy and Development - Environment - Biomedicine 2011 (EDEB '11), Corfu Island, Greece, July 14-16, 2011 2011 / p. 71-75 : ill

Use of multi-criteria decision analysis for choosing an optimal location for a wood fuel based cogeneration plant : a case study in Estonia

Volkova, Anna; Latõšov, Eduard; Siirde, Andres Selected Topics in Energy, Environment, Sustainable Development and Landscaping : 6th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD '10), 3rd WSEAS International Conference on Landscape Architecture (LA '10) : Politehnica University of Timisoara, Romania, October 21-23, 2010 2010 / p. 89-94 : ill

Влияние загрязнения экранов на теплообмен в топках при сжигании канско-ачинских углей и сланцев

Ots, Arvo; Siirde, Andres Решение VI всесоюзной конференции "Радиационный теплообмен в технике и технологии" [8-10 сент. 1987 г.] 1987 / с. 11

Влияние загрязнения экранов на теплообмен в топках при сжигании сланцев

Ots, Arvo; Tallermo, Harri; Siirde, Andres Тезисы докладов республиканской конференции "Проблемы загрязнения и очистки наружных поверхностей нагрева паровых котлов", 19-23 апреля 1988 г. 1988 / с. 144-148

Влияние загрязнения экранов на теплообмен в топках при сжигании сланцев

Ots, Arvo; Tallermo, Harri; Siirde, Andres Исследование работы парогенераторов электростанций 1988 / с. 32-39

Влияние низкотемпературного вихревого (НТВ) процесса сжигания сланцев на работу конвективного пароперегревателя котла ТП-17 (ст. № 13) прибалтийской ГРЭС

Alfimov, G.; Lõssakov, I. I.; Laid, Jaan; Siirde, Andres Влияние минеральной части энергетических топлив на условия работы паровых котлов : тезисы докладов IV Всесоюзной конференции. Том I, секция 1, Превращение минеральной части топлива в факеле и механизм загрязнения поверхностей нагрева 1986 / с. 36-42 : илл https://www.ester.ee/record=b1217201*est

Влияние полупикового режима на условия работы пароперегревателя пылесланцевого котла

Ots, Arvo; Randmann, Rein; Suurkuusk, Tõnu; Siirde, Andres; Abram, Jaan Исследование работы парогенераторов электростанций 1989 / с. 45-52

Водяная очистка поверхностей нагрева паровых котлов глубоководными аппаратами

Ots, Arvo; Tallermo, Harri; Siirde, Andres Исследование работы паровых котлов электростанций 1982 / с. 3-14 : илл https://www.ester.ee/record=b1527395*est <https://digikogu.taltech.ee/et/Item/a8e8b02c-2427-4c62-a6f2-44166b7f79be>

Износ труб ширмовых пароперегревателей котла в условиях водяной очистки при сжигании назаровского угля

Ots, Arvo; Tallermo, Harri; Mäeküla, Oskar; Randmann, Rein; Touart, Raivo; Siirde, Andres; Schnaider, V.; Stoljarevski, V. Теплоэнергетика 1984 / с. 34-37 : ил https://www.ester.ee/record=b1443335*est

Исследование водяной струи обмывочного аппарата

Kull, Arvo; Siirde, Andres Проблемы работы котельных установок тепловых электростанций 1981 / с. 29-39 : илл https://www.ester.ee/record=b1326766*est <https://digikogu.taltech.ee/et/Item/4b9fff4d-99cf-4008-8b3d-cfb02089f7f4>

Исследование работы пароперегревателя котла ТП-17 при низкотемпературном вихревом сжигании сланцев

Alfimov, G.V.; Laid, Jaan; Litinetski, A.V.; Lõssakov, I. I.; Rundõgin, J.A.; Siirde, Andres; Solovei, A.G.; Fadejev, V.V. Проблемы работы котельных установок тепловых электростанций 1984 / с. 57-66

Исследование разаятия водяной струи обмывочного аппарата

Kull, Arvo; Männikus, I.; Siirde, Andres; Tallermo, Harri Тезисы докладов XXXI студенческой научно-технической конференции 1980 / с. 74-76 https://www.ester.ee/record=b1319482*est

Исследование струи воды, вытекающей из насадки вращающейся головки обмывочного аппарата

Kull, Arvo; Siirde, Andres Исследование работы парогенераторов электростанций 1983 / с. 59-70 : ил
https://www.ester.ee/record=b1286777*est <https://digikogu.taltech.ee/et/Item/627a2ff9-edd8-46a1-82bd-0a3fda51b198>

К расчету теплообмена в топках котлов

Ingermann, Karl; Siirde, Andres Проблемы работы котельных установок тепловых электростанций 1988 / с. 72-82

Коррозионная стойкость хромированных труб при сжигании эстонских сланцев

Ots, Arvo; Suik, Heinrich; Touart, Raivo; Pella, Villu; Siirde, Andres Влияние минеральной части энергетических топлив на условия работы паровых котлов : тезисы докладов IV Всесоюзной конференции. Том III, секция 2, Высокотемпературная коррозия износ и очистка поверхностей нагрева : тезисы докладов IV Всесоюзной конференции 1986 / с. 151-154 : таб
https://www.ester.ee/record=b1217230*est

Локальная тепловая эффективность реконструированной топки парового котла П-49

Poobus, Arvi; Siirde, Andres; Tiikma, Toomas Исследование работы парогенераторов электростанций 1983 / с. 121-129 : ил
https://www.ester.ee/record=b1286777*est <https://digikogu.taltech.ee/et/Item/627a2ff9-edd8-46a1-82bd-0a3fda51b198>

Опыт внедрения систем пневмообрушения на базе устройств «ИСТА-4» в бункерах сырого сланца

Missenjov, Sergei; Siirde, Andres; Jurkin, Sergei; Jakutov, Vladimir Электрические станции 2011 / с. 52-55

Опыт водяной обмывки топочных экранов с помощью глубоководных аппаратов

Ots, Arvo; Tallermo, Harri; Siirde, Andres; Pella, Villu Повышение надежности работы поверхностей нагрева котлоагрегатов : Тезисы докладов республиканской научно-технической конференции (г. Счастье Ворошиловгр. обл., 29 сент. - 1 окт. 1982 г.) 1982 / с. 37-39

Опыт применения водяной обмывки для очистки ширмовых пароперегревателей котлов

Ots, Arvo; Siirde, Andres; Ingerma, August; Tallermo, Harri Повышение надежности работы поверхностей нагрева котлоагрегатов. Тезисы докладов республиканской научно-технической конференции (г. Счастье Ворошиловградской области, 29 сент. - 1 окт. 1982 г.) 1982 / с. 41-42

Опыт применения комбинированной очистки ширмового пароперегревателя пылесланцевого котла

Ots, Arvo; Tallermo, Harri; Siirde, Andres Проблемы работы котельных установок тепловых электростанций 1984 / с. 25-35

Предотвращения зависания топлива с помощью системы импульсного пневмообрушения

Siirde, Andres; Юркин, С.В; Якуто, В.В. Электрические станции 2006 / 9, с. 31-34

Проблемы износа пароперегревателей сланцевых котлов

Tallermo, Harri; Laid, Jaan; Tomann, Elvi; Siirde, Andres; Abram, Jaan; Randmann, Rein Влияние минеральной части энергетических топлив на условия работы паровых котлов : тезисы докладов IV Всесоюзной конференции. Том III, секция 2, Высокотемпературная коррозия износ и очистка поверхностей нагрева : тезисы докладов IV Всесоюзной конференции 1986 / с. 137-140 https://www.ester.ee/record=b1217230*est

Системы очистки поверхностей нагрева котла глубоководными обмывочными аппаратами : автореферат ... кандидата технических наук (05.04.01)

Siirde, Andres 1984 http://www.ester.ee/record=b1236026*est

Температурный режим вторичного пароперегревателя пылесланцевого котла ТП-101

Ots, Arvo; Tallermo, Harri; Laid, Jaan; Randmann, Rein; Siirde, Andres; Abram, Jaan; Siig, E. Проблемы работы котельных установок тепловых электростанций 1988 / с. 90-96

Тепловая эффективность пароперегревателей сланцевых котлов

Tallermo, Harri; Siirde, Andres; Puganov, B; Ingermann, Karl; Abram, Jaan Влияние минеральной части энергетических топлив на условия работы паровых котлов : тезисы докладов IV Всесоюзной конференции. Том III, секция 2, Высокотемпературная коррозия износ и очистка поверхностей нагрева : тезисы докладов IV Всесоюзной конференции 1986 / с. 140-146 : илл https://www.ester.ee/record=b1217230*est

Тепловая эффективность топок паровых котлов, сжигающих низкосортные топлива

Ots, Arvo; Mikk, Ilmar; Ingermann, Karl; Siirde, Andres; Tiikma, Toomas Тепломассообмен-ММФ 1988 / с. [?]

Тепловая эффективность ширмовых пароперегревателей в условиях длительной комбинированной очистки

Ots, Arvo; Tallermo, Harri; Ingermann, Karl; Ingerma, August; Touart, Raivo; Siirde, Andres; Stoljarevski, V.K.; Serebrjakov, V.I.; Grigorjev, L.F.; Schneider, V. Проблемы работы котельных установок тепловых электростанций 1981 / с. 41-51 : илл
https://www.ester.ee/record=b1326766*est <https://digikogu.taltech.ee/et/Item/4b9fff4d-99cf-4008-8b3d-cfb02089f7f4>

Тепловосприятие топок при их водяной очистке глубоководными аппаратами

Ots, Arvo; Tallermo, Harri; Siirde, Andres; Ingerma, August Теплоэнергетика 1987 / с. 53-57 : рис

Теплоэнергетика

Ratnik, Velda; Õispuu, Leo; Rajur, Kaido; Ots, Arvo; Tallermo, Harri; Siirde, Andres; Paist, Aadu; Nuutre, Maaris; Poobus, Arvi; Mahlapuu, Aime; Tiikma, Toomas; Tiisler, Lilian; Alfimov, G.; Laid, Jaan; Litinetski, A.V.; Lössakov, I. I.; Rundõgin, J.; Solovei, A.G.; Fadejev, V.V.; Maarend, Jaak; Viisimaa, Matti; Käär, Harri 1984 https://www.ester.ee/record=b1527413*est

Теплоэнергетика

Ratnik, Velda; Rootamm, Rein; Õispuu, Leo; Ennik, H.; Rips, Andrus; Õiger, V.; Kruus, Rein; Käär, Harri; Ots, Arvo; Tallermo, Harri; Siirde, Andres; Prikk, Arvi; Tomann, Elvi; Touart, Raivo; Bojarinova, Tatjana; Suik, Heinrich; Suurkuusk, Tõnu; Kask, Ülo; Aronov, M.A.; Lausmaa, Toomas; Klevtsov, Ivan 1988 https://www.ester.ee/record=b1292891*est

Теплоэнергетика

Ratnik, Velda; Õispuu, Leo; Tallermo, Harri; Pihu, Tõnu; Rips, Andrus; Ennik, H.; Ots, Arvo; Arro, Hendrik; Prikk, Arvi; Paist, Aadu; Ingermann, Karl; Siirde, Andres; Viilmann, Illar; Tiikma, Toomas; Laid, Jaan; Randmann, Rein; Abram, Jaan; Siig, E. 1988 https://www.ester.ee/record=b1288163*est

Теплоэнергетика

Ratnik, Velda; Suik, Heinrich; Randmann, Rein; Kask, Ülo; Sammelselg, V.; Siirde, Andres; Ots, Arvo; Laid, Jaan; Anson, Genrih; Micevic, Z.; Tiikma, Toomas; Käär, Harri; Jõgeva, Jüri; Martšenkov, Vladimir; Veski, Ants; Klevtsov, Ivan; Tugov, A. 1989 https://www.ester.ee/record=b1528860*est

Теплоэнергетика

Ratnik, Velda; Rootamm, Rein; Õispuu, Leo; Fadejev, V.V.; Rajur, Kaido; Vürst, E.; Schwarz, V.; Ots, Arvo; Randmann, Rein; Suurkuusk, Tõnu; Siirde, Andres; Abram, Jaan; Mikk, Ilmar; Lausmaa, Toomas; Tiikma, Toomas; Käär, Harri; Vares, Villu; Klevtsov, Ivan 1989 https://www.ester.ee/record=b1379136*est

Эксплуатационная надежность труб с хромовым покрытием при сжигании эстонских сланцев

Suik, Heinrich; Randmann, Rein; Kask, Ülo; Sammelselg, V.; Siirde, Andres Проблемы работы котельных установок тепловых электростанций 1989 / с. 3-12