

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 IEE 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>

Exploring different methods for valorising oil shale ash into calcium and magnesium acetate de-icers

Muldma, Kati; Mets, Birgit; Siirde, Andres; Umerenkova, Violetta; Lopp, Margus; Kaldas, Kristiina Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 27 ; poster 18 https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts_pub3.pdf

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

Rušelj, 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! : [juhtkiri]

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.estar.ee/record=b1242496*est <http://dea.digar.ee/publication/AKmentetmanu> 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; Kots, 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.estar.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 pesumasinala trumlit? Auvere elektri jaam neelab veel miljoneid ega hakka niipea normaalselt tööle!

Niitra, Nils ohtuleht.ee 2023 / lk. 4-5 [Kuidas teha peedist pesumasinala trumlit? Auvere elektri jaam 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 aastaruanne 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/ruect-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 furnace 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 süsteem : seminari materjalid. I : 26. oktoober 2005 2005 / lk. 7-10

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 töötlusel tekkivad produktid

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

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

Volkova, Anna; Latõšov, Eduard; Andrijaškin, Maksim; Siirde, Andres Energy procedia 2017 / 8 p. : ill

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

Исследование разaitия 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

Missenjoy, 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

Тепловосприятие топок при их водяной очистке глубоководными аппаратами

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

https://www.ester.ee/record=b1443335*est

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; Öiger, 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