

### **Activation and reactivity of Estonian oil shale cyclone ash towards SO<sub>2</sub> binding**

Kaljuvee, Tiit; Trass, Olev; Pihu, Tõnu; Konist, Alar; Kuusik, Rein, keemik Journal of thermal analysis and calorimetry 2015 / p. 19-28 : ill <https://doi.org/10.1007/s10973-014-4308-z> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Activation and reactivity of oil shale cyclone ash towards SO<sub>2</sub> binding**

Kaljuvee, Tiit; Trass, Olev; Pihu, Tõnu; Konist, Alar; Kuusik, Rein, keemik ESTAC-11 : the 11th European Symposium on Thermal Analysis and Calorimetry : Dipoli Congress Center, Espoo, Finland, August 17-21, 2014 : abstracts 2014 / p. 14

### **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

### **Atmospheric emissions reduction by introducing oil shale circulating fluidized bed combustion**

Arro, Hendrik; Loosaar, Jüri; Parve, Teet; Pihu, Tõnu; Prikk, Arvi 6th International Conference on Emission Monitoring : 9-11 June, Milan, 2004 2004 / p. ?

### **Automatiseeritud katelseade peenbiokütusele**

Ots, Arvo; Veski, Ants; Laid, Jaan; Pihu, Tõnu; Ingermann, Karl Eesti Turvas 1997 / 1/2, lk. 43-46: ill

### **Automatiseeritud kuumavee katelseade tükktribale ja puiduhakkele : [toote prospekt]**

Veski, Ants; Ots, Arvo; Pihu, Tõnu 1996

### **Balti Elektriijaama tuhaväljade keskkonnoahtlikkuse vähendamine**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu Keskkonnatehnika 2002 / 4, lk. 41-44 : ill [https://artiklid.elnet.ee/record=b2053944\\*est](https://artiklid.elnet.ee/record=b2053944*est)

### **Behavior of carbonate-rich fuels in AFBC and PFBC conditions**

Ots, Arvo; Arro, Hendrik; Pihu, Tõnu; Prikk, Arvi Proceedings of the 15th International Conference on Fluidized Bed Combustion : May 16-19, 1999, Savannah, Georgia [CD-ROM] 1999 / 20 p <https://www.osti.gov/biblio/20006717>

### **Biokütuse kasutaja käsiraamat**

Vares, Villu; Kask, Ülo; Muiste, Peeter; Pihu, Tõnu; Soosaar, Sulev 2005 [http://www.ester.ee/record=b2104711\\*est](http://www.ester.ee/record=b2104711*est)

### **Calculation of CO<sub>2</sub> emission from CFB boilers of oil shale power plants**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu Oil shale 2006 / 4, p. 356-365 : ill [https://artiklid.elnet.ee/record=b2364794\\*est](https://artiklid.elnet.ee/record=b2364794*est)

### **Calculation of composition of Estonian oil shale and its combustion products on the basis of heating value**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu Oil shale 1998 / 4, p. 329-340 <https://www.semanticscholar.org/paper/CALCULATION-OF-COMPOSITION-OF-ESTONIAN-OIL-SHALE-ON-Arro-Prikk/aad8479677f95be443d611a5ae1691226a02fb9e>

### **Calculation of qualitative and quantitative composition of Estonian oil shale and its combustion products. Part 1, Calculation on the basis of heating value**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu Fuel 2003 / p. 2179-2195

### **Calculation of qualitative and quantitative composition of Estonian oil shale and its combustion products. Part 2, Calculation on the basis of technical analysis data**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu Fuel 2003 / p. 2197-2204

### **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://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

### **Carbon dioxide sequestration in power plant Ca-rich ash waste deposits**

Leben, Kristjan; Mõtlep, Riho; Konist, Alar; Pihu, Tõnu; Kirsimäe, Kalle Oil shale 2021 / p. 65–88 : ill <https://doi.org/10.3176/oil.2021.1.04> [https://kirj.ee/wp-content/plugins/kirj/pub/OS-1-2021-65-88\\_20210222125803.pdf](https://kirj.ee/wp-content/plugins/kirj/pub/OS-1-2021-65-88_20210222125803.pdf) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Catastrophic wastage of tubes in fluidized bed boilers**

Suik, Heinrich; Pihu, Tõnu; Konist, Alar Oil shale 2011 / 1S, p.162-168 : ill [https://artiklid.elnet.ee/record=b2286625\\*est](https://artiklid.elnet.ee/record=b2286625*est)

## **Change of operation conditions of boilers heating surfaces at transition from pulverized firing of oil shale to fluidised bed technology**

**Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu** XXXII Kraftwerkstechnisches Kolloquium. Nutzung schwieriger Brennstoffe in Krzftwerken : 24-25 October, 2000 2000 / S. 13

## **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](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](#)

## **Co-combustion of wet biofuel and coal**

**Ots, Arvo; Veski, Ants; Pihu, Tõnu; Tiikma, Toomas** 1st World Conference on Biomass for Energy and Industry : proceedings of the conference held in Sevilla, Spain, 5-9 June, 2000. Volume I 2001 / p. 871-874 : ill

## **Combustion as a possible solution to pyrolytic wastewater utilization**

**Konist, Alar; Järvik, Oliver; Pihu, Tõnu; Nešumajev, Dmitri** Chemical engineering transactions 2018 / p. 859-864 : ill <https://doi.org/10.3303/CET1870144> [Journal metrics at Scopus](#) [Article at Scopus](#)

## **Combustion experience of Estonian oil shale in large power plants [Electronic resource]**

**Pihu, Tõnu; Arro, Hendrik; Prikk, Arvi; Parve, Teet; Loosaar, Jüri** International Conference on Oil Shale "Recent Trends in Oil Shale" : 7-9 November 2006, Amman, Jordan 2006 / [13] p. (paper no. rtos-A113) [CD-ROM]

## **Combustion of Baltic oil shale in boilers with fluidized bed combustion**

**Nešumajev, Dmitri; Ots, Arvo; Parve, Toomas; Pihu, Tõnu; Plamus, Kristjan; Prikk, Arvi** Power technology and engineering 2011 / p. 382-385

## **Combustion of Estonian oil shale in fluidized bed boilers, heating value of fuel, boiler efficiency and CO2 emissions**

**Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu** Oil shale 2005 / 4S, p. 399-405 : ill [https://artiklid.elnet.ee/record=b2352608\\*est](https://artiklid.elnet.ee/record=b2352608*est)

## **Combustion of fuel mixtures in oil shale fired CFBC and PC boilers**

**Pihu, Tõnu; Konist, Alar; Nešumajev, Dmitri; Loo, Lauri** International IX Oil Shale Conference 2017 "Oil Shale Industry in Circular Economy" : 15th-16th November 2017, [Jõhvi], Ida-Viru County, Estonia : summary 2017 / p. 24-25 [http://www.estar.ee/record=b4751282\\*est](http://www.estar.ee/record=b4751282*est)

## **Combustion of fuel mixtures in oil shale fired CFBC and PC boilers**

**Pihu, Tõnu; Konist, Alar; Nešumajev, Dmitri; Loo, Lauri; Veinjärvi, Rain** International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 22

## **Comparison of ash from PF and CFB boilers and behavior of ash fields**

**Arro, Hendrik; Pihu, Tõnu; Prikk, Arvi; Rootamm, Rein; Konist, Alar** Proceedings of the 20th International Conference on Fluidized Bed Combustion. 2 2009 / p. 1054-1060

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

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

## **Corrosion of air preheater tubes of oil shale CFB boiler. Part 1, Dew point of flue gas and low-temperature corrosion**

**Pihu, Tõnu; Arro, Hendrik; Prikk, Arvi; Rootamm, Rein; Konist, Alar** Oil shale 2009 / 1, p. 5-12 : ill [https://artiklid.elnet.ee/record=b1141180\\*est](https://artiklid.elnet.ee/record=b1141180*est)

## **Decomposition kinetics of American, Chinese and Estonian oil shales kerogen**

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

## **Eesti põlevkivi ja selle põlemissaaduste koostise ja koguste arvutamine**

**Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu** Keskkonnatehnika 2003 / 6, lk. 34-37 [https://artiklid.elnet.ee/record=b1014528\\*est](https://artiklid.elnet.ee/record=b1014528*est)

## **Eesti õlitööstuses tekkiva poolkoksi utiliseerimisest**

**Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu; Öpik, Ilmar** Keskkonnatehnika 2002 / 1, lk. 11-13 : ill [https://artiklid.elnet.ee/record=b1008995\\*est](https://artiklid.elnet.ee/record=b1008995*est)

## **Efficiency of small scale boilers**

**Plamus, Kristjan; Pihu, Tõnu** Advances in Heat Transfer : proceedings of the Baltic Heat Transfer Conference : September 19-21, 2007. Volume 1 2007 / p. 340-346 : ill

## **Environmental aspects of oil shale power production = Põlevkivienergeetika keskkonnatehnilised aspektid**

**Konist, Alar** 2013 [https://www.ester.ee/record=b2968889\\*est](https://www.ester.ee/record=b2968889*est)

### **Estonian oil shale power plants' ash handling problems**

**Arro, Hendrik; Loosaar, Jüri; Pihu, Tõnu; Prikk, Arvi** Energy and sustainability 2007 / p. 247-255

### **Experience of Estonian oil shale combustion based on CFB technology at Narva Power Plants**

Hotta, A.; Parkkonen, R.; Hiltunen, Matti; **Arro, Hendrik; Loosaar, Jüri; Parve, Teet; Pihu, Tõnu; Prikk, Arvi; Tiikma, Toomas** Oil shale 2005 / 4S, p. 381-397 [https://artiklid.elnet.ee/record=b2352607\\*est](https://artiklid.elnet.ee/record=b2352607*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](#)

### **Extent of carbonate decomposition in CFB boilers firing Estonian oil shale**

**Arro, Hendrik; Pihu, Tõnu; Prikk, Arvi; Rootamm, Rein** 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. 595-599 : ill [https://www.researchgate.net/publication/289667079\\_Extent\\_of\\_carbonate\\_decomposition\\_in\\_CFB\\_boilers\\_firing\\_estonian\\_oil\\_shale](https://www.researchgate.net/publication/289667079_Extent_of_carbonate_decomposition_in_CFB_boilers_firing_estonian_oil_shale)

### **Firing Estonian oil shale fuel in CFB boilers**

**Loosaar, Jüri; Arro, Hendrik; Nešumajev, Dmitri; Plamus, Kristjan; Ots, Arvo; Parve, Teet; Pihu, Tõnu; Prikk, Arvi; Rušeljuk, Pavel** 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. 601-606 : ill

### **Firing Estonian oil shale fuel in circulating fluidized bed boilers [Electronic resource]**

**Plamus, Kristjan; Pihu, Tõnu** The 5th Annual Conference of Young Scientists on Energy Issues : CYSENI 2008 : conference proceedings 2008 / ? p. [CD-ROM]

### **Firing Estonian oil shale fuel with different quality in circulating fluidized bed boiler**

**Plamus, Kristjan; Nešumajev, Dmitri; Ots, Arvo; Parve, Teet; Pihu, Tõnu; Prikk, Arvi; Rootamm, Rein** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 64-65 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

### **Firing Estonian oil shale in CFB boilers**

**Arro, Hendrik; Loosaar, Jüri; Ots, Arvo; Pihu, Tõnu; Prikk, Arvi; Rušeljuk, Pavel; Hiltunen, Matti; Hotta, A.; Parkkonen, R.; Peltola, K.** Proceedings [of] 19th FBC Conference from May 21 - May 24 2006 in Vienna, Austria. Part II 2006 / [10] p. : ill

### **Firing Estonian oil shale in CFB boilers - ash balance and behaviour of carbonate minerals**

**Plamus, Kristjan; Ots, Arvo; Pihu, Tõnu; Nešumajev, Dmitri** Oil shale 2011 / 1, p. 58-67 : ill [https://artiklid.elnet.ee/record=b2284449\\*est](https://artiklid.elnet.ee/record=b2284449*est)

### **Fluidized bed combustion of oil shale retorting solid waste**

**Martins, Ants; Pesur, A.; Kuusik, Rein; keemik; Kaljuvee, Tiit; Trikkel, Andres; Pihu, Tõnu; Prikk, Arvi; Arro, Hendrik** Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 49 [https://www.ester.ee/record=b1703301\\*est](https://www.ester.ee/record=b1703301*est)

### **Fluidized-bed combustion of oil shale retorting solid waste**

**Kuusik, Rein; keemik; Martins, Ants; Pihu, Tõnu; Pesur, A.; Kaljuvee, Tiit; Prikk, Arvi; Trikkel, Andres; Arro, Hendrik** Oil shale 2004 / 3, p. 237-248 : ill [https://artiklid.elnet.ee/record=b1016400\\*est](https://artiklid.elnet.ee/record=b1016400*est)

### **Fouling and corrosion of heat transfer surfaces of FB boilers burning Estonian oil shale**

**Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu** Oil shale 2001 / 3, p. 193-202 [https://artiklid.elnet.ee/record=b1007828\\*est](https://artiklid.elnet.ee/record=b1007828*est)

### **Full-scale tests on the co-firing of peat and oil shale in an oil shale fired circulating fluidized bed boiler**

**Pihu, Tõnu; Konist, Alar; Nešumajev, Dmitri; Loo, Lauri; Molodtsov, Arjom; Valtsev, Aleksandr** Oil shale 2017 / p. 250-262 : ill [http://www.ester.ee/record=b1072685\\*est](http://www.ester.ee/record=b1072685*est) <https://doi.org/10.3176/oil.2017.3.04> [https://artiklid.elnet.ee/record=b2824316\\*est](https://artiklid.elnet.ee/record=b2824316*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Geochemical study of stable carbon and oxygen isotopes in landfilled Ca-rich oil shale ash**

**Leben, Kristjan; Mõtlep, Riho; Paaver, Peeter; Konist, Alar; Pihu, Tõnu; Kirsimäe, Kalle** Estonian journal of earth sciences 2020 / p. 134-142 : ill <https://doi.org/10.3176/earth.2020.09> [https://kirj.ee/public/Estonian\\_Journal\\_of\\_Earth\\_Sciences/2020/issue\\_3/earth-2020-3-121-133.pdf](https://kirj.ee/public/Estonian_Journal_of_Earth_Sciences/2020/issue_3/earth-2020-3-121-133.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hendrik Arro - Enks = Hendrik Arro - Enks**

**Loosaar, Jüri; Pihu, Tõnu; Prikk, Arvi; Rootamm, Rein; Ratnik, Velda; Kuusik, Rein; keemik; Konist, Alar** Hendrik Arro : publikatsioonid = Hendrik Arro : publications 2010 / lk. 19-26

### **Influence of biomass fuel moisture to the operating parameters of small-scale boiler with stoker burner**

**Veski, Ants; Pihu, Tõnu; Ots, Arvo** 10th European Conference and Technology Exhibition Biomass for Energy and Industry : proceedings of the International Conference, Würzburg, Germany, 8-11 June 1998 1998 / p. 1370-1373: ill

### **Influence of oxy-fuel combustion of Ca-rich oil shale fuel on carbonate stability and ash composition**

**Konist, Alar; Valtsev, Aleksandr; Loo, Lauri; Pihu, Tõnu; Liira, Martin; Kirsimäe, Kalle** Fuel 2015 / p. 671-677 : ill

<https://doi.org/10.1016/j.fuel.2014.09.050> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Influence of sulfur dioxide on decomposition of oil shale mineral matter**

**Ots, Arvo; Pihu, Tõnu; Hlebnikov, Aleksandr; Arro, Hendrik** Oil shale 2001 / 4, p. 298-306 : ill

[https://artiklid.elnet.ee/record=b1008449\\*est](https://artiklid.elnet.ee/record=b1008449*est)

### **Influence of sulphur dioxide and hydrogen chloride on properties of oil shale ash**

**Ots, Arvo; Pihu, Tõnu; Arro, Hendrik** Oil shale 2005 / 4S, p. 435-444 : ill [https://artiklid.elnet.ee/record=b2352642\\*est](https://artiklid.elnet.ee/record=b2352642*est)

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

**Maaten, Birgit; Loo, Lauri; Konist, Alar; Pihu, Tõnu; Siirde, Andres** Journal of analytical and applied pyrolysis 2017 / p. 405-411 :

ill <https://doi.org/10.1016/j.jaap.2017.09.007> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Kliimamuutuste leevendamise 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

### **Kohalike kütuste laod**

**Veski, Ants; Pihu, Tõnu** Eesti Turvas 1994 / 2, lk. 12-15: ill

### **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>

### **Long-term mineral transformation of Ca-rich oil shale ash waste**

**Leben, Kristjan; Mõtlep, Riho; Paaver, Peeter; Konist, Alar; Pihu, Tõnu** Science of the total environment 2019 / p. 1404-1415 : ill

<https://doi.org/10.1016/j.scitotenv.2018.12.326> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Low grade fuel - oil shale and biomass co-combustion in CFB boiler**

**Konist, Alar; Pihu, Tõnu; Nešumajev, Dmitri; Külaots, Indrek** Oil shale 2013 / p. 294-304 : ill

[https://artiklid.elnet.ee/record=b2631751\\*est](https://artiklid.elnet.ee/record=b2631751*est) <https://doi.org/10.3176/oil.2013.2S.09> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Manual for biofuel users**

**Vares, Villu; Kask, Ülo; Muiste, Peeter; Pihu, Tõnu; Soosaar, Sulev** 2005 [http://www.ester.ee/record=b2104716\\*est](http://www.ester.ee/record=b2104716*est)

### **Mineral sequestration of CO<sub>2</sub> by carbonation of Ca-rich oil shale ash in natural conditions**

**Konist, Alar; Maaten, Birgit; Loo, Lauri; Nešumajev, Dmitri; Pihu, Tõnu** Oil shale 2016 / p. 248-259 : ill

<https://doi.org/10.3176/oil.2016.3.04> [https://artiklid.elnet.ee/record=b2798381\\*est](https://artiklid.elnet.ee/record=b2798381*est) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **New 215 MWel CFB power units for Estonian oil shale [Electronic resource]**

**Loosaar, Jüri; Arro, Hendrik; Parve, Teet; Pihu, Tõnu; Prikk, Arvi; Tiikma, Toomas; Hiltunen, Matti** Proceedings of the 18th International Conference on Fluidized Bed Combustion : May 22-25, 2005, Toronto, Ontario : ASME No 1723CD 2005 / [12] p. [CD-ROM] <https://asmedigitalcollection.asme.org/FBC/proceedings-abstract/FBC2005/41839/153/310887?redirectedFrom=PDF>

### **Oil shale CFBC ash cementation properties in ash fields**

**Pihu, Tõnu; Arro, Hendrik; Prikk, Arvi; Rootamm, Rein; Konist, Alar** Fuel 2012 / p. 172-180 : ill

<https://www.sciencedirect.com/science/article/pii/S0016236111005242>

### **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://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

### **Phase transformation and strength of hydrated circulating fluidised bed combustion ash sediment in an open environment over 15 years: implications for the long-term stability of ash waste plateaus**

**Konist, Alar; Paaver, Peeter; Pihu, Tõnu; Kirsimäe, Kalle** Oil Shale 2024 / p. 145-162 : ill <https://doi.org/10.3176/oil.2024.3.01>

[https://www.ester.ee/record=b1072685\\*est](https://www.ester.ee/record=b1072685*est)



#### **Properties and environmental impact of oil shale ash landfills**

Pihu, Tõnu; Konist, Alar; Puura, Erik; Liira, Martin; Kirsimäe, Kalle Oil shale 2019 / p. 257–270 : ill

[http://www.kirj.ee/public/oilshale\\_pdf/2019/issue\\_2/OS-2019-2-257-270.pdf](http://www.kirj.ee/public/oilshale_pdf/2019/issue_2/OS-2019-2-257-270.pdf) <https://doi.org/10.3176/oil.2019.2.01> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Põlevkivi utmisest ning saadava õli ja gaasi põletamisest elektrihaamades**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu Keskkonnatehnika 2006 / 4, lk. 28-30 : ill [https://artiklid.elnet.ee/record=b1019242\\*est](https://artiklid.elnet.ee/record=b1019242*est)

#### **Quantification of oil shale industry ash flows – their chemical and mineralogical composition**

Ummik, Mari-Liis; Tamm, Kadriann; Järvik, Oliver; Nešumajev, Dmitri; Roosalu, Kati; Pihu, Tõnu; Konist, Alar Oil shale 2025 / p. 129-166 <https://doi.org/10.3176/oil.2025.2.01>

#### **Reducing CO2 emissions with oil shale circulating fluidized bed boiler ash**

Konist, Alar; Pihu, Tõnu 21st international conference on fluidized bed combustion : Naples (Italy), June 3-6, 2012 : proceedings. Vol. 2 2012 / p. 1117-1122

#### **Reducing of carbon dioxide emissions at oil shale ash deposition**

Pihu, Tõnu; Arro, Hendrik; Konist, Alar; Kuusik, Rein, keemik; Prikk, Arvi; Uibu, Mai International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 49-50  
[http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

#### **Reducing the environmental impact of Baltic power plant ash fields**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 44 [https://www.ester.ee/record=b1703301\\*est](https://www.ester.ee/record=b1703301*est)

#### **Reducing the environmental impact of Baltic Power Plant ash fields**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu Oil shale 2003 / 3, Special, p. 375-382 : ill [https://artiklid.elnet.ee/record=b1013564\\*est](https://artiklid.elnet.ee/record=b1013564*est)

#### **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](https://artiklid.elnet.ee/record=b2479209*est)

#### **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](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](#)

#### **Soojustehnika instituudi teadusprojektid : [ettekanne mehaanikainseneride päeval 27. septembril 2013 TTÜs]**

Pihu, Tõnu Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 205-209 : ill

#### **Sulfur binding by ash in oil shale boilers**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu Oil shale 2001 / p. 123-129 [https://www.ester.ee/record=b1072685\\*est](https://www.ester.ee/record=b1072685*est)  
[https://artiklid.elnet.ee/record=b1007236\\*est](https://artiklid.elnet.ee/record=b1007236*est)

#### **Sulphur and CO2-emission at transferring oil shale boilers to the fluidized bed combustion technology**

Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu XXXVI. Kraftwerkstechnisches Kolloquium : Entwicklungspotentiale für Kraftwerke mit fossilen Brennstoffen : 19. und 20. Oktober 2004 in Dresden. Tagungsband II 2004 / p. P27

#### **The impact of oil shale calorific value on CFB boiler thermal efficiency and environment = Põlevkivi kütteväärtuse mõju keevkihtkatla efektiivsusele ja keskkonnale**

Plamus, Kristjan 2012 [https://www.ester.ee/record=b2862227\\*est](https://www.ester.ee/record=b2862227*est)

#### **The influence of pressure on behaviour of fuel carbonates**

Ots, Arvo; Pihu, Tõnu; Hlebnikov, Aleksandr Impact of Mineral Impurities in Solid Fuel Combustion 1999 / p. 685-696

#### **The influence of pressure on the behaviour of oil shale carbonates**

Ots, Arvo; Pihu, Tõnu; Hlebnikov, Aleksandr Oil shale 1997 / 3, p. 284-298: ill

#### **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](http://www.ester.ee/record=b4751282*est)

#### **The peculiarities by firing oil shale fuel with different heating value nn CFB boilers**

Ots, Arvo; Parve, Teet; Pihu, Tõnu; Plamus, Kristjan; Prikk, Arvi; Nešumajev, Dmitri Научно-техническая конференция "Технологии эффективного и экологически чистого использования угля" : 29-30 октября 2009, Москва, Россия 2009 / с. 139-

**The role of ash forming elements on ash, while burning new types of solid biofuels**

**Parve, Teet; Pihu, Tõnu; Nuutre, Maaris; Loosaar, Jüri** Proceedings 2nd World Conference on Pellets : 30 May - 1 June 2006, Jönköping, Sweden 2006 / p. 59-63

**Thermal effects by firing oil shale fuel in CFB boilers**

**Nešumajev, Dmitri; Ots, Arvo; Parve, Teet; Pihu, Tõnu; Plamus, Kristjan; Prikk, Arvi** Proceedings of the 20th International Conference on Fluidized Bed Combustion. 1 2009 / p. 277-281

**Tükkturba ja puiduhakke mehhaniseeritud punkerladu : kasuliku mudeli kirjeldus, EE 95 00039 U**

**Laid, Jaan; Ots, Arvo; Pihu, Tõnu; Veski, Ants** Eesti Kasuliku Mudeli Leht 1995 / 3, lk. 22: ill

**Tükkturba- ja puiduhakkepõleti : kasuliku mudeli kirjeldus, EE 95 00037 U**

**Laid, Jaan; Ots, Arvo; Pihu, Tõnu; Veski, Ants** Eesti Kasuliku Mudeli Leht 1995 / 3, lk. 20: ill

**Utilization of Estonian oil shale semicoke**

**Trikkel, Andres; Kuusik, Rein, keemik; Martins, Ants; Pihu, Tõnu; Stencel, John M.** Fuel processing technology 2008 / p. 756-763 : ill

**Utilization of oil shale semi-coke - state of art and prospects**

**Kuusik, Rein, keemik; Kana, Aadu; Karp, Kadri; Martins, Ants; Pihu, Tõnu; Tenno, Toomas; Trikkel, Andres** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 43-44  
[http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

**Utilization of pyrolytic wastewater in oil shale fired CFBC boiler**

**Konist, Alar; Järvik, Oliver; Pikkor, Heliis; Nešumajev, Dmitri; Pihu, Tõnu** Journal of cleaner production 2019 / p. 487-493 : ill  
<https://doi.org/10.1016/j.jclepro.2019.06.213> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Utilization of semi-coke of Estonian shale oil industry**

**Arro, Hendrik; Prikk, Arvi; Pihu, Tõnu; Öpik, Ilmar** Oil shale 2002 / 2, p. 117-125 : ill  
[https://www.researchgate.net/publication/222983091\\_Utilization\\_of\\_Estonian\\_oil\\_shale\\_semicoke](https://www.researchgate.net/publication/222983091_Utilization_of_Estonian_oil_shale_semicoke)

**Warranty reliability of CFB boiler burning oil shale**

**Suik, Heinrich; Pihu, Tõnu** Oil shale 2008 / 2, p. 99-107 : ill [https://artiklid.elnet.ee/record=b1456330\\*est](https://artiklid.elnet.ee/record=b1456330*est)

**Wear of the fuel supply system of CFB boilers**

**Suik, Heinrich; Pihu, Tõnu; Molodtsov, Artjom** Oil shale 2008 / 2, p. 209-216 : ill [https://artiklid.elnet.ee/record=b2384376\\*est](https://artiklid.elnet.ee/record=b2384376*est)

**Влияние конструкционных параметров центробежно-отражательной мельницы на гранулометрический состав мельничного продукта**

**Pihu, Tõnu; Ots, Arvo; Rajur, Kaido** Исследование работы парогенераторов электростанций 1985 / с. 21-31

**Возможности аппроксимации экспериментальных данных ситового анализа гранулометрического состава сыпучих материалов с помощью распределений Вейбулла, Розина-Раммлера**

**Ennik, H.; Pihu, Tõnu; Rips, Andrus** Проблемы работы котельных установок тепловых электростанций 1988 / с. 34-40

**Гранулометрический состав продуктов разрушения реакторного графита при ударном измельчении**

**Käär, Harri; Pihu, Tõnu; Taukar, Andres** Исследование работы парогенераторов электростанций 1984 / с. 17-22

**Измельчение горючего сланца в центробежно-отражательной мельнице**

**Pihu, Tõnu; Ots, Arvo** Влияние минеральной части энергетических топлив на условия работы паровых котлов : тезисы докладов IV Всесоюзной конференции. Том II, секция 1, Превращение минеральной части топлива в факеле и механизм загрязнения поверхностей нагрева 1986 / с. 131-132 [https://www.ester.ee/record=b1217219\\*est](https://www.ester.ee/record=b1217219*est)

**Исследование влияния некоторых параметров на измельчение горючего сланца в центробежно-отражательной мельнице**

**Seleznev, V.; Pihu, Tõnu** XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 72 : илл [https://www.ester.ee/record=b1305565\\*est](https://www.ester.ee/record=b1305565*est)

**Кинетика размола топлива при ударно-отражательном измельчении**

**Rajur, Kaido; Pihu, Tõnu; Õispuu, Leo** Проблемы работы котельных установок тепловых электростанций 1983 / с. 15-25 : ил  
[https://www.ester.ee/record=b1286798\\*est](https://www.ester.ee/record=b1286798*est) <https://digikogu.taltech.ee/et/Item/0d56b840-b3dc-4df9-823e-4c96cd509e77>

**О математическом описании гранулометрического состава мельничного продукта при грубом измельчении горючего сланца в центробежно-отражательной мельнице**

**Pihu, Tõnu; Rips, Andrus** Проблемы работы котельных установок тепловых электростанций 1988 / с. 26-33

**Особенности сжигания прибалтийских горючих сланцев в котлах с ЦКС**

**Nešumajev, Dmitri; Ots, Arvo; Parve, Teet; Pihu, Tõnu; Plamus, Kristjan; Prikk, Arvi** Электрические станции 2010 / 8, с. 23-26

: ил

**Применение котлов с ЦКС для сжигания сланцев в Эстонской Республике**

**Paist, Aadu; Arro, Hendrik; Loosaar, Jüri; Pihu, Tõnu; Prikk, Arvi; Parve, Teet; Bojarinova, Tatjana** Электрические станции 2006 / 2, с. 8-11

**Справочник потребителя биотоплива**

**Vares, Villu; Kask, Ülo; Muiste, Peeter; Pihu, Tõnu; Soosaar, Sulev** 2005 [http://www.ester.ee/record=b2106252\\*est](http://www.ester.ee/record=b2106252*est)

**Теплоэнергетика**

**Ratnik, Velda; Jegorov, Dmitri; Loosaar, Jüri; Käär, Harri; Pihu, Tõnu; Taukar, Andres; Kruus, Rein; Ots, Arvo; Soodla, Uve; Touart, Raivo; Pella, Villu; Poobus, Arvi; Tiikma, Toomas; Mikk, Ilmar; Viilmann, Illar** 1984

[https://www.ester.ee/record=b1527381\\*est](https://www.ester.ee/record=b1527381*est)

**Теплоэнергетика**

**Ratnik, Velda; Aruküla, Heino; Õispuu, Leo; Pihu, Tõnu; Ots, Arvo; Rajur, Kaido; Loosaar, Jüri; Jegorov, Dmitri; Taukar, Andres; Kuusk, Mart-Juhan; Prikk, Arvi; Touart, Raivo; Suurkuusk, Tõnu; Viilmann, Illar; Kruus, Rein; Käär, Harri; Sarandi, Jüri; Tali, Marika; Hunt, A.; Anson, Genrih** 1985 [https://www.ester.ee/record=b1527391\\*est](https://www.ester.ee/record=b1527391*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](https://www.ester.ee/record=b1288163*est)

**Ударное измельчение горючих сланцев эстонского месторождения : автореферат ... кандидата технических наук (05.04.01)**

**Pihu, Tõnu** 1990 [http://www.ester.ee/record=b1226866\\*est](http://www.ester.ee/record=b1226866*est)

**Ударное измельчение горючих сланцев эстонского месторождения : диссертация ... кандидата технических наук : 05.04.01 - котлы, парогенераторы и камеры сгорания**

**Pihu, Tõnu** 1990 [http://www.ester.ee/record=b2488617\\*est](http://www.ester.ee/record=b2488617*est)