

#### About technical terms of oil shale and shale oil

Reinsalu, Enno; Aarna, Indrek Oil shale 2015 / p. 291-292 [https://artiklid.elnet.ee/record=b2750696\\*est](https://artiklid.elnet.ee/record=b2750696*est)  
<https://doi.org/10.3176/oil.2015.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### 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](#)

#### AC magnetic loss reduction of SLM processed Fe-Si for additive manufacturing of electrical machines

Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Tarraste, Marek; Vaimann, Toomas; Rassõlkin, Anton; Asad, Bilal; Ghahfarokhi, Payam Shams Energies 2021 / 13 p. : ill <https://doi.org/10.3390/en14051241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Accessible battery model with aging dependency

Savard, Christophe; Iakovleva, Emiliia; Ivanchenko, Daniil; Rassõlkin, Anton Energies 2021 / art. 3493, 16 p  
<https://doi.org/10.3390/en14123493> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Acoustic noise computation of electrical motors using the boundary element method

Sathyan, Sabin; Aydin, Ugur; Belahcen, Anouar Energies 2020 / art. 0245 <https://doi.org/10.3390/en13010245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Activation of oil shale ashes for sulfur capture

Trass, Olev; Kuusik, Rein, keemik; Kaljuvee, Tiit Oil shale 2018 / p. 375-385 : ill <https://doi.org/10.3176/oil.2018.4.07>  
[http://www.kirj.ee/public/oilshale\\_pdf/2018/issue\\_4/OS-2018-4-375-385.pdf](http://www.kirj.ee/public/oilshale_pdf/2018/issue_4/OS-2018-4-375-385.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Additive Manufacturing and Performance of E-Type Transformer Core

Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Rassõlkin, Anton; Vaimann, Toomas; Ghahfarokhi, Payam Shams Energies 2021 / art. 3278 <https://doi.org/10.3390/en14113278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Additive manufacturing of electrical machines - towards the industrial use of a novel technology

Vaimann, Toomas; Kallaste, Ants Energies 2023 / art. 544 <https://doi.org/10.3390/en16010544> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Advances in climatic form finding in architecture and urban design

De Luca, Francesco Energies 2023 / art. 3935 <https://doi.org/10.3390/en16093935> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Ag nanoparticles on mesoporous carbon support as cathode catalyst for anion exchange membrane fuel cell

Linge, Jonas Mart; Erikson, Heiki; Mooste, Marek; Piirsoo, Helle-Mai; Kaljuvee, Tiit; Kikas, Arvo; Aruväli, Jaan; Kisand, Vambola; Tamm, Aile; Kannan, Arunachala Mada; Tammeveski, Kaido International Journal of Hydrogen Energy 2023 / p. 11058-11070  
<https://doi.org/10.1016/j.ijhydene.2022.12.138> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Aggregate production from burnt oil shale and CO<sub>2</sub> - an Estonian perspective

Berber, Hakan; Tamm, Kadriann; Leinus, Mari-Liis; Kuusik, Rein, keemik; Uibu, Mai Oil Shale 2019 / p. 431-447 : ill  
<https://doi.org/10.3176/oil.2019.3.05> [http://www.kirj.ee/32493/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32493/?tpl=1061&c_tpl=1064) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Air distribution and air handling unit configuration effects on energy performance in an air-heated ice rink arena

Taebnia, Mehdi; Toomla, Sander; Leppä, Lauri; Kurnitski, Jarek Energies 2019 / art. 693, 21 p. : ill <https://doi.org/10.3390/en12040693> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Aliphatic dicarboxylic acids from oil shale organic matter - historic review

Veski, Rein; Veski, Siim Oil shale 2019 / p. 76-95 : phot <https://doi.org/10.3176/oil.2019.1.06>  
[http://www.kirj.ee/public/oilshale\\_pdf/2019/issue\\_1/OS-2019-1-76-95.pdf](http://www.kirj.ee/public/oilshale_pdf/2019/issue_1/OS-2019-1-76-95.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Ammonia production as alternative energy for the Baltic Sea Region

Prause, Gunnar Klaus; Olaniyi, Eunice Omolola; Gerstlberger, Wolfgang Dieter Energies 2023 / art. 1831  
<https://doi.org/10.3390/en16041831> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Analysis of fault-tolerant operation capabilities of an isolated bidirectional current-source DC–DC converter

Blinov, Andrei; Kosenko, Roman; Chub, Andrii; Ivakhno, Volodymyr Energies 2019 / art. 3203, p. 14 : ill  
<https://doi.org/10.3390/en12163203> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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://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 traditional and alternative methods for solving voltage problems in low voltage grids : an Estonian case study**

**Rosin, Argo;** Drovtar, Imre; Mölder, Heigo; Haabel, Kaija; Astapov, Victor; Vinnal, Toomas; Korõtko, Tarmo Energies 2022 / art. 1104 <https://doi.org/10.3390/en15031104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analytical approach for maximizing self-consumption of nearly zero energy buildings- case study : Baltic region**

**Ahmadihangar, Roya;** Karami, Hossein; Husev, Oleksandr; Blinov, Andrei; Rosin, Argo; Jonaitis, Audrius; Sanjari, Mohammad Javad Energy 2022 / art. 121744, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.121744> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Application of differential scanning calorimetry to study solvent swelling of kukersite oil shale macromolecular organic matter : a comparison with the fine-grained sample volumetric swelling method**

**Hruljova, Jelena;** Järvik, Oliver; Oja, Vahur Energy & fuels 2014 / p. 840-847 : ill <https://doi.org/10.1021/ef401895u> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Application of DSC to study the promoting effect of a small amount of high donor number solvent on the solvent swelling of kerogen with non-covalent cross-links in non-polar solvents**

**Hruljova, Jelena;** Oja, Vahur Fuel 2015 / p. 230-235 : ill <https://doi.org/10.1016/j.fuel.2015.01.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Applications of game theory to design and operation of modern power systems: a comprehensive review**

Navon, Aviad; Yosef, Gefen Ben; Machlev, Ram; Shapira, Shmuel; Chowdhury, Nilanjan Roy; **Belikov, Juri;** Orda, Ariel; Levron, Yoash Energies 2020 / art. 3982, 34 p <https://doi.org/10.3390/en13153982> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](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](#)

**Aqueous mineral carbonation of oil shale mine waste (limestone) : a feasibility study to develop a CO2 capture sorbent**

**Puthiya Veetil, Sanoop Kumar;** Rebane, Kaarel; Yörük, Can Rüstü; Lopp, Margus; Trikkell, Andres; Hitch, Michael William Energy 2021 / art. 119895 <https://doi.org/10.1016/j.energy.2021.119895> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Ash characterisation formed under different oxy-fuel circulating fluidized bed conditions**

**Baqain, Mais Hanna Suleiman;** Yörük, Can Rüstü; Nešumajev, Dmitri; Järvik, Oliver; Konist, Alar Fuel 2023 / art. 127244 <https://doi.org/10.1016/j.fuel.2022.127244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ash melting behaviour of reed and woody fuels blends**

**Link, Siim;** Yrjäs, Patrik; Lindberg, Daniel; Trikkell, Andres; Mikli, Valdek Fuel 2022 / art. 123051

<https://doi.org/10.1016/j.fuel.2021.123051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Aspects of kerogen oxidative dissolution in subcritical water using oxygen from air**

**Kaldas, Kristiina;** Niidu, Allan; Pregel, Gert; Uustalu, Jaan Mihkel; Muldma, Kati; Lopp, Margus Oil shale 2021 / p. 199-214 : ill <https://doi.org/10.3176/oil.2021.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of power system asset dispatch under different local energy community business models**

**Korõtko, Tarmo;** Plaum, Freddy; Häring, Tobias; Mutule, Anna; Lazdins, Roberts; Boršcevisks, Olegs; Rosin, Argo; Carroll, Paula Energies 2023 / art. 3476 <https://doi.org/10.3390/en16083476> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of the economic regulation of network industries : oil shale value chain in Estonia**

**Uukkivi, Raigo;** Koppel, Ott Oil shale 2020 / p. 158-176 : ill <https://doi.org/10.3176/oil.2020.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**ASTM D86 distillation in the context of average boiling points as thermodynamic property of narrow boiling range oil**

## **fractions**

**Rannaveski, Rivo; Listak, Madis; Oja, Vahur** Oil shale 2018 / p. 254-264 : ill <https://doi.org/10.3176/oil.2018.3.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Astafev, Alexander; Shantenkov, Ivan; Ibraeva, Kanipa; Tabakaev, Roman; **Preis, Sergei** Energies 2022 / art. 7118 <https://doi.org/10.3390/en15197118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Batch and fed-batch ethanol fermentation of cheese-whey powder with mixed cultures of different yeasts**

Farkas, Csilla; Rezessy-Szabo, Judit M.; **Gupta, Vijai Kumar**; Bujna, Erika; Pham, Tuan M.; Pásztor-Huszár, K.; Friedrich, László; Bhat, Rajeev; Thakur, Vijay Kumar; Nguyen, Quang D. Energies 2019 / Art. 4495 <https://doi.org/10.3390/en12234495> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Battery storage technologies for electrical applications : impact in stand-alone photovoltaic systems**

Akinyele, Daniel; **Belikov, Juri**; Levron, Yoash Energies 2017 / art. 1760, 39 p. : ill <https://doi.org/10.3390/en10111760> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **The bearing faults detection methods for electrical machines — the state of the art**

Khan, Muhammad Amir; **Asad, Bilal; Kudelina, Karolina; Vaimann, Toomas; Kallaste, Ants** Energies 2023 / art. 296 <https://doi.org/10.3390/en16010296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Bidirectional twisted single-stage single-phase buck-boost DC-AC converter**

**Husev, Oleksandr; Matiushkin, Oleksandr**; Roncero-Clemente, Carlos; **Vinnikov, Dmitri**; Chopyk, Vasiliy Energies 2019 / art. 3505, 14 p. : ill <https://doi.org/10.3390/en12183505> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Calculation analysis of shale oil and power cogeneration**

**Lausmaa, Toomas; Ots, Arvo; Poobus, Arvi; Dedov, Andrei** Oil shale 2019 / p. 19-31 : ill <https://doi.org/10.3176/oil.2019.1.02> [http://www.kirj.ee/public/oilshale\\_pdf/2019/issue\\_1/OS-2019-1-19-31.pdf](http://www.kirj.ee/public/oilshale_pdf/2019/issue_1/OS-2019-1-19-31.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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 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](#)

## **Catalytic effect of oil shale ash on CO<sub>2</sub> gasification of leached wheat straw and reed chars**

**Link, Siim**; Tran, Khanh-Quang; Bach, Quang-Vu; Yrjas, Patrik; **Rosin, Argo** Energy 2018 / p. 906-913 <https://doi.org/10.1016/j.energy.2018.04.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Challenges of microgrids in remote communities: a STEEP model application**

Akinyele, Daniel; **Belikov, Juri**; Levron, Yoash Energies 2018 / art. 432, 35 p. : ill <https://doi.org/10.3390/en11020432> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metric at WOS](#) [Article at WOS](#)

## **Changes in trace element contents in ashes of oil shale fueled PF and CFB boilers during operation**

Reinik, Janek; Irha, Natalya; Steinnes, Eiliv; Urb, Gary; Jefimova, Jekaterina; Piirisalu, Eero; **Loosaar, Jüri** Fuel Processing Technology 2013 / p. 174 - 181 <https://doi.org/10.1016/j.fuproc.2013.06.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Characterization of oil shale kerogen semi-coke and its application to remove chemical pollutants from aqueous solutions**

**Lees, Heidi; Jõul, Piia; Pikkor, Heliis; Järvik, Oliver; Mets, Birgit; Konist, Alar** Oil shale 2023 / p. 115-132 : ill <https://doi.org/10.3176/oil.2023.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Characterization of the ensemble of lignin-remodeling DyP-type Peroxidases from Streptomyces coelicolor A3(2)**

**Pupart, Hegne; Jõul, Piia; Bramanis, Melissa Ingela; Lukk, Tiit** Energies 2023 / art. 1557, 15 p. : ill <https://doi.org/10.3390/en16031557> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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](http://kirj.ee/public/oilshale_pdf/2018/issue_4/OS-2018-4-365-374.pdf) <https://doi.org/10.3176/oil.2018.4.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Chemical composition of the mineral matter of the Attarat Um Ghudran oil shale, Central Jordan**

Puura, Väino; **Soesoo, Alvar; Voolma, Margus; Hade, Sigrid**; Aosaar, Hardi Oil shale 2016 / p. 18-30 : ill

[https://artiklid.elnet.ee/record=b2760695\\*est](https://artiklid.elnet.ee/record=b2760695*est) <https://doi.org/10.3176/oil.2016.1.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cities4ZERO approach to foresight for fostering smart energy transition on municipal level**

Tatar, Merit; **Kalvet, Tarmo; Tiits, Marek** Energies 2020 / art. 3533 <https://doi.org/10.3390/en13143533> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cleaning of floating photovoltaic systems : a critical review on approaches from technical and economic perspectives**

Zahedi, Rafi; Ranjbaran, Parisa; Gharehpetian, Gevork B.; Mohammadi, Fazel; **Ahmadihangar, Roya** Energies 2021 / art. 2018, 25 p. : ill <https://doi.org/10.3390/en14072018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Closed-loop control system design for wireless charging of low-voltage EV batteries with time-delay constraints**

Shevchenko, Viktor; Pakhaliuk, Bohdan; Zakis, Janis; Veligorskyi, Oleksandr; Luszcz, Jaroslaw; **Husev, Oleksandr**; Lytvin, Oksana; **Matiushkin, Oleksandr** Energies 2021 / art. 3934, 21 p. : ill <https://doi.org/10.3390/en14133934> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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-hydrothermal liquefaction of lignocellulosic biomass with kukersite oil shale**

Akalin, Ece; Kim, Young-Min; Alper, Koray; **Oja, Vahur** Energy & fuels 2019 / p. 7424-7435 : ill

<https://doi.org/10.1021/acs.energyfuels.9b01473> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

### **Combined processes for wastewater purification : treatment of a typical landfill leachate with a combination of chemical and biological oxidation processes**

**Klauson, Deniss**; Kivi, Arthur; **Kattel, Eneliis**; Klein, Kati; **Viisimaa, Marika; Bolobajev, Juri**; Velling, Siiri; **Goi, Anna**; Tenno, Taavo; **Trapido, Marina** Journal of chemical technology and biotechnology 2015 / p. 1527-1536 : ill <https://doi.org/10.1002/jctb.4484> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Combined treatment of pyrogenic wastewater from oil shale retorting**

Klein, Kati; **Kattel, Eneliis; Goi, Anna**; Kivi, Arthur; **Dulova, Niina**; Saluste, Alar; Zekker, Ivar; **Trapido, Marina**; Tenno, Taavo Oil shale 2017 / p. 82-96 : ill <https://doi.org/10.3176/oil.2017.1.06> [https://artiklid.elnet.ee/record=b2816468\\*est](https://artiklid.elnet.ee/record=b2816468*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparative assessment of heat recovery from treated wastewater in the district heating systems of the three capitals of the Baltic countries**

**Ziemele, Jelena; Volkova, Anna; Latšov, Eduard**; Murauskaite, Lina; Džiuvė, Vytautas Energy 2023 / art. 128132 <https://doi.org/10.1016/j.energy.2023.128132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparative evaluation of common-ground converters for dual-purpose application**

**Hemmati Shahsavari, Tala; Rahimpour, Saeed; Vosoughi Kurdkandi, Naser**; Fesenko, Artem; **Matiushkin, Oleksandr; Husev, Oleksandr; Vinnikov, Dmitri** Energies 2023 / art. 2977 <https://doi.org/10.3390/en16072977> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparative simulation study of pump system efficiency driven by induction and synchronous reluctance motors**

Gevorkov, Levon; Dominguez-Garcia, Jose Luis; **Rassõlkin, Anton; Vaimann, Toomas** Energies 2022 / art. 4068 <https://doi.org/10.3390/en15114068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of district heating supply options for different CHP configurations**

**Rušeljuk, Pavel; Dedov, Andrei; Hlebnikov, Aleksandr; Lepiksaar, Kertu; Volkova, Anna** Energies 2023 / art. 603, 14 p. : ill <https://doi.org/10.3390/en16020603> [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](#)



### **Composition and properties of oil shale ash concrete**

**Raado, Lembi-Merike; Hain, Tiina; Liisma, Eneli; Kuusik, Rein, keemik** Oil shale 2014 / p. 147-160 : ill

[https://artiklid.elnet.ee/record=b2673716\\*est](https://artiklid.elnet.ee/record=b2673716*est) <https://doi.org/10.3176/oil.2014.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Composition of gas from pyrolysis of Estonian oil shale with various sweep gases**

**Mozaffari, Sepehr; Järvi, Oliver; Baird, Zachariah Steven** Oil shale 2021 / p. 215-227 : ill <https://doi.org/10.3176/oil.2021.3.03>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The composition of kukersite shale oil**

**Baird, Zachariah Steven; Oja, Vahur; Järvi, Oliver** Oil shale 2023 / p. 25-43 : ill <https://doi.org/10.3176/oil.2023.1.02>

[https://artiklid.elnet.ee/record=b2903562\\*est](https://artiklid.elnet.ee/record=b2903562*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Considerations on combining unfolding inverters with partial power regulators in battery–grid interface converters**

**Galkin, Ilya A.; Saltanovs, Rodions; Bubovich, Alexander; Blinov, Andrei; Pefitsis, Dimosthenis** Energies 2024 / art. 893

<https://doi.org/10.3390/en17040893> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Converting Tallinn's historic centre's (Old Town) heating system to a district heating system**

**Volkova, Anna; Krupenski, Igor; Kovtunova, Natalja; Hlebnikov, Aleksandr; Mašatin, Vladislav; Ledvanov, Aleksandr** Energy

2023 / art. 127429 <https://doi.org/10.1016/j.energy.2023.127429> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

### **Cooling thermal comfort and efficiency parameters of ceiling panels, underfloor cooling, fan-assisted radiators, and fan coil**

**Võsa, Karl-Villem; Ferrantelli, Andrea; Kurnitski, Jarek** Energies 2022 / art. 4156 <https://doi.org/10.3390/en15114156> [Journal](#)

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Co-pyrolysis of woody biomass and oil shale — a kinetics and modelling study**

**Lyons Ceron, Alejandro; Ochieng, Richard; Sarker, Shiplu; Järvi, Oliver; Konist, Alar** Energies 2024 / art. 1055

<https://doi.org/10.3390/en17051055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Co-Pyrolysis of Woody Biomass and Oil Shale in a Batch Reactor in CO<sub>2</sub>, CO<sub>2</sub>-H<sub>2</sub>O, and Ar Atmospheres**

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

[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cost and energy reduction of a New nZEB wooden building**

**Arumägi, Endrik; Kalamees, Targo** Energies 2020 / art. 3570, 16 p. : ill <https://doi.org/10.3390/en13143570> [Journal metrics at Scopus](#)

[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cost-benefit analysis of nZEB energy efficiency strategies with on-site photovoltaic generation**

**Pikas, Ergo; Kurnitski, Jarek; Thalfeldt, Martin; Koskela, Lauri** Energy 2017 / p. 291-301 : ill

<https://doi.org/10.1016/j.energy.2017.03.158> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Coupling of the electricity and district heat generation sectors with building stock energy retrofits as a measure to reduce carbon emissions**

**Jokinen, Ilkka; Lund, Andreas; Hirvonen, Janne; Jokisalo, Juha; Kosonen, Risto; Lehtonen, Matti** Energy conversion and

management 2022 / art. 115961, 17 p. : ill <https://doi.org/10.1016/j.enconman.2022.115961> [Journal metrics at Scopus](#) [Article at Scopus](#)

[Journal metrics at WOS](#) [Article at WOS](#)

### **Current challenges in operation, performance, and maintenance of photovoltaic panels**

**Orosz, Tamas; Rassõlkin, Anton; Arsenio, Pedro; Poor, Peter; Valme, Daniil; Sleisz, Adam** Energies 2024 / art. 1306

<https://doi.org/10.3390/en17061306> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Current harmonic aggregation cases for contemporary loads**

**Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman** Energies 2022 / art. 437

<https://doi.org/10.3390/en15020437> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Current status of co-pyrolysis of oil shale and biomass**

**Lyons Ceron, Alejandro; Konist, Alar; Lees, Heidi; Järvi, Oliver** Oil shale 2021 / p. 228-263 : tab

<https://doi.org/10.3176/oil.2021.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Data-driven occupancy profile identification and application to the ventilation schedule in a school building**

**Vassiljeva, Kristina; Matson, Margarita; Ferrantelli, Andrea; Petlenkov, Eduard; Thalfeldt, Martin; Belikov, Juri** Energies

2024 / art. 3080 <https://doi.org/10.3390/en17133080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at](#)

[WOS](#)

## **Day-ahead market modelling of large-scale highly-renewable multi-energy systems : analysis of the North Sea region towards 2050**

Gea-Bermudez, Juan; Das, Kaushik; **Koduvere, Hardi**; Koivisto, Matti J. *Energies* 2021 / art. 88, 17 p. : ill  
<https://doi.org/10.3390/en14010088> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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](#)

## **Delightful daylighting : a framework for describing the experience of daylighting in Nordic homes and 'coupling it with quantitative assessments**

**Viikberg, Hanna**; Sepulveda Luque, Abel; De Luca, Francesco *Energies* 2022 / art. 1815 <https://doi.org/10.3390/en15051815>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Design and analysis of a DC solid-state circuit breaker for residential energy router application**

**Rahimpour, Saeed**; Husev, Oleksandr; Vinnikov, Dmitri *Energies* 2022 / art. 9434 <https://doi.org/10.3390/en15249434> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Design and experimental validation of a single-stage PV string inverter with optimal number of interleaved buck-boost cells**

Fesenko, Artem; **Matiushkin, Oleksandr**; Husev, Oleksandr; Vinnikov, Dmitri; Strzelecki, Ryszard; Kołodziejek, Piotr *Energies* 2021 / art. 2448, p., 17 p. : ill <https://doi.org/10.3390/en14092448> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Design and simulations of dual clutch transmission for hybrid electric vehicles**

**Vu, Trieu Minh**; Abouelkheir, Moustafa *International journal of electric and hybrid vehicles* 2017 / p. 302-321 : ill  
<https://doi.org/10.1504/IJEHV.2017.089873> [Journal metrics at Scopus](#) [Article at Scopus](#)

## **Desulfurization, denitrogenation and deoxygenation of shale oil**

**Baird, Zachariah Steven**; Rang, Heino; Oja, Vahur *Oil shale* 2021 / p. 137-154 : ill <https://doi.org/10.3176/oil.2021.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **A detailed testing procedure of numerical differential protection relay for EHV auto transformer**

Ehsan, Umer; Jawad, Muhammad; Javed, Umar; Zaidi, Khurram Shabih; Rehman, Ateeq Ur; **Rassõlkin, Anton**; Althobaiti, Maha M.; Hamam, Habib; **Shafiq, Muhammad** *Energies* 2021 / art. 8447 <https://doi.org/10.3390/en14248447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Determination of the calorific value and moisture content of crushed oil shale by LIBS**

Aints, Märt; Paris, Peeter; **Tufail, Iram**; Jõgi, Indrek; Aosaar, Hardi; **Riisalu, Hella**; **Laan, Matti** *Oil shale* 2018 / p. 339-355 : ill  
<https://doi.org/10.3176/oil.2018.4.04> [http://www.kirj.ee/public/oilshale\\_pdf/2018/issue\\_4/OS-2018-4-339-355.pdf](http://www.kirj.ee/public/oilshale_pdf/2018/issue_4/OS-2018-4-339-355.pdf)  
[https://artiklid.elnet.ee/record=b2868183\\*est](https://artiklid.elnet.ee/record=b2868183*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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](#)

## **Determining the optimal directions of investment in regional renewable energy development**

Sotnyk, Iryna; Kurbatova, Tetiana; Romaniuk, Yaroslavna; Prokopenko, Olha; Gonchar, Viktoriya; **Prause, Gunnar Klaus**; Sapiński, Aleksander *Energies* 2022 / art. 3646 <https://doi.org/10.3390/en15103646> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Development and performance assessment of prefabricated insulation elements for deep energy renovation of apartment buildings**

**Pihelo, Peep**; **Kuusk, Kalle**; **Kalamees, Targo** *Energies* 2020 / art. 1709, 20 p. : ill <https://doi.org/10.3390/en13071709> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Development of a reduced order model of solar heat gains prediction**

**Tamm, Meril**; Cid, Jordi Macia; Paramio, Roser Capdevila; Baulenas, Joan Farnos; **Thalfeldt, Martin**; **Kurnitski, Jarek** *Energies* 2020 / art. 6316, 17 p. : ill <https://doi.org/10.3390/en13236316> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Digital Twin as a virtual sensor for wind turbine applications**

**Mohamed, Mahmoud Ibrahim Hassanin**; **Rassõlkin, Anton**; **Vaimann, Toomas**; **Kallaste, Ants**; Zakis, Janis; Hyunh, Van Khang; Pomarnacki, Raimondas *Energies* 2023 / art. 6246 <https://doi.org/10.3390/en16176246> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Direct aqueous carbonation on olivine at a CO<sub>2</sub> partial pressure of 6.5 MPa**

Li, Jiajie; Jacobs, Anthony D.; **Hitch, Michael William** Energy 2019 / p. 902-910 : ill <https://doi.org/10.1016/j.energy.2019.02.125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dopant-free fluorene based dimers linked with thiophene units as prospective hole transport materials for Sb<sub>2</sub>S<sub>3</sub> solar cells**

**Juneja, Nimish**; Jegorove, Aiste; Grzibovskis, Raitis; **Katerski, Atanas**; Malinauskas, Tadas; Vembris, Aivars; Karazhanov, Smagul; **Spalatu, Nicolae**; Getautis, Vytautas; **Krunks, Malle**; **Oja Acik, Ilona** Sustainable Energy & Fuels 2024 / p. 4324-4334 <https://doi.org/10.1039/D4SE00472H> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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 sustainability of Estonian shale oil industry until 2030**

**Kallemets, Kalev** Oil shale 2016 / p. 272-289 : ill <https://doi.org/10.3176/oil.2016.3.06> [https://artiklid.elnet.ee/record=b2798383\\*est](https://artiklid.elnet.ee/record=b2798383*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of a shale oil-based additive on the properties of biodiesel fuel**

**Vallbaum, Erko**; **Muoni, Rein**; **Soone, Jüri** Solid fuel chemistry 2018 / p. 44 - 52 <https://doi.org/10.3103/S0361521918010093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of innovation in unconventional oil industry : case of Estonia and Canada**

**Kallemets, Kalev**; Tänav, Tõnis Oil shale 2017 / p. 279-294 : ill <https://doi.org/10.3176/oil.2017.3.06> [http://www.estar.ee/record=b1072685\\*est](http://www.estar.ee/record=b1072685*est) [https://artiklid.elnet.ee/record=b2824320\\*est](https://artiklid.elnet.ee/record=b2824320*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effect of N<sub>2</sub> and CO<sub>2</sub> on shale oil from pyrolysis of Estonian oil shale**

**Mozaffari, Sepehr**; **Järvik, Oliver**; **Baird, Zachariah Steven** International journal of coal preparation and utilization 2022 / p. 2908-2922 <https://doi.org/10.1080/19392699.2021.1914025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effects of coupling combined heat and power production with district cooling**

**Lepiksaar, Kertu**; **Mašatin, Vladislav**; **Krupenski, Igor**; **Volkova, Anna** Energies 2023 / art. 4552 <https://doi.org/10.3390/en16124552> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Effects of the COVID-19 pandemic on energy systems and electric power grids — a review of the challenges ahead**

Navon, Aviad; Machlev, Ram; Carmon, David; **Onile, Abiodun Emmanuel**; **Belikov, Juri**; Levron, Yoash Energies 2021 / art. 1056, 14 p. : ill <https://doi.org/10.3390/en14041056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An efficient non-inverting buck-boost converter with improved step up/down ability**

**Abdelrahim Abdelghafour, Omar Mohamed**; **Chub, Andrii**; **Blinov, Andrei**; **Vinnikov, Dmitri**; Pefitsis, Dimosthenis Energies 2022 / art. 4550 <https://doi.org/10.3390/en15134550> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Electric vehicles charging infrastructure demand and deployment : challenges and solutions**

**Singh, Praveen Prakash**; **Wen, Fushuan**; **Palu, Ivo**; Sachan, Sulabh; Deb, Sanchari Energies 2023 / art. 7 <https://doi.org/10.3390/en16010007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An embedded half-bridge Γ-Z-source inverter with reduced voltage stress on capacitors**

**Mashinchī Maheri, Hamed**; **Vinnikov, Dmitri**; Nozadian, Mohsen Hasan Babayi; Shokati Asl, Elias; Babaei, Ebrahim; **Chub, Andrii** Energies 2021 / art. 6433, 21 p. : ill <https://doi.org/10.3390/en14196433> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The emissions of NO<sub>x</sub>, SO<sub>2</sub>, CO and decomposition of carbonates during oxyfuel combustion of low heating value semicoke in CFB pilot facility**

**Nešumajev, Dmitri**; **Baqain, Mais Hanna Suleiman**; **Konist, Alar** Fuel 2024 / art. 132563, 10 p. : ill <https://doi.org/10.1016/j.fuel.2024.132563> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy cascade connection of a low-temperature district heating network to the return line of a high-temperature district heating network**

**Volkova, Anna**; **Krupenski, Igor**; Ledvanov, Aleksandr; Hlebnikov, Aleksandr; **Lepiksaar, Kertu**; **Latõšov, Eduard**; **Mašatin, Vladislav** Energy 2020 / art. 117304, 15 p. : ill <https://doi.org/10.1016/j.energy.2020.117304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy governance as a commons : engineering alternative socio-technical configurations**

**Giotitsas, Christos**; Nardelli, Pedro H.J.; Williamson, Sam; Roos, Andreas; Pournaras, Evangelos; **Kostakis, Vasileios** Energy research & social science 2022 / art. 102354, 6 p. : ill <https://doi.org/10.1016/j.erss.2021.102354> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy performance certificate classes rating methods tested with data : how does the application of minimum energy performance standards to worst-performing buildings affect renovation rates, costs, emissions, energy consumption?**  
**Ferrantelli, Andrea**; Kurnitski, Jarek Energies 2022 / art. 7552 <https://doi.org/10.3390/en15207552> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metric at WOS](#) [Article at WOS](#)

### **Energy pile field simulation in large buildings: validation of surface boundary assumptions**

**Ferrantelli, Andrea**; Fadejev, Jevgeni; Kurnitski, Jarek Energies 2019 / art. 770, 20 p. : ill <https://doi.org/10.3390/en12050770> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy storage for 1500 V photovoltaic systems : A comparative reliability analysis of DC-and AC-Coupling**

He, Jinkui; Yang, Yongheng; **Vinnikov, Dmitri** Energies 2020 / art. 3355, 16 p. : ill <https://doi.org/10.3390/en13133355> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy, cost and emission saving potential of demand response and peak power limiting in the German district heating system**

Suhonen, Janne; Lindholm, Joakim; Verbeck, Moritz; **Ju, Yuchen**; **Jokisalo, Juha**; **Kosonen, Risto**; Janßen, Philipp; Schäfers, Hans International journal of sustainable energy 2023 / p. 1092-1127 : ill <https://doi.org/10.1080/14786451.2023.2251601> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Enzymatic conversion of hydrolysis lignin - a potential biorefinery approach**

Khan, Sharib; Puss, Kait Kaarel; **Lukk, Tiit**; Loog, Mart; Kikas, Timo; Salmar, Siim Energies 2023 / art. 370, 13 p. : ill <https://doi.org/10.3390/en16010370> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estonian graptolite argillites revisited : a future resource?**

**Hade, Sigrid**; **Soesoo, Alvar** Oil shale 2014 / p. 4-18 : ill [https://artiklid.elnet.ee/record=b2664044\\*est](https://artiklid.elnet.ee/record=b2664044*est) <https://doi.org/10.3176/oil.2014.1.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluating outdoor thermal comfort using a mixed-method to improve the environmental quality of a university campus**  
**Eslamirad, Nasim**; **Sepulveda Luque, Abel**; **De Luca, Francesco**; **Lylykangas, Kimmo Sakari** Energies 2022 / art. 1577, 26 p. : ill <https://doi.org/10.3390/en15041577> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Examination of molecular weight distributions of primary pyrolysis oils from three different oil shales via direct pyrolysis Field Ionization Spectrometry**

**Oja, Vahur** Fuel 2015 / p. 759-765 : ill <https://doi.org/10.1016/j.fuel.2015.07.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental 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 comparison of two-level full-SiC and three-level Si-SiC quasi-Z-source inverters for PV applications**

**Stepenko, Serhii**; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Roncero-Clemente, Carlos; **Pires Pimentel, Sergio**; **Santasheva, Elena** Energies 2019 / 2509 ; 17 p. : ill <https://doi.org/10.3390/en12132509> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Exploratory data analysis based short-term electrical load forecasting : a comprehensive analysis**

Javed, Umar; Ijaz, Khalid; **Shabbir, Noman**; **Kütt, Lauri**; **Husev, Oleksandr** Energies 2021 / art. 5510 <https://doi.org/10.3390/en14175510> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Extra cost analyses of two apartment buildings for achieving nearly zero and low energy buildings**

**Pikas, Ergo**; **Thalfeldt, Martin**; **Kurnitski, Jarek**; **Liias, Roode** Energy 2015 / p. 623-633 : ill <https://doi.org/10.1016/j.energy.2015.03.026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Extraction of oil from Jordanian Attarat oil shale**

**Tiikma, Laine**; **Johannes, Ille**; **Luik, Hans**; **Lepp, Ardi**; **Šarajeva, Galina** Oil shale 2015 / p. 218-239 : ill <https://doi.org/10.3176/oil.2015.3.03> [https://artiklid.elnet.ee/record=b2740510\\*est](https://artiklid.elnet.ee/record=b2740510*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Extraction of water-soluble phenols from shale-chemical process water**

Smirnova, A. A.; **Grigorieva, Larisa**; **Ostroukhov, N. N.** Solid fuel chemistry 2016 / p. 371-375 : ill <https://doi.org/10.3103/S0361521916060100> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



**Feasibility study GaN transistors application in the novel split-coils inductive power transfer system with T-Type inverter**  
Shevchenko, Viktor; Pakhaliuk, Bohdan; **Husev, Oleksandr**; Veligorskyi, Oleksandr; Stepins, Deniss; Strzelecki, Ryszard Energies 2020 / art. 4535, 16 p. : ill <https://doi.org/10.3390/en13174535> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**From private to public governance : The case for reconfiguring energy systems as a commons**

**Giotitsas, Christos**; Nardelli, Pedro H.J.; **Kostakis, Vasileios**; Narayanan, Arun Energy research & social science 2020 / art. 101737 ; 7 p <https://doi.org/10.1016/j.erss.2020.101737> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**From the molecules of resorcinolic lipids to alga G. prisca globular colonies in kukersite microfossils : a multiscale simulation study**

**Kaevand, Toomas**; Lille, Ülo Oil shale 2020 / p. 281-287 : ill <https://doi.org/10.3176/oil.2020.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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, Artjom; 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](#)

**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](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](#)

**Gasification and liquefaction of solid fuels by hydrothermal conversion methods**

**Kruusement, Kristjan**; Luik, Hans; Waldner, Maurice; Vogel, Frederic; **Luik, Lea** Journal of analytical and applied pyrolysis 2014 / p. 265-273 : ill <https://doi.org/10.1016/j.jaap.2014.04.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**General geology and geochemistry of the Lokpanta Formation oil shale, Nigeria**

Ofili, Sylvester; **Soesoo, Alvar** Oil shale 2021 / p. 1-25 : ill <https://doi.org/10.3176/oil.2021.1.01> [https://kirj.ee/wp-content/plugins/kirj/pub/OS-1-2021-1-25\\_20210222114545.pdf](https://kirj.ee/wp-content/plugins/kirj/pub/OS-1-2021-1-25_20210222114545.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Geochemical heterogeneity of Estonian graptolite argillite**

**Voolma, Margus**; **Soesoo, Alvar**; Hade, Sigrid; Hints, Rutt; Kallaste, Toivo Oil shale 2013 / p. 377-401 : ill [https://artiklid.elnet.ee/record=b2633538\\*est](https://artiklid.elnet.ee/record=b2633538*est) <https://doi.org/10.3176/oil.2013.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Grid-forming operation of energy-router based on model predictive control with improved dynamic performance**

**Najafzadeh, Mahdiyyeh**; Strzelecka, Natalia; **Husev, Oleksandr**; Roasto, Indrek; Nassereddine, Kawsar; **Vinnikov, Dmitri**; Strzelecki, Ryszard Energies 2022 / 14 p. : ill <https://doi.org/10.3390/en15114010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Grounding and isolation requirements in DC microgrids: overview and critical analysis**

Azizi, Mohammadreza; **Husev, Oleksandr**; Veligorskyi, Oleksandr; **Rahimpour, Saeed**; **Roncero-Clemente, Carlos** Energies 2023 / art. 7747, 23 p. : ill <https://doi.org/10.3390/en16237747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Growth rate of solar thermal systems in Baltic States : slow but steady wins the race?**

Valančius, Rokas; Borodinecs, Anatolijs; **Kalamees, Targo**; Fokaides, Paris; Jurelionis, Andrius; Jonynas, Rolandas Energy Sources, Part B: Economics, Planning and Policy 2020 / p. 423 - 435 <https://doi.org/10.1080/15567249.2020.1813844> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Heat capacity of kukersite oil shale : literature overview**

**Savest, Natalja**; Oja, Vahur Oil shale 2013 / p. 184-192 : ill [https://artiklid.elnet.ee/record=b2621584\\*est](https://artiklid.elnet.ee/record=b2621584*est) <https://doi.org/10.3176/oil.2013.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Heat loss due to domestic hot water pipes**

**Hamburg, Anti**; Mikola, Alo; Parts, Tuule Mall; **Kalamees, Targo** Energies 2021 / art. 6446 <https://doi.org/10.3390/en14206446> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Heating sizing power reduction in buildings connected to district heating with dynamically controlled DHW setback and flow limiters**

Hajian, Hatef; **Simson, Raimo; Kurnitski, Jarek** Energies 2022 / art. 5278 <https://doi.org/10.3390/en15145278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **High selective oil shale mining**

**Väizene, Vivika; Valgma, Ingo; Iskül, Riho; Kolats, Margit; Nurme, Martin; Karu, Veiko** Oil shale 2013 / p. 305-325 : ill [https://artiklid.elnet.ee/record=b2631753\\*est](https://artiklid.elnet.ee/record=b2631753*est) <https://doi.org/10.3176/oil.2013.2S.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **High-strength fuel pellets made of flour milling and coal slack wastes**

Tabakaev, Roman; Kahn, Victor; Dubinina, Yury; **Preis, Sergei** Energy 2022 / art. 123071 <https://doi.org/10.1016/j.energy.2021.123071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **How governments, universities, and companies contribute to renewable energy development? A municipal innovation policy perspective of the triple helix**

Visintainer Lerman, Laura; **Gerstlberger, Wolfgang Dieter**; Ferreira Lima, Mateus; Frank, Alejandro G. Energy research & social science 2020 / art. 101854, 11 p. : ill <https://doi.org/10.1016/j.erss.2020.101854> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hybrid heat pump performance evaluation in different operation modes for single-family house**

Tihana, Jelena; **Ali, Hesham**; Apse, Jekaterina; Jekabsons, Janis; Ivancovs, Dmitrijs; Gaujena, Baiba; **Dedov, Andrei** Energies 2023 / art. 7018 <https://doi.org/10.3390/en16207018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hybrid inverter and control strategy for enabling the PV generation dispatch using extra-low-voltage batteries**

Meneghetti, Luiz Henrique; **Carvalho da Silva, Edivan Laercio**; Carati, Emerson Giovani; Denardin, Gustavo Weber; da Costa, Jean Patric; de Oliveira Stein, Carlos Marcelo; Cardoso, Rafael Energies 2022 / art. 7539 <https://doi.org/10.3390/en15207539> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hygrothermal analysis of masonry wall with reed boards as interior insulation system**

Keskküla, Kadri; Aru, Tambet; **Kiviste, Mihkel**; Miljan, Martti-Jaan Energies 2020 / art. 5252, 10 p. : ill <https://doi.org/10.3390/en13205252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The impact of air pressure conditions on the performance of single room ventilation units in multi-story buildings**

**Mikola, Alo; Simson, Raimo; Kurnitski, Jarek** Energies 2019 / art. 2633, 18 p. : ill <https://doi.org/10.3390/en12132633> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Impact of investments and R&D costs in renewable energy technologies on companies' profitability indicators: assessment and forecast**

Prokopenko, Olha; Kurbatova, Tetiana; Khalilova, Marina; Zerkal, Anastasiia; **Prause, Gunnar Klaus**; Binda, Jacek; Berdiyrov, Temur; Klappiv, Yuriy; Sanetra-Pólgrabi, Sabina; Komarnitskyi, Igor Energies 2023 / art. 1021, 17 p. : ill <https://doi.org/10.3390/en16031021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Impact of transformer turns ratio on the power losses and efficiency of the wide range isolated buck–boost converter for photovoltaic applications**

**Mashinchi Maheri, Hamed; Vinnikov, Dmitri; Chub, Andrii; Sidorov, Vadim; Liivik, Elizaveta** Energies 2020 / art. 5645, 21 p <https://doi.org/10.3390/en13215645> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Implications of digitalization in facilitating socio-technical energy transitions in Europe**

**Veskioja, Kaija; Soe, Ralf-Martin** Energy research & social science 2022 / art. 102720 <https://doi.org/10.1016/j.erss.2022.102720> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Implications of the possible exit from oil shale for Estonian electricity sector**

**Härm, Mihkel; Hamburg, Arvi** Oil shale 2020 / p. 177-187 : ill <https://doi.org/10.3176/oil.2020.3.01> [https://kirj.ee/wp-content/plugins/kirj/pub/OS-3-2020-177-187\\_uus\\_20200827110456.pdf](https://kirj.ee/wp-content/plugins/kirj/pub/OS-3-2020-177-187_uus_20200827110456.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Increasing renewable fraction by smoothing consumer power charts in grid-connected wind-solar hybrid systems**

Annuk, Andres; **Tammoja, Heiki** Oil shale 2013 / p. 257-267 : ill [https://artiklid.elnet.ee/record=b2631746\\*est](https://artiklid.elnet.ee/record=b2631746*est) <https://doi.org/10.3176/oil.2013.2S.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Induction generator with direct control and a limited number of measurements on the side of the converter connected to the power grid**

Kasprowicz, Andrzej Bogdan; **Husev, Oleksandr**; Strzelecki, Ryszard Energies 2023 / art. 63, 23 p. : ill <https://doi.org/10.3390/en16010063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](#)

**Integrating smart energy management system with internet of things and cloud computing for efficient demand side management in smart grids**

Saleem, M. Usman; Shakir, Mustafa; Usman, M. Rehan; Bajwa, M. Hamza Tahir; **Shabbir, Noman; Shams Ghahfarokhi, Payam; Daniel, Kamran** Energies 2023 / art. 4835 : ill <https://doi.org/10.3390/en16124835> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Intelligent control of robots with minimal power consumption in pick-and-place operations**

**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard** Energies 2023 / art. 7418 <https://doi.org/10.3390/en16217418> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interdependence between point load index, compressive strength and crushing resistance of Jordan oil shale and relation to calorific value**

**Väizene, Vivika; Valgma, Ingo; Reinsalu, Enno; Pastarus, Jüri-Rivaldo; Kaisla, Erkki** Oil shale 2015 / p. 252-268 : ill [https://artiklid.elnet.ee/record=b2740514\\*est](https://artiklid.elnet.ee/record=b2740514*est) <https://doi.org/10.3176/oil.2015.3.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interface converters for residential battery energy storage systems : practices, difficulties and prospects**

Galkin, Ilja; **Blinov, Andrei**; Vorobyov, Maxim; Bubovich, Alexander; Saltanovs, Rodions; Pefitsis, Dimosthenis Energies 2021 / art. 3365 <https://doi.org/10.3390/en14123365> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Inventory routing for ammonia supply in German ports**

Prause, Felix; **Prause, Gunnar**; Philipp, Robert Energies 2022 / art. 6485, 22 p. : ill. <https://doi.org/10.3390/en15176485> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Inverter-fed motor drive system : a systematic analysis of condition monitoring and practical diagnostic techniques**

Energies 2023 / art. 5628 <https://doi.org/10.3390/en16155628> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigation and field measurements for demand side management control technique of smart air conditioners located at residential, commercial, and industrial sites**

Masood, Bilal; Guobing, Song; Nebhen, Jamel; Rehman, Ateeq Ur; **Iqbal, Muhammad Naveed**; Rasheed, Iftikhar; Bajaj, Mohit; Shafiq, Muhammad; Hamam, Habib Energies 2022 / art. 2482, 23 p. : ill <https://doi.org/10.3390/en15072482> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigation of fouling and corrosion of low-temperature reheater in a CFBC boiler**

**Konist, Alar** Fuel 2023 / art. 127373, 8 p. : ill <https://doi.org/10.1016/j.fuel.2022.127373> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Iron and cobalt containing electrospun carbon nanofibre-based cathode catalysts for anion exchange membrane fuel cell**

Sokka, Andri; Mooste, Marek; Käärik, Maie; **Gudkova, Viktoria**; Kozlova, Jekaterina; Kikas, Arvo; Kisand, Vambola; Treshchalov, Alexey; Tamm, Aile; Paiste, Päärn; Aruväli, Jaan; Leis, Jaan; **Krumme, Andres**; Holdcroft, Steven; Cavaliere, Sara; Jaouen, Frederic; Tammeveski, Kaido International Journal of Hydrogen Energy 2021 / p. 31275-31287 <https://doi.org/10.1016/j.ijhydene.2021.07.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Kukersite oil shale kerogen solvent swelling in binary mixtures**

**Hruljova, Jelena; Savest, Natalja; Oja, Vahur**; Suuberg, Eric M. Fuel 2013 / p. 77-82 : ill <https://doi.org/10.1016/j.fuel.2012.06.085> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Laser additively manufactured magnetic core design and process for electrical machine applications**

**Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Lind, Liina**; Virro, Indrek; **Rassõlkin, Anton; Dedova, Tatjana** Energies 2022 / art. 3665 <https://doi.org/10.3390/en15103665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Leaching behaviour of Estonian oil shale ash-based construction mortars**

Irha, Natalja; **Uibu, Mai**; Jefimova, Jekaterina; **Raado, Lembi-Merike; Hain, Tiina; Kuusik, Rein, keemik** Oil shale 2014 / p. 394-411 : ill [https://artiklid.elnet.ee/record=b2704135\\*est](https://artiklid.elnet.ee/record=b2704135*est) <https://doi.org/10.3176/oil.2014.4.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Leaching thermodynamics and kinetics of oil shale waste key components**

**Tamm, Kadriann; Kallaste, Priit; Uibu, Mai; Kallas, Juha; Velts-Jänes, Olga; Kuusik, Rein, keemik** Oil shale 2016 / p. 80-99 : ill [https://artiklid.elnet.ee/record=b2760706\\*est](https://artiklid.elnet.ee/record=b2760706*est) <https://doi.org/10.3176/oil.2016.1.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Long-term stability of pillars in an underground oil shale mine**

**Reinsalu, Enno; Lüütre, Enn; Põldema, Tauri; Väli, Erik** Oil shale 2022 / p. 142-149 : ill <https://doi.org/10.3176/oil.2022.2.04> [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](#)

**Low-temperature supercritical conversion of Kukersite oil shale**

**Fomitšov, Mihhail** Oil shale 2019 / p. 171–178 : ill [http://www.kirj.ee/public/oilshale\\_pdf/2019/issue\\_2S/OS-2019-2S-171-178.pdf](http://www.kirj.ee/public/oilshale_pdf/2019/issue_2S/OS-2019-2S-171-178.pdf) <https://doi.org/10.3176/oil.2019.2S.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Low-temperature waste heat enabling abandoning coal in Espoo district heating system**

**Hiltunen, Pauli; Syri, Sanna** Energy 2021 / art. 120916, 11 p. : ill <https://doi.org/10.1016/j.energy.2021.120916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Main bird excrement contamination type causing insulator flashovers in 110 kV overhead power lines in Estonia**

**Taklaja, Paul; Oidram, Rein; Niitsoo, Jaan; Palu, Ivo** Oil shale 2013 / p. 211-224 : ill [https://artiklid.elnet.ee/record=b2631738\\*est](https://artiklid.elnet.ee/record=b2631738*est) <https://doi.org/10.3176/oil.2013.2S.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Managing energy consumption of linear delta robots using neural network models**

**Vodovozov, Valery; Lehtla, Madis; Raud, Zoja; Semjonova, Natalia; Petlenkov, Eduard** Energies 2024 / art. 4081 <https://doi.org/10.3390/en17164081> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Market mechanisms and trading in microgrid local electricity markets : a comprehensive review**

**Zahraoui, Younes; Korötko, Tarmo; Rosin, Argo; Agabus, Hannes** Energies 2023 / art. 2145, 52 p. : ill <https://doi.org/10.3390/en16052145> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**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](#)

**Methods of condition monitoring and fault detection for electrical machines**

**Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants; Khang, Huynh Van** Energies 2021 / art. 7459, 20 p. : ill <https://doi.org/10.3390/en14227459> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mine water as a potential source of energy from underground mined areas in Estonian oil shale deposit**

**Karu, Veiko; Valgma, Ingo; Kolats, Margit** Oil shale 2013 / p. 336-362 : ill [https://artiklid.elnet.ee/record=b2631761\\*est](https://artiklid.elnet.ee/record=b2631761*est) <https://doi.org/10.3176/oil.2013.2S.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Modeling an alternate operational ground source heat pump for combined space heating and domestic hot water power sizing**

**Ahmed, Kaiser; Fadejev, Jevgeni; Kurnitski, Jarek** Energies 2019 / art. 2120, 26 p. : ill <https://doi.org/10.3390/en12112120> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### **Modelling of wind energy-based microgrid system implementing MMC**

Mishra, Sambeet; Palu, Ivo; Madichetty, Sreedhar; Suresh Kumar, L.V. International Journal of Energy Research 2016 / p. 952-962  
<https://doi.org/10.1002/er.3490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modular battery charger for light electric vehicles**

Blinov, Andrei; Verbytskyi, Ievgen; Zinchenko, Denys; Vinnikov, Dmitri; Galkin, Ilja Energies 2020 / art. 774, 21 p. : ill  
<https://doi.org/10.3390/en13040774> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modular self-balancing battery charger concept for cost-effective power-assist wheelchairs**

Galkin, Ilja; Blinov, Andrei; Verbytskyi, Ievgen; Zinchenko, Denys Energies Special Issue Power Electronic Systems for Efficient and Sustainable Energy Supply 2019 / art. en12081526, 21 p. : ill <https://doi.org/10.3390/en12081526> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Molecular weight distributions and average molecular weights of pyrolysis oils from oil shales : literature data and measurements by size exclusion chromatography (SEC) and atmospheric solids analysis probe mass spectroscopy (ASAP MS) for oils from four different deposits**

Järvik, Oliver; Oja, Vahur Energy & fuels 2017 / p. 328-339 : ill <https://doi.org/10.1021/acs.energyfuels.6b02452> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A multisensory, green, and energy efficient housing neuromarketing method**

Kaklauskas, Arturas; Ubarte, Ieva; Kalibatas, Darius; Lill, Irene Energies 2019 / art. 3836, 30 p. : ill <https://doi.org/10.3390/en12203836> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Multi-source district heating system full decarbonization strategies: Technical, economic, and environmental assessment**

Pakere, Ieva; Feofilovs, Maksims; Lepiksaar, Kertu; Vitolinš, Valdis; Blumberga, Dagnija Energy 2023 / art. 129296  
<https://doi.org/10.1016/j.energy.2023.129296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Multivariate models based on infrared spectra as a substitute for oil property correlations to predict thermodynamic properties : evaluated on the basis of the narrow-boiling fractions of Kukersite retort oil**

Baird, Zachariah Steven; Oja, Vahur Oil shale 2022 / p. 20-36 <https://doi.org/10.3176/oil.2022.1.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Neural network-based model reference control of braking electric vehicles**

Vodovozov, Valery; Aksjonov, Andrei; Petlenkov, Eduard; Raud, Zoja Energies 2021 / art. 2373 <https://doi.org/10.3390/en14092373> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Neuro-fuzzy framework for fault prediction in electrical machines via vibration analysis**

Kudelina, Karolina; Raja, Hadi Ashraf Energies 2024 / art. 2818 <https://doi.org/10.3390/en17122818> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **New equation for optimal insulation dependency on the climate for office buildings**

Ahmed, Kaiser; Kurnitski, Jarek Energies 2021 / art. 321 <https://doi.org/10.3390/en14020321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A new method for contrasting energy performance and near-zero energy building requirements in different climates and countries**

Kurnitski, Jarek Energies 2018 / art. 1334, 22 p. : ill <https://doi.org/10.3390/en11061334> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **New opportunities in real-time diagnostics of induction machines**

Baraškova, Tatjana; Kudelina, Karolina; Shirokova, Veroonika Energies 2024 / art. 3265 <https://doi.org/10.3390/en17133265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A new virtual synchronous generator design based on the SMES system for frequency stability of low-inertia power grids**

Magdy, Gaber; Bakeer, Abualkasim Ahmed Ali; Nour, Morsy; Petlenkov, Eduard Energies 2020 / art. 5641, 17 p. : ill  
<https://doi.org/10.3390/en13215641> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Nitrogen isotopes in kukersite and black shale implying Ordovician-Silurian seawater redox conditions**

Kiipli, Enli; Kiipli, Tarmo Oil shale 2013 / p. 60-75 : ill [https://artiklid.elnet.ee/record=b2604253\\*est](https://artiklid.elnet.ee/record=b2604253*est) <https://doi.org/10.3176/oil.2013.1.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Novel approaches to electrical machine fault diagnosis**

Vaimann, Toomas; Antonino-Daviu, Jose Alfonso; Rassõlkin, Anton Energies 2023 / art. 5641 <https://doi.org/10.3390/en16155641> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A Novel vector control strategy for a six-phase induction motor with low torque ripples and harmonic currents**

**Heidari, Hamidreza; Rassölkin, Anton; Vaimann, Toomas; Kallaste, Ants; Taheri, Asghar; Holakooie, Mohammad Hosein; Belahcen, Anouar** Energies 2019 / art. 1102, 14 p. : ill <https://doi.org/10.3390/en12061102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Office building tenants' electricity use model for building performance simulations**

**Ferrantelli, Andrea; Kuivjõgi, Helena; Kurnitski, Jarek; Thalfeldt, Martin** Energies 2020 / art. 5541  
<https://doi.org/10.3390/en13215541> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oil prices, unemployment and the financial crisis in oil-importing countries : The case of Spain**

**Ordóñez, Javier; Monfort, Mercedes; Cuestas, Juan Carlos** Energy 2019 / p. 625-634 <https://doi.org/10.1016/j.energy.2019.05.209>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oil shale ash based stone formation - hydration, hardening dynamics and phase transformations**

**Raado, Lembi-Merike; Kuusik, Rein, keemik; Hain, Tiina; Uibu, Mai; Somelar, Peeter** Oil shale 2014 / p. 91-101 : ill  
[https://artiklid.elnet.ee/record=b2664060\\*est](https://artiklid.elnet.ee/record=b2664060*est) <https://doi.org/10.3176/oil.2014.1.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Oil shale pyrolysis products and the fate of sulfur**

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

**Oil shale related fundamental research and industry development**

**Siirde, Andres** Oil shale 2015 / p. 1-4 [https://artiklid.elnet.ee/record=b2716290\\*est](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](#)

**On the acoustic impedance of a fibreless sound absorptive element**

**Auriemma, Fabio; Tiikoja, Heiki** SAE international journal of engines 2015 / p. 2268-2275 : ill <https://doi.org/10.4271/2015-24-2462>  
[Journal metrics at Scopus](#) [Article at Scopus](#)

**Operation of district heat network in electricity and balancing markets with the power-to-heat sector coupling**

**Javanshir, Nima; Syri, Sanna; Tervo, Seela; Rosin, Argo** Energy 2023 / art. 126423 <https://doi.org/10.1016/j.energy.2022.126423>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Operation optimization of an integrated energy service provider with ancillary service provision**

**Lai, Xinyi; Xie, Zhihan; Xu, Danlu; Ying, Shuyang; Zeng, Yiming; Jiang, Chenwei; Wang, Fei; Wen, Fushuan; Palu, Ivo** Energies 2022 / art. 4376, 15 p. : ill <https://doi.org/10.3390/en15124376> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal rotating receiver angles estimation for multicoil dynamic wireless power transfer**

**Pakhaliuk, Bohdan; Shevchenko, Viktor; Mućko, Jan; Husev, Oleksandr; Lukianov, Mykola; Kołodziejek, Piotr; Strzelecka, Natalia; Strzelecki, Ryszard** Energies 2021 / art. 6144, 15 p. : ill <https://doi.org/10.3390/en14196144> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal tuning of fractional order sliding mode controller for PMSM speed using neural network with reinforcement learning**

**Zahraoui, Younes; Zaihidee, Fardila M.; Kermadi, Mostefa; Mekhilef, Saad; Alhamrouni, Ibrahim; Seyedmahmoudian, Mehdi; Stojcevski, Alex** Energies 2023 / art. 4353 <https://doi.org/10.3390/en16114353> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimal ultra-local model control integrated with load frequency control of renewable energy sources based microgrids**

**Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; Chub, Andrii; Jurado, Francisco; Rihan, Mahmoud** Energies 2022 / art. 9177 <https://doi.org/10.3390/en15239177> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimization of power system operation : editor's page**

**Tammoja, Heiki** Oil shale 2013 / p. 193-194 [https://artiklid.elnet.ee/record=b2631735\\*est](https://artiklid.elnet.ee/record=b2631735*est) <https://doi.org/10.3176/oil.2013.2S.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimization of renewable energy for buildings with energy storages and 15-minute power balance**

**Savolainen, Rebecka; Lahdelma, Risto** Energy 2022 / art. 123046 <https://doi.org/10.1016/j.energy.2021.123046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Outdoor thermal comfort optimization in a cold climate to mitigate the level of urban heat island in an urban area**  
Eslamirad, Nasim; Sepulveda Luque, Abel; De Luca, Francesco; Lylykangas, Kimmo Sakari; Ben Yahia, Sadok Energies 2023 / art. 4546, 28 p. : ill <https://doi.org/10.3390/en16124546> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxygen influence on Estonian kukersite oil shale devolatilization and char combustion**  
Loo, Lauri; Maaten, Birgit; Nešumajev, Dmitri; Konist, Alar Oil shale 2017 / p. 219-231 : ill <https://doi.org/10.3176/oil.2017.3.02>  
[http://www.ester.ee/record=b1072685\\*est](http://www.ester.ee/record=b1072685*est) [https://artiklid.elnet.ee/record=b2824314\\*est](https://artiklid.elnet.ee/record=b2824314*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A parallel estimation system of stator resistance and rotor speed for active disturbance rejection control of six-phase induction motor**  
Heidari, Hamidreza; Rassölkin, Anton; Holakooie, Mohammad Hosein; Vaimann, Toomas; Kallaste, Ants; Belahcen, Anouar; Lukichev, Dmitry Energies 2020 / 17 p <https://doi.org/10.3390/en13051121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Parameter estimation of PEM fuel cells employing the hybrid grey wolf optimization method**  
Miao, Di; Chen, Wei; Zhao, Wei; Demsas, Tekle Energy 2020 / Art. 116616 <https://doi.org/10.1016/j.energy.2019.116616> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Pathway analysis of a zero-emission transition in the Nordic-Baltic region**  
Lund, Peter D.; Skytte, Klaus; Bolwig, Simon; Bolkesjö, Torjus Folsland; Koduvere, Hardi Energies 2019 / art. 3337, 20 p. : ill <https://doi.org/10.3390/en12173337> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Peat as a carbon source for non-platinum group metal oxygen electrocatalysts and AEMFC cathodes**  
Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Adamson, Anu; Härmas, Meelis; Volobujeva, Olga; Aruväli, Jaan; Palm, Rasmus; Lust, Enn International Journal of Hydrogen Energy 2022 / p. 16908 - 16920 <https://doi.org/10.1016/j.ijhydene.2022.03.199> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Performance comparison of PD data acquisition techniques for condition monitoring of medium voltage cables**  
Shafiq, Muhammad; Kiitam, Ivar; Kauhaniemi, Kimmo; Taklaja, Paul; Kütt, Lauri; Palu, Ivo Energies 2020 / art. 4272, 14 p. : ill <https://doi.org/10.3390/en13164272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Performance improvement of PWM control methods for voltage step-down in series resonant DC–DC converters**  
Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri Energies 2020 / art. en13174569 ; 18 p <https://doi.org/10.3390/en13174569> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Permanent magnets in sustainable energy: comparative life cycle analysis**  
Orlova, Svetlana; Rassölkin, Anton Energies 2024 / art. 6384 <https://doi.org/10.3390/en17246384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Petrography and mineralogy of the Attarat Um Ghudran oil shale, Central Jordan**  
Puura, Väino; Soesoo, Alvar; Voolma, Margus; Konsa, Mare; Aosaar, Hardi Oil shale 2017 / p. 110-128 : ill [http://www.ester.ee/record=b1072685\\*est](http://www.ester.ee/record=b1072685*est) <https://doi.org/10.3176/oil.2017.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Petrophysical and numerical seismic modelling of CO2 geological storage in the E6 structure, Baltic Sea, offshore Latvia**  
Šogenov, Kazbulat; Gei, Davide; Forlin, Edy; Šogenova, Alla Petroleum geoscience 2016 / p. 153-164 <https://doi.org/10.1144/petgeo2015-017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Photovoltaic energy yield improvement in two-stage solar microinverters**  
Chub, Andrii; Vinnikov, Dmitri; Stepenko, Serhii; Liivik, Elizaveta; Blaabjerg, Frede Energies 2019 / art. 3774, 17 p. : ill <https://doi.org/10.3390/en12193774> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Physical and thermodynamic properties of kukersite pyrolysis shale oil : literature overview**  
Oja, Vahur; Rooleht, Ruth; Baird, Zachariah Steven Oil shale 2016 / p. 184-197 : ill <https://doi.org/10.3176/oil.2016.2.06>  
[https://artiklid.elnet.ee/record=b2778471\\*est](https://artiklid.elnet.ee/record=b2778471*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**PI parameter influence on underfloor heating energy consumption and setpoint tracking in nZEBs**  
Kull, Tuule Mall; Thalfeldt, Martin; Kurnitski, Jarek Energies 2020 / art. 2068, 20 p. : ill <https://doi.org/10.3390/en13082068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Porous cores in small thermoacoustic devices for building applications**  
Auriemma, Fabio; Di Giulio, Elio; Napolitano, Marialuisa; Dragonetti, Raffaele Energies 2020 / art. 2941, 19 p. : ill <https://doi.org/10.3390/en13112941> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Post deposition annealing effect on properties of CdS films and its impact on CdS/Sb<sub>2</sub>Se<sub>3</sub> solar cells performance**  
Gopi, Sajeesh Vadakkedath; Spalatu, Nicolae; Basnayaka, Madhawa; Krautmann, Robert; Katerski, Atanas; Josepson, Raavo; Grzibovskis, Raitis; Vembris, Aivars; Krunks, Malle; Oja Acik, Ilona *Frontiers in Energy Research* 2023 / art. 1162576, 12 p  
<https://doi.org/10.3389/fenrg.2023.1162576> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A potential route towards new methods for extracting value from shale oil side stream**  
Niidu, Allan *Oil shale* 2019 / p. 128–141 : ill [http://www.kirj.ee/public/oilshale\\_pdf/2019/issue\\_2S/OS-2019-2S-128-141.pdf](http://www.kirj.ee/public/oilshale_pdf/2019/issue_2S/OS-2019-2S-128-141.pdf)  
<https://doi.org/10.3176/oil.2019.2S.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Power converter interfaces for electrochemical energy storage systems - a review**  
Fernao Pires, Vitor; Romero-Cadaval, Enrique; Vinnikov, Dmitri; Roasto, Indrek; Martins, Joao *Energy conversion and management* 2014 / p. 453–475 : ill <https://doi.org/10.1016/j.enconman.2014.05.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Power converter solutions for industrial PV applications — a review**  
Verbytskyi, Ievgen; Lukianov, Mykola; Nassereddine, Kawsar; Pakhaliuk, Bohdan; Husev, Oleksandr; Strzelecki, Ryszard *Energies* 2022 / art. 3295 <https://doi.org/10.3390/en15093295> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Practical demand side management and demand response in large scale buildings with multiple case studies**  
Köse, Ahmet; Sukhanov, Ivan; Maivel, Mikk; Tepļakov, Aleksej; Hokmabad, Hossein Nouroollahi; Petlenkov, Eduard 2024 20th International Conference on the European Energy Market (EEM) 2024 / 5 p <https://doi.org/10.1109/EEM60825.2024.10608965>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Precision and accuracy of pulse propagation velocity measurement in power cables**  
Kiitam, Ivar; Shafiq, Muhammad; Choudhary, Maninder; Parker, Martin; Palu, Ivo; Taklaja, Paul *Energies* 2023 / art. 2702  
<https://doi.org/10.3390/en16062702> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Prediction of flue gas composition and comparative overall process evaluation for air and oxyfuel combustion of Estonian oil shale, using aspen plus process simulation**  
Yörük, Can Rüstü; Trikkel, Andres; Kuusik, Rein, keemik *Energy & fuels* 2016 / p. 5893–5900 : ill  
<https://doi.org/10.1021/acs.energyfuels.6b00022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Preparation of metal-doped carbon aerogels from oil shale processing by-products**  
Kreek, Kristiina; Kulp, Maria; Uibu, Mai; Mere, Arvo; Koel, Mihkel *Oil shale* 2014 / p. 185–194 : ill  
[https://artiklid.elnet.ee/record=b2673721\\*est](https://artiklid.elnet.ee/record=b2673721*est) <https://doi.org/10.3176/oil.2014.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Primary method for reduction of SO<sub>2</sub> emission in pulverized oil shale-fired boilers at Narva power plants : test 1 - water injection after superheater**  
Karolin, Robert; Latõšov, Eduard; Kleesmaa, Jüri *Oil shale* 2017 / p. 70–81 : ill <https://doi.org/10.3176/oil.2017.1.05>  
[https://artiklid.elnet.ee/record=b2816466\\*est](https://artiklid.elnet.ee/record=b2816466*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Properties of kukersite shale oil**  
Järvik, Oliver; Baird, Zachariah Steven; Rannaveski, Rivo; Oja, Vahur *Oil shale* 2021 / p. 265–294  
<https://doi.org/10.3176/oil.2021.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A qualitative control approach to reduce energy costs of hybrid energy systems : utilizing energy price and weather data**  
Taebnia, Mehdi; Heikkilä, Marko; Kurnitski, Jarek *Energies* 2020 / art. 1401, 17 p. : ill <https://doi.org/10.3390/en13061401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Quantitative compositional analysis of Estonian shale oil using comprehensive two dimensional gas chromatography**  
Ristic, Nenad D.; Djokic, Marko R.; Konist, Alar; Van Geem, Kevin M.; Marin, Guy B. *Fuel processing technology* 2017 / p. 241–249 : ill <https://doi.org/10.1016/j.fuproc.2017.07.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reactivities of American, Chinese and Estonian oil shale semi-cokes and Argonne premium coal chars under oxy-fuel combustion conditions**  
Culin, Chris; Tente, Kevin; Konist, Alar; Maaten, Birgit; Loo, Lauri *Oil shale* 2019 / p. 353–369 : ill [http://www.kirj.ee/32526/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32526/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/oil.2019.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### **Realisation of energy performance targets of an old apartment building renovated to nZEB**

Hamburg, Anti; Kuusk, Kalle; Mikola, Alo; Kalamees, Targo Energies 2020 / art. 116874, 10 p. : ill

<https://doi.org/10.1016/j.energy.2019.116874> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Recent trends in additive manufacturing and topology optimization of reluctance machines**

Hussain, Shahid; Kallaste, Ants; Vaimann, Toomas Energies 2023 / art. 3840 <https://doi.org/10.3390/en16093840> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Reinforcement learning model-based and model-free paradigms for optimal control problems in power systems: comprehensive review and future directions**

Ginzburg-Ganz, Elinor; Segev, Itay; Balabanov, Alexander; Segev, Elior; Kaully Naveh, Sivan; Machlev, Ram; Belikov, Juri; Katzir, Liran; Keren, Sarah; Levron, Yoash Energies 2024 / art. 5307, 54 p. : ill <https://doi.org/10.3390/en17215307> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Relationship analysis and optimisation of space layout to improve the energy performance of office buildings**

Du, Tiantian; Turrin, Michela; Jansen, Sabine; Dobbela, Andy van den; De Luca, Francesco Energies 2022 / art. 1268 <https://doi.org/10.3390/en15041268> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Renovation results of Finnish single-family renovation subsidies : oil boiler replacement with heat pumps**

Sankelo, Paula; Ahmed, Kaiser; Mikola, Alo; Kurnitski, Jarek Energies 2022 / art. 7620 <https://doi.org/10.3390/en15207620> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Replacement of the regulated price of oil shale-based electricity with open-market price and real-time tariff system opportunities**

Kivipõld, Tanel; Valtin, Juhan Oil shale 2013 / p. 195-210 : ill [https://artiklid.elnet.ee/record=b2631736\\*est](https://artiklid.elnet.ee/record=b2631736*est) <https://doi.org/10.3176/oil.2013.2S.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Resilient expansion planning of virtual power plant with an integrated energy system considering reliability criteria of lines and towers**

Mishra, Sambeet; Bordin, Chiara; Wu, Qiuwei; Manninen, Henri International journal of energy research 2022 / p. 13726-13751 <https://doi.org/10.1002/er.8093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review of aging models for electrical insulation in power cables**

Choudhary, Maninder; Shafiq, Muhammad; Kiitam, Ivar; Hussain, Amjad; Palu, Ivo; Taklaja, Paul Energies 2022 / Art. nr. 3408 <https://doi.org/10.3390/en15093408> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Review of electric vehicle testing procedures for digital twin development : a comprehensive analysis**

Rjabtšikov, Viktor; Rassõlkin, Anton; Kudelina, Karolina; Kallaste, Ants; Vaimann, Toomas Energies 2023 / art. 6952 <https://doi.org/10.3390/en16196952> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Review of energy challenges and horizons of hydrogen city buses**

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard Energies 2022 / art. 6945 <https://doi.org/10.3390/en15196945> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review of hybrid converter topologies**

Afshari, Hossein; Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri Energies 2022 / art. 9341 <https://doi.org/10.3390/en15249341> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Review of isolated matrix inverters : topologies, modulation methods and applications**

Korkh, Oleksandr; Blinov, Andrei; Vinnikov, Dmitri; Chub, Andrii Energies 2020 / art. 2394, 30 p. : ill <https://doi.org/10.3390/en13092394> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review of non-residential building renovation and improvement of energy efficiency: office buildings in Finland, Sweden, Norway, Denmark, and Germany**

Kiviste, Mihkel; Musakka, Sami; Ruus, Aime; Vinha, Juha Energies 2023 / art. 4220, 26 p <https://doi.org/10.3390/en16104220> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review on additive manufacturing possibilities for electrical machines**

Naseer, Muhammad Usman; Kallaste, Ants; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton Energies 2021 / art. 1940 <https://doi.org/10.3390/en14071940> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Review on Braking Energy Management in Electric Vehicles**

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard Energies 2021 / art. 4477 <https://doi.org/10.3390/en14154477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A review on energy piles design, sizing and modelling**

**Fadejev, Jevgeni; Simson, Raimo; Kurnitski, Jarek;** Haghighat, Fariborz Energy 2017 / p. 390-407 : ill  
<https://doi.org/10.1016/j.energy.2017.01.097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sb2S3 solar cells with a cost-effective and dopant-free fluorene-based enamine as a hole transport material**  
**Juneja, Nimish; Mandati, Sreekanth; Katerski, Atanas; Spalatu, Nicolae;** Daskeviciute-Geguziene, Sarune; Vembris, Aivars; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle; Oja Acik, Ilona** Sustainable Energy & Fuels 2022 / p. 3220-3229  
<https://doi.org/10.1039/D2SE00356B> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Selective laser melting of AlSi10Mg : corrosion behavior**  
Sellamuthu, Prabhukumar; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of Mines, Metals and Fuels 2024 / p. 93-102 <https://doi.org/10.18311/jmmf/2024/36429> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Signal spectrum-based machine learning approach for fault prediction and maintenance of electrical machines**  
**Raja, Hadi Ashraf; Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Kallaste, Ants; Rassõlkin, Anton;** Khang, Huynh Van Energies 2022 / art. 9507 <https://doi.org/10.3390/en15249507> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Single-stage buck–boost inverters: a state-of-the-art survey**  
Azizi, Mohammadreza; **Husev, Oleksandr; Vinnikov, Dmitri** Energies 2022 / art. 1622 <https://doi.org/10.3390/en15051622> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sliding mean value subtraction-based DC drift correction of B-H curve for 3D-printed magnetic materials**  
**Asad, Bilal; Tiismus, Hans; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants; Rassõlkin, Anton; Ghahfarokhi, Payam Shams** Energies 2021 / art. 284, 10 p <https://doi.org/10.3390/en14020284> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sliding mode based control of dual boost inverter for grid connection**  
Lopez-Caiza, Diana; Flores-Bahamonde, Freddy; Kouro, Samir; Santana, Victor; Müller, Nicolas; **Chub, Andrii** Energies 2019 / art. 4241, 15 p.: ill <https://doi.org/10.3390/en1224241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Smart contract formation enabling energy-as-a-service in a virtual power plant**  
**Mishra, Sambeet; Crasta, Cletus J.;** Bordin, Chiara; MateoIFornés, Jordi International journal of energy research 2022 / p. 3272-3294 <https://doi.org/10.1002/er.7381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**SO2 emissions from oil shale oxyfuel combustion in a 60 kWth circulating fluidized bed**  
**Baqain, Mais Hanna Suleiman; Nešumajev, Dmitri; Konist, Alar** Energies 2024 / art. 4567 <https://doi.org/10.3390/en17184567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Soil invertebrates in semi-coke heaps of Estonian oil shale industry**  
**Kalda, Kai; Ivask, Mari; Kutti, Sander; Kuu, Anneli; Meriste, Mart; Nei, Lembit; Peda, Jane; Raukas, Anto** Oil shale 2015 / p. 82-97 : ill [https://artiklid.elnet.ee/record=b2716302\\*est](https://artiklid.elnet.ee/record=b2716302*est) <https://doi.org/10.3176/oil.2015.1.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Solvent swelling of kukersite oil shale macromolecular organic matter in binary mixtures : impact of specifically interacting solvents**  
**Hruljova, Jelena; Savest, Natalja; Yanchilin, Alexey; Oja, Vahur;** Suuberg, Eric M. Oil shale 2014 / p. 365-376 : ill  
[https://artiklid.elnet.ee/record=b2704126\\*est](https://artiklid.elnet.ee/record=b2704126*est) <https://doi.org/10.3176/oil.2014.4.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Spectrum analysis for condition monitoring and fault diagnosis of ventilation motor : a case study**  
**Shabbir, Noman; Kütt, Lauri; Asad, Bilal; Jawad, Muhammad; Iqbal, Muhammad Naveed; Daniel, Kamran** Energies 2021 / art. 2001 <https://doi.org/10.3390/en14072001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**State-of-the-Art techniques for fault diagnosis in electrical machines: Advancements and future directions**  
**Akbar, Siddique; Vaimann, Toomas; Asad, Bilal; Kallaste, Ants; Sardar, Muhammad Usman; Kudelina, Karolina** Energies 2023 / Art. 6345 <https://doi.org/10.3390/en16176345> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Steady-state thermal modeling of salient pole synchronous generator**

**Ghahfarokhi, Payam Shams;** Podgornovs, Andrejs; **Kallaste, Ants;** Cardoso, Antonio J. Marques; **Belahcen, Anouar; Vaimann, Toomas;** Kudrjavev, Oleg; **Asad, Bilal; Iqbal, Muhammad Naveed** Energies 2022 / art. 9460 <https://doi.org/10.3390/en15249460>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Steam activation of oil shale to enhance the porosity of produced semicoke**

**Pikkor, Heliis; Lees, Heidi; Konist, Alar; Järvik, Oliver; Maaten, Birgit** Energy Sources, Part A : Recovery, Utilization, and Environmental Effects 2022 / p. 9064-9073 <https://doi.org/10.1080/15567036.2022.2128471> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

### **Step-Up series resonant DC-DC converter with bidirectional-switch-based boost rectifier for wide input voltage range photovoltaic applications**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri** Energies 2020 / Art. 3747 <https://doi.org/10.3390/en13143747>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Surface mining technology in the zones of tectonic disturbances, Estonian oil shale deposit**

**Pastarus, Jüri-Rivaldo; Sõstra, Ülo; Valgma, Ingo;** Kolotogina, Ljudmilla; **Anepaio, Ain;** Vannus, Ants; **Nurme, Martin** Oil shale 2013 / p. 326-335 : ill [https://artiklid.elnet.ee/record=b2631758\\*est](https://artiklid.elnet.ee/record=b2631758*est) <https://doi.org/10.3176/oil.2013.2S.11> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainability assessment of Estonian oil shale mining**

**Šommet, Julija** Oil shale 2013 / p. 363-370 : ill [https://artiklid.elnet.ee/record=b2631763\\*est](https://artiklid.elnet.ee/record=b2631763*est) <https://doi.org/10.3176/oil.2013.2S.13> [Journal metrics at WOS](#) [Article at WOS](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainable rural electrification : harnessing a cosmological wind**

Troullaki, Katerina; Rozakis, Stelios; Latoufis, Kostas; **Giotitsas, Christos; Priavolou, Christina;** Freire, Fausto Energies 2022 / art. 4659 <https://doi.org/10.3390/en15134659> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A synergy code in co-pyrolysis**

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

### **Synergy in co-liquefaction of oil shale and willow in supercritical water**

**Johannes, Ille; Luik, Hans; Palu, Vilja; Kruusement, Kristjan; Gregor, Andre** Fuel 2015 / p. 180-187 : ill <https://doi.org/10.1016/j.fuel.2014.12.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Johannes, Ille; Tiikma, Laine; Luik, Hans** Journal of analytical and applied pyrolysis 2013 / 341-352 : ill <https://doi.org/10.1016/j.jaap.2013.06.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Synergy in the hydrothermal pyrolysis of oil shale/sawdust blends**

**Tiikma, Laine; Johannes, Ille; Luik, Hans; Gregor, Andre** Journal of Analytical and Applied Pyrolysis 2016 / p. 247 - 256 <https://doi.org/10.1016/j.jaap.2015.11.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Synthesis of solid resorcinol-formaldehyde resin modified with styrene with the use of a shale phenol fraction with a boiling temperature higher than 270°C**

**Jurkeviciute, Ana; Grigorieva, Larisa;** Vassiljev, Vassili Solid fuel chemistry 2016 / p. 64-68 <https://doi.org/10.3103/S0361521916010122> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Techno-economic analysis and energy forecasting study of domestic and commercial photovoltaic system installations in Estonia**

**Shabbir, Noman; Kütt, Lauri; Raja, Hadi Ashraf;** Jawad, Muhammad; Allik, Alo; **Husev, Oleksandr** Energy 2022 / art. 124156 <https://doi.org/10.1016/j.energy.2022.124156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The chemometric approach to identification of residual oil contamination at former primitive asphalt pavement plants**

**Jurjeva, Jelena; Koel, Mihkel** Oil shale 2019 / p. 410-430 : ill [http://www.kirj.ee/32501/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32501/?tpl=1061&c_tpl=1064) <https://doi.org/10.3176/oil.2019.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The composition and properties of ash in the context of the modernisation of oil shale industry**

**Uibu, Mai; Tamm, Kadriann; Viies, Regiina;** Reinik, Janek; Somelar, Peeter; **Raado, Lembi-Merike; Hain, Tiina; Kuusik, Rein, keemik; Triikkel, Andres** Oil shale 2021 / p. 155-176 : ill <https://doi.org/10.3176/oil.2021.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The influence of energy renovation on the change of indoor temperature and energy use**

**Hamburg, Anti; Kalamees, Targo** Energies 2018 / art. 3179, p. 1-15 : ill <https://doi.org/10.3390/en11113179> [Journal metrics at](#)

[Scopus Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The Lille-Blokker model – an excellent tool to describe the structure of kukersite**

**Mets, Birgit; Kaldas, Kristiina; Uustalu, Jaan Mihkel; Lopp, Margus** Oil shale 2023 / p. 234–243

<https://doi.org/10.3176/oil.2023.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The nexus of world electricity and global sustainable development**

Wittmann, Veronika; Arici, Elif; **Meissner, Dieter** Energies 2021 / art. 5843, 21 p. : ill <https://doi.org/10.3390/en14185843> [Journal](#)

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Thermodynamic and kinetic study of CaS in aqueous systems**

**Tamm, Kadriann; Uibu, Mai; Kallas, Juha; Kallaste, Priit; Velts-Jänes, Olga; Kuusik, Rein, keemik** Fuel processing technology

2016 / p. 242-249 : ill <https://doi.org/10.1016/j.fuproc.2015.10.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

**Thermogravimetric analysis and process simulation of oxyfuel combustion of blended fuels including oil shale, semicoke, and biomass**

**Yörük, Can Rüstü; Meriste, Tõnis; Sener, Sener; Kuusik, Rein, keemik; Triikkel, Andres** International journal of energy research

2018 / p. 2213–2224 : ill <https://doi.org/10.1002/er.4011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at](#)

[WOS](#)

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

Baroudi, Djebbar; **Ferrantelli, Andrea**; Li, Kai Yuan; Hostikka, Simo Combustion and flame 2017 / p. 206-215 : ill

<https://doi.org/10.1016/j.combustflame.2017.04.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Tire processing using pyrolysis and hydrogenation methods**

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

<https://doi.org/10.3103/S0361521913030063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A two-step model for assessing the potential of shale-derived chemicals by oxidation of kukersite**

**Mets, Birgit; Lopp, Margus; Uustalu, Jaan Mihkel; Muldma, Kati; Niidu, Allan; Kaldas, Kristiina** Oil shale 2023 / p. 344-362

<https://doi.org/10.3176/oil.2023.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Underground oil shale mine surveying using handheld mobile laser scanner**

**Kütimets, Kaia; Ellmann, Artu; Väli, Erik; Kanter, Sander** Oil shale 2021 / p. 42–64 <https://doi.org/10.3176/oil.2021.1.03> [Journal](#)

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Understanding computational methods for solar envelopes based on design parameters, tools, and case studies : a review**

Alkadri, Miktha Farid; **De Luca, Francesco**; Turrin, Michel; Sariyildiz, Sevil Energies 2020 / art. 3302, 25 p. : ill

<https://doi.org/10.3390/en13133302> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Upgrading of Estonian shale oil heavy residuum bituminous fraction by catalytic hydroconversion**

**Luik, Hans; Luik, Lea; Johannes, Ille; Tiikma, Laine; Vink, Natalia; Palu, Vilja; Bitjukov, Mihhail; Tamvelius, Hindrek;**

**Krasulina, Julia; Kruusement, Kristjan; Nechaev, Igor** Fuel processing technology 2014 / p. 115-122 : ill

<https://doi.org/10.1016/j.fuproc.2014.02.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Utilization of oil shale combustion wastes for PCC production : quantifying the kinetics of  $\text{Ca}(\text{OH})_2$  and  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$  dissolution in aqueous systems**

**Uibu, Mai; Tamm, Kadriann; Velts-Jänes, Olga; Kallaste, Priit; Kuusik, Rein, keemik; Kallas, Juha** Fuel processing technology

2015 / p. 156-164 : ill <https://doi.org/10.1016/j.fuproc.2015.09.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

**Valorisation of waste heat in existing and future district heating systems**

Pakere, Ieva; Blumberga, Dagnija; **Volkova, Anna; Lepiksaar, Kertu**; Zirne, Agate Energies 2023 / art. 6796

<https://doi.org/10.3390/en16196796> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Vapor pressures of narrow gasoline fractions of oil from industrial retorting of Kukersite oil shale**

**Mozaffari, Parsa; Baird, Zachariah Steven; Listak, Madis; Oja, Vahur** Oil shale 2020 / p. 287-303 : tab

<https://doi.org/10.3176/oil.2020.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Vaporization parameters of primary pyrolysis oil from kukersite oil shale**

**Oja, Vahur** Oil shale 2015 / p. 124-133 : ill [https://artiklid.einet.ee/record=b2727432\\*est](https://artiklid.einet.ee/record=b2727432*est) <https://doi.org/10.3176/oil.2015.2.03> [Journal](#)

[metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### **Verification of utility-scale solar photovoltaic plant models for dynamic studies of transmission networks**

Machlev, Ram; Batushansky, Zohar; Soni, Sachin; Chadliev, Vladimir; **Belikov, Juri**; Levron, Yoash Energies 2020 / art. 3191, 20 p. : ill <https://doi.org/10.3390/en13123191> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **What's worse, communism or carbon? Using the Transitions Delphi approach to identify viable interventions for the Estonian energy transition**

Pahker, Anna-Kati; Keller, Margit; **Karo, Erkki**; Vihalemm, Triin; Solvak, Mihkel; Orru, Kati; Tammiksaar, Erki; Ukrainski, Kadri; Noorkõiv, Martin Energy research & social science 2014 / art. 103421, 14 p. : ill <https://doi.org/10.1016/j.erss.2024.103421> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Wide input voltage range operation of the series resonant DC-DC converter with bridgeless boost rectifier**

**Bakeer, Abualkasim Ahmed Ali**; Chub, Andrii; Vinnikov, Dmitri; Rosin, Argo Energies 2020 / p. 4220–4237 <https://doi.org/10.3390/en13164220> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Wide range series resonant DC-DC converter with a reduced component count and capacitor voltage stress for distributed generation**

**Bakeer, Abualkasim Ahmed Ali**; Chub, Andrii; Blinov, Andrei; Lai, Jih-Sheng Energies 2021 / art. 2051 <https://doi.org/10.3390/en14082051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Window model and 5 year price data sensitivity to cost-effective facade solutions for office buildings in Estonia**

Thalfeldt, Martin; Pikas, Ergo; Kurnitski, Jarek; Voll, Hendrik Energy 2017 / p. 685–697 : ill <https://doi.org/10.1016/j.energy.2017.06.160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Wireless charging station design for electric scooters : case study analysis**

Shevchenko, Viktor; Pakhaliuk, Bohdan; Husev, Oleksandr; Vinnikov, Dmitri; Strzelecki, Ryszard Energies 2024 / art. 2472 <https://doi.org/10.3390/en17112472> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Virtual inertia control methods in islanded microgrids**

**Škiparev, Vjatseslav**; Machlev, Ram; Chowdhury, Nilanjan Roy; Levron, Yoash; **Petlenkov, Eduard**; Belikov, Juri Energies 2021 / art. 1562, 20 p. : ill <https://doi.org/10.3390/en14061562> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Viscosity data for kukersite shale gasoline fractions**

**Baird, Zachariah Steven**; Yanchilin, Alexey; Oja, Vahur; Järvik, Oliver Oil shale 2022 / p. 241–251 <https://doi.org/10.3176/oil.2022.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Voltage source operation of the energy-router based on model predictive control**

**Roasto, Indrek**; Husev, Oleksandr; Najafzadeh, Mahdiyyeh; Jalakas, Tanel; Rodriguez, Jose Energies 2019 / art. 1892, 15 p. . ill <https://doi.org/10.3390/en12101892> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Yields and the selected physicochemical properties of thermobitumen as an intermediate product of the pyrolysis of Kukersite oil shale**

**Astra, Hanna-Liina**; Albert, Tiina; Mozaffari, Sepehr; Järvik, Oliver; Yanchilin, Alexey; Kamenev, Sven; Karagöz, Selhan; **Oja, Vahur** Oil shale 2021 / p. 295–316 <https://doi.org/10.3176/oil.2021.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)