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://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 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 CO2 - 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 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 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://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**; **Mõlder, 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
Ahmadiahangar, 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 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**; **Trikkel, 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; **Trikkel, 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**; **Preegel, 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; Borščevskis, 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; Shanenkov, Ivan; Ibraeva, Kanipa; Tabakaev, Roman; **Preis, Sergei** Energies 2022 / art. 7118 https://doi.org/10.3390/en15197118 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 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://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 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Catalytic effect of oil shale ash on CO2 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 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://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; **Ahmadiahangar, 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**; Lytvyn, 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 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 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**; **Latõšov, Eduard**; Murauskaite, Lina; Džiuve, 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 Shahsavar, 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
Ruševljuk, 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 Aricle 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://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; **Järvik, Oliver**; **Baird, Zachariah Steven** Oil shale 2021 / p. 215-227 : ill https://doi.org/10.3176/oil.2021.3.03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The composition of kukersite shale oil
Baird, Zachariah Steven; **Oja, Vahur**; **Järvik, Oliver** Oil shale 2023 / p. 25-43 : ill https://doi.org/10.3176/oil.2023.1.02 https://artiklid.elnet.ee/record=b2903562*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Considerations on combining unfolding inverters with partial power regulators in battery–grid interface converters
Galkin, Ilya A.; Saltanovs, Rodions; Bubovich, Alexander; **Blinov, Andrei**; Peftitsis, 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**; **Järvik, Oliver**; **Konist, Alar** Energies 2024 / art. 1055 https://doi.org/10.3390/en17051055 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Co-Pyrolysis of Woody Biomass and Oil Shale in a Batch Reactor in CO2, CO2-H2O, and Ar Atmospheres
Lyons Ceron, Alejandro; **Konist, Alar** Energies 2023 / art. 3145 https://doi.org/10.3390/en16073145 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 Artile 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**; **Järvik, Oliver** Oil shale 2021 / p. 228-263 : tab https://doi.org/10.3176/oil.2021.3.04 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 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, Pjotr 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
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 CO2 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 Sb2S3 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
Ruševljuk, 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 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.ester.ee/record=b1072685*est https://artiklid.elnet.ee/record=b2824320*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of N2 and CO2 on shale oil from pyrolysis of Estonian oil shale
Mozaffari, Sepehr; **Järvik, Oliver**; **Baird, Zachariah Steven** International journal of coal preparation and utilization 2022 / p. 2908-2922 https://doi.org/10.1080/19392699.2021.1914025 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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**; Peftitsis, 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
Mashinchi 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 NOx, SO2, 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://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 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 https://doi.org/10.3176/oil.2017.3.04 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 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 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://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://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://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; Berdiyorov, Temur; Klapkiv, Yuriy; Sanetra-Półgrabi, 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 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://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://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; Peftitsis, 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 di□erent 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, Maike; **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://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://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://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 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://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; **Korõtko, 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://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 CO2 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 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**; Vītoliņš, 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://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; **Rassõlkin, 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
Ordonez, 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://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://doi.org/10.3176/oil.2013.1.02 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oil shale pyrolysis products and the fate of sulfur
Maaten, Birgit; **Järvik, Oliver**; **Pihl, Olga**; **Konist, Alar**; **Siirde, Andres** Oil shale 2020 / p. 51–69 : tab https://www.kirj.ee/33071/?tpl=1061&c_tpl=1064 https://doi.org/10.3176/oil.2020.1.03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oil shale related fundamental research and industry development
Siirde, Andres Oil shale 2015 / p. 1-4 https://artiklid.elnet.ee/record=b2716290*est https://doi.org/10.3176/oil.2015.1.01 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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, Pjotr; 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://doi.org/10.3176/oil.2013.2S.01 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article t 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 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; **Rassõlkin, 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; **Rassõlkin, 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 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 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/Sb2Se3 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 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 metrrics 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; **Tepljakov, Aleksei**; **Hokmabad, Hossein Nourollahi**; **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://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 SO2 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 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 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 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** Energy 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; Dobbelsteen, 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://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/en12224241 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; Mateo**I**Fornés, 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

Soil invertebrates in semi-coke heaps of Estonian oil shale industry
Kalda, Kai; **Ivask, Mari**; **Kutti, Sander**; **Kuu, Annely**; **Meriste, Mart**; **Nei, Lembit**; **Peda, Jane**; **Raukas, Anto** Oil shale 2015 / p. 82-97 : ill 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 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://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**; Kudrjavtsev, 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://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://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 cosmolocal 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://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 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**; **Viires, Regiina**; Reinik, Janek; Somelar, Peeter; **Raado, Lembi-Merike**; **Hain, Tiina**; **Kuusik, Rein, keemik**; **Trikkel, 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**; **Trikkel, 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, Djebar; **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 $Ca(OH)_2$ and $CaSO_4{\cdot}2H_2O$ 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.elnet.ee/record=b2727432*est https://doi.org/10.3176/oil.2015.2.03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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, Vjatšeslav; 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