Accuracy analysis of selected time series and machine learning methods for smart cities based on Estonian electricity consumption forecast
Häring, Tobias; **Ahmadiahangar, Roya**; **Rosin, Argo**; **Korõtko, Tarmo**; Biechl, Helmuth 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings 2020 / p. 425-428 : ill
https://doi.org/10.1109/CPE-POWERENG48600.2020.9161690

Active front-end DC grid-forming converter design with power balancing capability
Verbytskyi, Ievgen; **Blinov, Andrei**; **Chub, Andrii**; **Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 6 p https://doi.org/10.1109/ICDCM63994.2025.11144688

Active power electronic transformer based on modular building blocks
Roasto, Indrek; Romero-Cadaval, Enrique; Martins, Joao Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5922-5927 : ill
https://doi.org/10.1109/IECON.2013.6700106 Conference Proceedings at Scopus Article at Scopus

Advanced methodology for estimation of value of lost load (VOLL) using equipment specific health indices
Manninen, Henri; **Kilter, Jako**; Landsberg, Mart 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p
https://doi.org/10.1109/PQ.2019.8818245

Air-core sensors operation modes for partial discharge detection and on-line diagnostics in medium voltage networks
Kütt, Lauri; Shafiq, Muhammad; **Mõlder, Heigo**; **Järvik, Jaan**; Lehtonen, Matti Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 5-12 : ill

Alalisvoolu tagasitulek - unistus või reaalsus?
Roasto, Indrek; **Vinnikov, Dmitri**; **Blinov, Andrei**; **Chub, Andrii**; **Carvalho da Silva, Edivan Laercio** Elektriala 2023 / lk. 22-25 : ill, portr https://www.ester.ee/record=b1240496*est

Algorithm for management of energy in the microgrid DC bus
Peterson, Kristjan 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 170-174 : ill

Algorithmic presentation and estimation of the radial electrical networks 6-220 kV
Rizwanul, Kabir; Latsko, Igor; Fursanov, Mikhail; Shapiro, Ilya 35 научная конференция студентов втузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция электромеханики. Секция электроэнергетики 1991 / с. 39-40

An SVM scheme for three-level quasi-switched boost T-type inverter with Enhanced voltage gain and capacitor voltage balance
Tran, Vinh-Thanh; Nguyen, Minh-Khai; Do, Duc-Tri; **Vinnikov, Dmitri** IEEE transactions on power electronics 2021 / p. 11499-11508
https://doi.org/10.1109/TPEL.2021.3071011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis and comparison of high-frequency link converter topologies
Korkh, Oleksandr 17th International Symposium “Topical Problems in the Field of Electrical and Power Engineering”. Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 156-161 : ill
http://ise.elnet.ee/record=b2950098~S2*est

Analysis and development of protection and control functions for Li-Ion based prosumers provided by low voltage part of distribution substation [Electronic resource]
Korõtko, Tarmo; **Mägi, Marek**; **Peterson, Kristjan**; **Teemets, Raivo**; **Pettai, Elmo** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 19-24 : ill [CD-ROM]

Analysis of harmonic current stability and summation of LED lamps
Jarkovoi, Marek; **Iqbal, Muhammad Naveed**; **Kütt, Lauri** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 8 p. : ill https://doi.org/10.1109/PQ.2019.8818237

Analysis of off-grid power supply for sparsley populated areas
Vaimann, Toomas; **Janson, Kuno**; **Bolgov, Viktor**; **Kallaste, Ants** 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 175-179 : ill

Analysis of proposed microgrid electric energy management methods
Korõtko, Tarmo 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 205-209

Analysis of the traction system impact on voltage unbalance distribution in public electric networks

Sarnet, Tanel; **Kilter, Jako** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 238-241 : ill

Analysis on faulty phase grounding in medium-voltage networks with isolated neutral
Kütt, Lauri; **Järvik, Jaan** 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 281-284 : ill

Analyzing the dynamics and stability of DQ0 systems based on a Port-Hamiltonian approach
Levron, Yoash; **Kaparin, Vadim**; **Belikov, Juri** 2019 27th Mediterranean Conference on Control and Automation (MED) 2019 / p. 410-415 : ill https://doi.org/10.1109/MED.2019.8798495

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

Artificial Hummingbird Algorithm For Optimal Reconfiguration Of Electrical Distribution networks
Zahraoui, Younes; Bouhanik, Anes; **Korõtko, Tarmo**; **Rosin, Argo**; Mekhilef, Saad 2024 IEEE 22nd Mediterranean Electrotechnical Conference (MELECON) 2024 / p. 225-229 https://doi.org/10.1109/MELECON56669.2024.10608525

Artificial Intelligence in the hierarchical control of ac, dc and hybrid ac/dc microgrids – A review
Gutiérrez-Escalona, J.; Roncero-Clemente, C.; **Husev, Oleksandr**; **Matiushkin, Oleksandr**; Blaabjerg, Frede IEEE Access 2024 / 20 p https://doi.org/10.1109/ACCESS.2024.3486382

Assessment of transmission network voltage unbalance in connection of high-speed electrical railway connection
Kilter, Jako; **Sarnet, Tanel**; **Kangro, Triin** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 329-334 : ill

Avalike elektrivõrkude pinge tunnussuurused = Voltage characteristics of electricity supplied by public electricity networks
2011 https://www.ester.ee/record=b2743062*est

Avalike elektrivõrkude pinge tunnussuurused = Voltage characteristics of electricity supplied by public electricity networks
2023 https://www.ester.ee/record=b5548013*est

Avalike elektrivõrkude pinge tunnussuurused = Voltage characteristics of electricity supplied by public electricity networks
2025 https://www.ester.ee/record=b5736506*est

Avalike elektrivõrkude pinge tunnussuurused = Voltage characteristics of electricity supplied by public electricity networks
2025 https://www.ester.ee/record=b5736507*est

Avalike elektrivõrkude pinge tunnussuurused = Voltage characteristics of electricity supplied by public electricity networks [Võrguteavik]
2015 http://www.ester.ee/record=b4512339*est

Avalike elektrivõrkude pinge tunnussuurused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks
2019 https://www.ester.ee/record=b5273602*est

Avalike elektrivõrkude pinge tunnussuurused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks
2019 https://www.ester.ee/record=b5273643*est

Avalike elektrivõrkude pinge tunnussuurused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks
2019

Avati Tallinna Tehnikaülikooli elektrivõrgu arenduslabor
Elektriala 2017 / lk. 24 https://artiklid.elnet.ee/record=b2816546*est

Balti riigid lahkuvad Venemaa elektri sagedusruumist
Rajangu, Väino Elektriala 2024 / lk. 12-13 : fot https://www.ester.ee/record=b1240496*est

Bivariate stochastic model of current harmonic analysis in the low voltage distribution grid
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Daniel, Kamran**; **Jarkovoi, Marek**; **Asad, Bilal**; **Shabbir, Noman** Proceedings of the Estonian Academy of Sciences 2021 / p. 190–206 : ill https://doi.org/10.3176/proc.2021.2.08 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cable diagnostics methods for determining degradation caused by renewable energy production
Kiitam, Ivar; **Taklaja, Paul**; **Niitsoo, Jaan**; Hyvonen, Petri 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 220-224 : ill

Case study : utilities and asset management - time for a change
Kangilaski, Taivo 5th IEEE International Conference on Industrial Informatics : July 23-26, 2007, Vienna, Austria : conference proceedings. Volume 1 2007 / p. 579-584 https://ieeexplore.ieee.org/document/4384822

CENELECi standardpinged = CENELEC standard voltages (IEC 60038:2009, modified)
2012

Challenges of smart grids implementation
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 1-15 https://doi.org/10.1007/978-981-15-4627-3_1 Journal metrics at Scopus Article at Scopus

Comparison of machine learning based methods for residential load forecasting
Shabbir, Noman; **Ahmadiahangar, Roya**; **Kütt, Lauri**; **Rosin, Argo** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill https://doi.org/10.1109/PQ.2019.8818267

Comparison of renewable electricity generation options with household electrical load patterns
Auväärt, Aivar; **Rosin, Argo**; **Rosin, Kai**; **Drovtar, Imre**; **Lehtla, Madis** Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 1555-1560 : ill https://ieeexplore.ieee.org/document/6699364 https://doi.org/10.1109/IECON.2013.6699364 Conference Proceedings at Scopus Article at Scopus

Components selection of local power supply system for sparsley populated areas
Kallaste, Ants; **Vaimann, Toomas**; **Janson, Kuno**; **Bolgov, Viktor** 14th International Scientific Conference Electric Power Engineering 2013 : EPE 2013 : [proceedings] 2013 / p. 181-186 : ill

Comprehensive comparison of grid-connected flyback-based microinverter with primary and secondary side decoupling approach
Afshari, Hossein; **Husev, Oleksandr**; **Matiushkin, Oleksandr**; **Pourjafar, Saeed**; Kurdkandi, Naser Vosoughi; **Vinnikov, Dmitri** IEEE transactions on industry applications 2024 / p. 9080-9089 https://doi.org/10.1109/TIA.2024.3452069

Concept of wireless low-voltage DC socket for the residential house application
Shevchenko, Viktor; **Husev, Oleksandr**; **Pakhaliuk, Bohdan**; **Vinnikov, Dmitri**; Strzelecki, Ryszard IEEE Access 2024 / p. 143226-143236 https://doi.org/10.1109/ACCESS.2024.3471691

Conducted EMI emission evaluation considerations for test site and in-situ evaluation of DC microgrid supplied power converters
Kütt, Lauri; **Daniel, Kamran**; **Sharma, Hetal**; **Parker, Martin**; **Chub, Andrii** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p http://doi.org/10.1109/ICDCM63994.2025.11144729

Consumer electricity information exchange in free market environment
Klesment, Kristo Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 117-119 : ill

Contribution of nano- and microgrids to topological power plants regarding voltage and frequency control = Nano- ja mikrovõrkude mõju topoloogilistele elektrijaamadele pinge ja sageduse juhtimise kontekstis
Helguero Cruz, Jorge Luis 2023 https://doi.org/10.23658/taltech.60/2023 https://digikogu.taltech.ee/et/Item/ccf279f0-5c4e-4784-a6d7-a8c310ac489b https://www.ester.ee/record=b5641245*est

Current control strategy of a grid connected three-level neutral-point-clamped qZS inverter
Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Stepenko, Serhii 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 97-101 : ill

Current practice and future challenges for power quality monitoring – CIGRE WG C4.112 perspective
Kilter, Jako 2012 IEEE 15th International Conference on Harmonics and Quality of Power : proceedings of ICHQP2012 : Kowloon Shangri-La Hotel, Hong Kong, 17-20 June, 2012 2012 / p. 390-397 : ill

DC droop control strategies and tuning principles
Roasto, Indrek; **Blinov, Andrei**; **Vinnikov, Dmitri**; Mackay, Laurens; **Jalakas, Tanel** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 https://doi.org/10.1109/RTUCON60080.2023.10412947

Dc leakage current in isolated grid-connected dc nanogrid - origins and elimination methods
Azizi, Mohammadreza; **Husev, Oleksandr**; Veligorskyi, Oleksandr; Turzvnski, Marek; Strzelecki, Ryszard 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p https://doi.org/10.1109/CPE-POWERENG60842.2024.10604426

DC-ready flyback-based micro-converter
Afshari, Hossein; **Husev, Oleksandr**; **Matiushkin, Oleksandr**; **Vinnikov, Dmitri**; Roncero-Clemente, Carlos 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p https://doi.org/10.1109/CPE-POWERENG60842.2024.10604344

Dead-beat-based model predictive current control for the dual-purpose dc-dc/ac PWM modular power converter
Roncero-Clemente, Carlos; Escalona, Javier-Gutierrez; Pires, V. Fernao; **Matiushkin, Oleksandr**; Milanes-Montero, Maria Isabel; Romero-Cadaval, Enrique 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p https://doi.org/10.1109/CPE-POWERENG60842.2024.10604328

Death spiral of the legacy grid : a game-theoretic approach for studying grid defection
Navon, Aviad; **Belikov, Juri**; **Ofir, Ron**; **Parag, Yael**; **Orda, Ariel**; **Levron, Yoash** iScience 2023 / art. 106415, 17 p. : ill https://doi.org/10.1016/j.isci.2023.106415 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Demand-side Flexibility in Smart Grid
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin 2020 https://doi.org/10.1007/978-981-15-4627-3

Design and analysis of a DC solid-state circuit breaker for energy router application : [conference paper]
Rahimpour, Saeed 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 63-64 : ill https://www.ester.ee/record=b5504019*est

Design of three-phase three-level CIC T-source inverter with maximum boost control
Shults, Tatiana; **Husev, Oleksandr**; Roncero-Clemente, Carlos; **Blaabjerg, Frede**; Strzelecki, Ryszard IECON 2015 - Yokohama : 41st Annual Conference of the IEEE Industrial Electronics Society : November 9-12, 2015, Pacifico Yokohama, Yokohama, Japan 2015 / p. 004447-004452 : ill http://dx.doi.org/10.1109/IECON.2015.7392792

Development of electrical network of Tallinn University of Technology
Soots, Georg 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 88-92 : ill

Development of experimental microgrid in Tallinn University of Technology
Peterson, Kristjan 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 101-102 : ill

Digitaalsete elektrivõrkude lävel : [noorteadlaste konkursi Teadus kolme minutiga ettekanne]
Uuemaa, Madis Teadus kolme minutiga : 2017-2019 2019 / lk. 144-147 : portr., ill https://www.ester.ee/record=b5245642*est

Distributed energy laboratory concept focused on power electronics units
Poliakov, Nikolai; **Demidova, Galina**; **Zolov, Pavel** International Conference on Electromechanical and Power Systems (SIELMEN) 2021 / p. 387-392 https://doi.org/10.1109/SIELMEN53755.2021.9600330

Distributed generation - the new way for electrical networks
Leoste, Margus Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19-24, 2004 2004 / p. 51-53 : ill

Doktoritöö : vananevat elektrivõrku annab uuendada senisest odavamalt [Võrguväljaanne]
Oidermaa, Jaan-Juhan novaator.err.ee 2022 "Doktoritöö: vananevat elektrivõrku annab uuendada senisest odavamalt"

Dual-purpose dc-dc/ac PWM modular power converter as dual-output hybrid converter
Roncero-Clemente, Carlos; Gutierrez-Escalona, Javier; **Matiushkin, Oleksandr**; Husev, Oleksandr; Romero-Cadaval, Enrique; Fernao Pires, V. Renewable energy and power quality journal 2025 / p. 183-187 https://doi.org/10.52152/4563

Dual-purpose dc-dc/ac PWM modular power converter as grid-forming unit in a droop-controlled ac nanogrid
Roncero-Clemente, Carlos; Escalona, Javier-Gutiérrez; **Matiushkin, Oleksandr**; Pires, V. Fernão; Milanés-Montero, María Isabel; **Romero-Cadaval, Enrique** IECON Proceedings (Industrial Electronics Conference) IECON 2024 - 50th Annual Conference of the

IEEE Industrial Electronics Society 2024 / 6 p https://doi.org/10.1109/IECON55916.2024.10906022 Conference proceedings at Scopus Article at Scopus

Dynamic modeling and stability analysis of power networks using DQ0 transformations with a unified reference frame
Belikov, Juri; Levron, Yoash Proceedings of the Estonian Academy of Sciences 2018 / p. 368-377 : ill http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-368-377.pdf https://doi.org/10.3176/proc.2018.67.4.05 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dynamic modeling of networks, microgrids, and renewable sources in the dq0 reference frame : a survey
Baimel, Dmitry; **Belikov, Juri**; Guerrero, Joseph M.; Levron, Yoash IEEE Access 2017 / p. 21323-21335 : ill https://doi.org/10.1109/ACCESS.2017.2758523 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

EcoGrid EU Bornholmi saarel - targa võrgu prototüüp
Palu, Ivo; **Tuttelberg, Kaur** Keskkonnatehnika 2012 / lk. 22-23 https://artiklid.elnet.ee/record=b2475308*est

Eesti elektrifitseerimise esimesed arengukavad 1.
Metusala, Tiit Elektriala 2022 / lk. 28-29 : fot https://www.ester.ee/record=b1240496*est

Eesti elektrifitseerimise esimesed arengukavad 2.
Metusala, Tiit Elektriala 2022 / lk. 28-29 : fot https://www.ester.ee/record=b1240496*est

Eesti elektrivõrkude ajalugu
2020 https://www.ester.ee/record=b5298769

Eesti Energia 85! : kuidas "Elektrikeskusest" sai "Eesti Energia"
Hein, Kalju; **Metusala, Tiit** Elektriala 2024 / lk. 22-25 : fot., portr https://www.ester.ee/record=b1240496*est

Eesti Energia Kuukiri : EE kuukiri
1998 https://www.ester.ee/record=b1072035*est

Eesti Energia käiduhaldussüsteem
Kangilaski, Taivo 2004 https://www.ester.ee/record=b1953730*est

Eesti idufirma paneb elektrivõrku kasutama kuni 30 protsenti tõhusamalt
postimees.ee 2025 https://tehnika.postimees.ee/8236735/eesti-idufirma-paneb-elektrivorku-kasutama-kuni-30-protsenti-tohusamalt

Eesti põhivõrgu arenguväljavaateid
Pajo, Raine Elektriala 2003 / 3, lk. 10-11

Eesti teadlased pakuvad, kuidas rohepöördega tekkivaid elektri kvaliteedikõikumisi lahendada [Võrguväljaanne]
postimees.ee 2022 "Eesti teadlased pakuvad, kuidas rohepöördega tekkivaid elektri kvaliteedikõikumisi lahendada"

Eesti tööstus on tarka võrku investeerimisel õigel teel, kuid napib insenere : ABB podcast
geenius.ee 2024 Eesti tööstus on tarka võrku investeerimisel õigel teel, kuid napib insenere : ABB podcast

Effect of electrode shape on medium voltage covered conductor insulation durability under electric stress
Kiitam, Ivar; **Taklaja, Paul**; **Tuttelberg, Kaur** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill https://doi.org/10.1109/RTUCON.2018.8659862

Efficiency improvement of step-up series resonant DC-DC converter in buck operating mode
Sidorov, Vadim; **Chub, Andrii**; **Vinnikov, Dmitri** 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, Nov. 5-7, 2020 : conference proceedings 2020 / 6 p. : ill https://doi.org/10.1109/RTUCON51174.2020.9316574

Eksperdid kahtlevad uue Eesti-Läti elektriühenduse vajalikkuses
Voltri, Johannes err.ee 2025 https://www.err.ee/1609631458/eksperdid-kahtlevad-uue-eesti-lati-elektriuhenduse-vajalikkuses

Electrical and mechanical properties of service-aged medium voltage porcelain support insulators
Kiitam, Ivar; **Saarna, Mart**; **Taklaja, Paul**; **Tealane, Marko**; **Palu, Ivo** 2020 6th IEEE International Energy Conference (ENERGYCon) 2020 / p. 702-706 https://doi.org/10.1109/ENERGYCon48941.2020.9236596

Electrical network load monitoring
Meldorf, Mati 2008 http://www.ester.ee/record=b2368469*est

Electrical network load monitoring
Meldorf, Mati 2011 http://www.ester.ee/record=b4773521*est

Electrical network load monitoring on special days
Meldorf, Mati; **Treufeldt, Ülo**; **Kilter, Jako** Scientific proceedings of Riga Technical University. Serija 4, Power and electrical engineering 2006 / p. 19-23 : ill

Elektri varustuskindlusest
Konist, Alar Postimees 2021 / Lk. 15 https://dea.digar.ee/article/postimees/2021/02/22/14.6

Elektri varustuskindlusest
Konist, Alar; Aro, Rein Elektriala 2021 / lk. 6-9 : portr https://www.ester.ee/record=b1240496*est

Elektri võrgutasu jääb kerkima ka järgmistel aastatel
Linnart, Mart err.ee 2024 Elektri võrgutasu jääb kerkima ka järgmistel aastatel

Elektri võrgutasude hinnakiri ei lähtu üldisest majanduspoliitikast
Rajangu, Väino Elektriala 2020 / lk. 22-23 : portr http://www.ester.ee/record=b1240496*est

Elektri võrguteenuste uutest hinnakirjadest
Rajangu, Väino Elektriala 2022 / lk. 24-26 : tab https://www.ester.ee/record=b1240496*est

Elektrijaamade ja elektrivõrkude ning -süsteemide erialade inseneride ettevalmistamise efektiivsus
Esop, Harri Õppemetoodika küsimusi ; 12 1975 / lk. 45-51 : tab https://www.ester.ee/record=b1346720*est

Elektrilevi investeeringutest ja võrgu katkestustest
Rajangu, Väino Elektriala 2015 / lk. 28 https://artiklid.elnet.ee/record=b2738903*est

Elektrilevi võrgulaboris arendatakse Eesti suurimat robotit
Rammus, Kristin Mente et Manu 2017 / lk. 35 https://www.ttu.ee/public/m/mente-et-manu/MM_02_2017/index.html
https://artiklid.elnet.ee/record=b2816036*est

Elektritarkvõrgud ja virtuaalsed elektrijaamad
Rosin, Argo; **Korõtko, Tarmo** TööstusEST 2018 / lk. 32-34 : ill http://www.ester.ee/record=b4481084*est
https://toostusest.ee/uudis/2018/09/04/virtuaalsed-elektrijaamad/ https://artiklid.elnet.ee/record=b2865323*est

Elektrivarustuse tulevikuvisioonid
Lehtla, Tõnu; **Vinnal, Toomas** 2015 http://www.ester.ee/record=b4511325*est

Elektrivarustuse tulevikuvisioonid : [kõrgkooliõpik]
Lehtla, Tõnu; **Vinnal, Toomas** 2016 http://www.ester.ee/record=b4571559*est

Elektrivõrgu klientide elektripaigaldiste ühe ja kahepoolse toite mõju analüüs varustuskindlusele : lepingu nr LEP15094 aruanne [Võrguväljaanne]
Valtin, Juhan; **Tammoja, Heiki**; **Raesaar, Peeter** 2016 https://www.elektrilevi.ee/-/doc/6305157/ettevottest/uuringud/Elektrivorgu_klientide_elektripaigaldiste_yhe_ja_kahepoolse_toite_moju_analyys_varustuskindlusele.pdf

Elektrivõrgu operatiivjuhtimissüsteem
Meldorf, Mati; Tikk, Tõnis; **Kilter, Jako** 2010 http://www.ester.ee/record=b2668039*est

Elektrivõrgu operatiivjuhtimissüsteem
Meldorf, Mati; Tikk, Tõnis 2001 https://www.ester.ee/record=b1551361*est

Elektrivõrgud
Tiigimägi, Eeli 1997 https://www.ester.ee/record=b1053792*est

Elektrivõrkude arengust
Korõtko, Tarmo; **Pettai, Elmo** Elektriala 2018 / lk. 10-13 : ill http://www.ester.ee/record=b1240496*est
https://artiklid.elnet.ee/record=b2865343*est

Elektroenergeetika ettevõtete struktuur aastatel 1939-1951
Metusala, Tiit Elektriala 2020 / lk. 30-32 : ill http://www.ester.ee/record=b1240496*est

Elektroenergeetika ettevõtete struktuur aastatel 1951-1999
Metusala, Tiit Elektriala 2021 / lk. 26-28 : ill https://www.ester.ee/record=b1240496*est

Ellamaa elektrijaam. 100 aastat käivitamisest. 1.-2. osa
Metusala, Tiit Elektriala 2023 / lk. 27-29 : ill., fot., portr. ; 4, lk. 20-21 : fot https://www.ester.ee/record=b1240496*est

Energeetika - otsapidi üksnes taastuvenergia küljes
Janson, Kuno; **Kallaste, Ants**; **Bolgov, Viktor** Horisont 2013 / lk. 30-36 : ill https://artiklid.elnet.ee/record=b2606466*est

Energeetika tulevik - otsapidi tarkvõrkude küljes
Lehtla, Tõnu Horisont 2012 / lk. 32-37 : ill https://artiklid.elnet.ee/record=b2481026*est

Energia Teataja : RE Eesti Energia väljaanne = Энерговестник
1996 https://www.ester.ee/record=b1072156*est

Energia Teataja : RE Eesti Energia väljaanne = Энерговестник
1996 https://www.ester.ee/record=b1072156*est

Energia Teataja : RE Eesti Energia väljaanne = Энерговестник
1996 https://www.ester.ee/record=b1072156*est

Energiajulgeolek ja elektrivõrgud
Valtin, Juhan; **Lehtla, Tõnu** Postimees 2011 / lk. 13

Energiakadudest elektrivõrkudes
Raesaar, Peeter; **Tiigimägi, Eeli**; **Valtin, Juhan** Eesti Energia Kuukiri 1998 / lk. 7-9, 21-23 : ill
https://www.ester.ee/record=b1072035*est

Energiastrateegia, energiajulgeolek ja töökindlad elektrivõrgud
Lehtla, Tõnu; **Valtin, Juhan** Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 22-25

Energiatootmine Eestis ja lähiriikides
Konist, Alar Postimees 2020 / Lk. 6-7 : ill https://dea.digar.ee/article/ak/2020/09/19/5.1

Energy management implementation approach for droop-controlled residential DC nanogrids
Hasan, Sayeed; **Chub, Andrii**; **Yadav, Neelesh**; **Blinov, Andrei**; **Kurnitski, Jarek**; **Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p http://doi.org/10.1109/ICDCM63994.2025.11144665

Envisioning the future renewable and resilient energy grids – a power grid revolution enabled by renewables, energy storage, and energy electronics
Peng, Fang Zheng; Liu, Chen-Ching; Li, Yuan; Jain, Akshay Kumar; **Vinnikov, Dmitri** IEEE journal of emerging and selected topics in industrial electronics 2024 / p. 8-26 https://doi.org/10.1109/JESTIE.2023.3343291

Esitleti ajalooraamatut "Eesti elektrivõrkude ajalugu"
Aro, Rein Elektriala 2020 / lk. 14-15 : fot http://www.ester.ee/record=b1240496*est https://www.ester.ee/record=b5298769*est

Estimation of distribution network state on the basis of a mathematical load model
Meldorf, Mati; **Treufeldt, Ülo**; **Kilter, Jako** Oil shale 2005 / 2S, p. 161-170 https://artiklid.elnet.ee/record=b2346713*est

EU electricity market design issues and solutions for increased RES penetration
Crasta, Cletus J.; **Agabus, Hannes**; **Palu, Ivo** 2020 17th International Conference on the European Energy Market (EEM 2020) 2020 https://doi.org/10.1109/EEM49802.2020.9221997

Euroopa elektrivõrkude arengujooni
Möller, Kalju Elektriala 2001 / 1, lk. 10-13

Euroopa kobab pimeduses: miks kadus Lõuna-Euroopas ootamatult elekter?
Kivi, Krister postimees.ee 2025 https://majandus.postimees.ee/8241615/luubi-all-euroopa-kobab-pimeduses-miks-kadus-louna-euroopas-ootamatult-elekter

The evaluation of substations asset management methods cost-efficiency by using numerical simulations
Andreesen, Guido 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 83-84 : ill https://www.ester.ee/record=b5504019*est

Experimental results of parallel active filter implementation in nonideal power grid
Husev, Oleksandr; **Blinov, Andrei**; **Vinnikov, Dmitri** Technological Inovation for Value Creation : third IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2012, Costa de Caparica, Portugal, February 27-29,

2012 : proceedings 2012 / p. 291-298 : ill https://link.springer.com/chapter/10.1007/978-3-642-28255-3_32

Expert: Selling solar electricity to grid will become costlier
Pott, Toomas news.err.ee 2023 Expert: Selling solar electricity to grid will become costlier

Experts question necessity of new Estonia-Latvia electricity connection
news.err.ee 2025 https://news.err.ee/1609631540/experts-question-necessity-of-new-estonia-latvia-electricity-connection

Facing distorted current and undesirable consumption in smart grids
Niitsoo, Jaan; **Šuvalova, Jelena**; **Haas, Ats**; **Palu, Ivo**; **Taklaja, Paul** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 142-146 : ill

A family of bidirectional solid-state circuit breakers with increased safety in DC microgrids
Rahimpour, Saeed; **Husev, Oleksandr**; **Vinnikov, Dmitri** IEEE transactions on industrial electronics 2023 / p. 10919-10929 https://doi.org/10.1109/TIE.2023.3337493

Fault detection and protection strategy for multi-terminal HVDC grids using wavelet analysis
Kaur, Jashandeep; Jayasooriya, Manilka; **Iqbal, Muhammad Naveed**; **Daniel, Kamran**; **Shabbir, Noman**; **Peterson, Kristjan** Energies 2025 / art. 1147 https://doi.org/10.3390/en18051147

Fault locating in unearthed MV networks based on analysis of wave transients
Järvik, Jaan; **Panov, Valeri** The 4th International Conference Electric Power Quality and Supply Reliability : August 29...31, 2004, Pedase, Estonia : proceedings 2004 / p. 163-168

Fault prediction in power network
Kangilaski, Taivo The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 289-292

Feasibility study of a DC house connected to a conventional AC distribution network
Hokmabad, Hossein Nourollahi; **Shabir, Noman**; **Astapov, Victor**; **Petlenkov, Eduard**; **Husev, Oleksandr**; **Belikov, Juri** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p https://doi.org/10.1109/CPE-POWERENG60842.2024.10604419

Forecasting available demand-side flexibility
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 39-49 https://doi.org/10.1007/978-981-15-4627-3_4 Journal metrics at Scopus Article at Scopus

Forecasting demand-side flexibility of a household with dynamic consumer behavior analysis
Shahid, Arqum; **Ahmadiahangar, Roya**; **Rosin, Argo**; **Korõtko, Tarmo** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p https://doi.org/10.1109/ISGTEUROPE62998.2024.10863005

A framework for comprehensive impact assessment in the case of an extreme winter scenario, considering integrative aspects of systemic vulnerability and resilience
Molarius, Riitta; Tuomaala, Pekka; Piira, Kalevi; Räikkönen, Minna; Aubrecht, Christoph; Polese, Maria; Zuccaro, Giulio; Pilli-Sihvola, Karoliina; **Rannat, Kalev** CMES - Computer Modeling in Engineering and Sciences 2015 / p. 131 - 158 https://www.techscience.com/CMES/v109-110n2/27295 https://doi.org/10.3970/cmes.2015.109.131 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Front-end active rectifier for grid-connected PMSG based wind turbines
Husev, Oleksandr; Bisenieks, Lauris; **Vinnikov, Dmitri** Вісник Чернігівського державного технологічного університету. Серія "Технічні науки" = Journal of Chernigiv State Technological University 2011 / p. 132-138 : ill

Full SiC three‐level T‐type quasi‐Z source inverter as grid‐forming unit in islanded nanogrid
Gutiérrez-Escalona, Javier; Roncero‐Clemente, Carlos; **Matiushkin, Oleksandr**; González‐Romera, Eva; Pires, V. Fernão; Romero‐Cadaval, Enrique IET renewable power generation 2025 / art. e70051 https://doi.org/10.1049/rpg2.70051

Grid-connected PV system based on a single-phase three-level qZS inverter
Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Stepenko, Serhii Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5979-5984 : ill https://doi.org/10.1109/IECON.2013.6700116 Conference Proceedings at Scopus Article at Scopus

Grid-connected solar PV power plants optimization: a review
Zidane, Tekai Eddine Khalil; Aziz, Ali Saleh; **Zahraoui, Younes**; Kotb, Hossam; Aboras, Kareem M.; Kitmo; Jember, Yosef Berhan IEEE Access 2023 / p. 79588-79608 https://doi.org/10.1109/ACCESS.2023.3299815 Journal metrics at Scopus Article at Scopus Journal

metrics at WOS Article at WOS

Grundlagen der Rationalisierung von Mittelspannungsnetzen
Novod, F.; **Randmer, Uudus-Gerhard** Energietechnik 1969 / S. 117-119 https://www.ester.ee/record=b1499825*est

Hajusa elektritootmise populaarsus võib tõugata elektrivõrgud surmaspiraali
Belikov, Juri novaator.err.ee 2024 Hajusa elektritootmise populaarsus võib tõugata elektrivõrgud surmaspiraali

High-efficiency quad-mode parallel PV power optimizer for DC microgrids
Sidorov, Vadim 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 59-60 : ill https://www.ester.ee/record=b5504019*est

Hoone elektrisüsteemi innovatsioonid ja aruka võrgu arendus
Saikovski, Valeri; **Teemets, Raivo** Taastuvate energiaallikate uurimine ja kasutamine : neljateistkümnenda konverentsi kogumik = Investigation and Usage of Renewable Energy Sources : fourteenth conference proceedings : [8. nov. 2012, Tartu] 2012 / lk. 88-97 : ill

IEC 61850 and measurements
Dmitrenko, Igor Elektronika ir elektrotechnika = Electronics and electrical engineering 2011 / p. 106-110 : ill

Implementation issues of droop controlled DC nanogrids: State of charge management of battery energy storage and impact of sensor gain tolerance
Hasan, Sayeed; **Chub, Andrii**; **Blinov, Andrei**; **Vinnikov, Dmitri** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 6 p https://doi.org/10.1109/RTUCON62997.2024.10830832

Implementation of a web-based remote control system for qZS DAB application using low-cost ARM platform
Korzeniewski, Marek; Kulikowski, Krzysztof; **Zakis, Janis**; Jasiński, Marek Tomasz; Malinowski, Aleksander Bulletin of the Polish Academy of Sciences: Technical Sciences 2016 / p. 887-896 https://doi.org/10.1515/bpasts-2016-0097 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Improved quantification of partial discharges for reliable diagnostics of multipath connections in MV substations
Shafiq, Muhammad; **Kiitam, Ivar**; Isa, Muzamir; **Taklaja, Paul**; **Palu, Ivo**; **Kütt, Lauri** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2021 / 6 p
https://doi.org/10.1109/RTUCON53541.2021.9711585

Inaccuracies and uncertainties for harmonic estimation in distribution networks
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Daniel, Kamran**; **Shabbir, Noman**; Amjad, Anas; Awan, Abdul Waheed; Ali, Majid Sustainability 2024 / art. 6523 https://doi.org/10.3390/su16156523

An information modeling method for electric micro grids
Korõtko, Tarmo 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 205-208 : ill

Informational modelling of FSM networks
Keevallik, Andres; **Kruus, Margus**; **Udre, Jüri** Proceedings of the 4th International Workshop Mixed Design of Integrated Circuits and Systems : MIXDES'97 : Poznan, Poland, 12-14 June 1997 1997 / p. 167-172

Inrush current measurement and modeling practical cases and primary methods
Tinno, Jan Markus; **Kütt, Lauri**; **Parker, Martin**; **Kulikov, Jan**; **Jaanus, Martin** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 5 p
https://doi.org/10.1109/RTUCON62997.2024.10830806

Inseneriõpingud viisid teele, kus sõit kiire ja võimalused piiritud
Pent, Brenda TööstusEST 2024 / lk. 20-21 : fot https://www.ester.ee/record=b4481084*est

Integration of control and protection systems in power networks
Berkman, Rait; **Meldorf, Mati**; **Tammoja, Heiki** Oil shale 2005 / 2S, p. 209-216 : ill https://artiklid.elnet.ee/record=b2346719*est

Intelligentne trafo – nutikate elektrivõrkude tulevik
Beldjajev, Viktor Studioosus 2011 / lk. 32

Introduction to minimize sunk costs in electricity network tariff = Sissejuhatus uppunud kulude minimeerimiseks elektrivõrgu tariifis
Mere, Tarmo 2019 https://digikogu.taltech.ee/et/Item/49d2b3b6-b570-4958-abda-7e898286eea0

Investeeringud kõrge- ja keskpingevõrku tagavad jätkusuutliku arengu

Pajo, Raine Elektriala 2004 / 4, lk. 7-9 : ill

Investigating different sources of flexibility in power system
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 27-37 https://doi.org/10.1007/978-981-15-4627-3_3 Journal metrics at Scopus Article at Scopus

Javad Keypour: koduse päikesejaama liitumiskulude kasv ja rohekokkulepe
Keypour, Javad err.ee 2025 https://www.err.ee/1609666073/javad-keypour-koduse-paikesejaama-liitumiskulude-kasv-ja-rohekokkulepe

Julgeolekuohud Balti riikide merealuste ühendustega seotud kriitilisele taristule: Läänemeri hübriidsõja tulipunktis
Muuga, Emilia; Loik, Ramon; Kaup, Georg-Henri; **Savimaa, Raul**; Koort, Erkki 2025 https://doi.org/10.15158/sra3-5651 https://digiriiul.sisekaitse.ee/handle/123456789/3579 https://www.ester.ee/record=b5731083*est

Jüri Laurson : Narva põlevkivielektrijaamad tuleb kiiresti renoveerida [Võrguväljaanne]
,
Narva põlevkivielektrijaamad tuleb kiiresti renoveerida [Võrguväljaanne]
Laurson, Jüri ohtuleht.ee 2022 "Narva põlevkivielektrijaamad tuleb kiiresti renoveerida"

230/400 contra 220/380
Risthein, Endel Energiavarustus ja -sääst. Informatsiooniseeria 17 : bülletään 1989 / lk. 1-7 https://www.ester.ee/record=b1248096*est

Kas muudame tehtud otsuseid?
Rajangu, Väino Postimees 2019 / lk. 15 Väino Rajangu: kas muudame tehtud otsuseid?

Kas tarbija elektri kvaliteeti saaks senisest lihtsamalt parandada? [Võrguväljaanne]
digi.geenius.ee 2022 "Kas tarbija elektri kvaliteeti saaks senisest lihtsamalt parandada?"

3-faasilise järgivsüsteemi häirekindluse uurimine
Vellamäe, U.; **Pikkov, Otto** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 45 https://www.ester.ee/record=b2449987*est

Kompaktluminofoorlampide kasutuselevõtu mõju elektrivõrgule
Niitsoo, Jaan TalveAkadeemia 2011 : teaduslikud lühiartiklid 2011. Kogumik 9 2011 / lk. 40-47 : ill

Kui pikk peab olema elektrikatkestus
Valdna, Vello Tallinna Tehnikaülikooli aastaraamat 2003 2004 / lk. 169-170

Käesoleval aastal juba kolmas elektri võrguteenuse hinnakiri
Rajangu, Väino Elektriala 2022 / lk. 24-25 https://www.ester.ee/record=b1240496*est

10 küsimust Eesti Energiale
Rajangu, Väino Eesti Päevaleht 2004 / lk. 3 https://epl.delfi.ee/artikkel/50978605/vaino-rajangu-10-kusimust-eesti-energiale

LC circuit with alternating parallel and series resonance in switch-mode converters
Janson, Kuno; **Järvik, Jaan**; **Šklovski, Jevgeni** The 3rd International Conference Electric Power Quality and Supply Reliability, September 4...6, 2002, Haapsalu, Estonia : proceedings 2002 / p. 91-94 : ill

LC circuit with parallel and series resonance alternation in switch-mode converters = Paralleel- ja järjestikresonantsi vaheldumisega LC ahel lülitussageduslikes muundurites
Šklovski, Jevgeni 2007 https://www.ester.ee/record=b2238343*est

Leveraging digital twins and demand side recommender Chatbot for optimizing smart grid energy efficiency
Onile, Abiodun Emmanuel; **Belikov, Juri**; **Petlenkov, Eduard**; Levron, Yoash 2023 IEEE PES Innovative Smart Grid Technologies - Asia, ISGT Asia 2023 2023 / 5 p https://doi.org/10.1109/ISGTAsia54891.2023.10372761

Liigpingepiirikud
Oidram, Rein; **Metusala, Tiit**; **Oidram, Rein**; **Teemets, Raivo**; Riit, Tarmo 2009 https://www.ester.ee/record=b2536957*est

Liigpingepiirikud
Oidram, Rein; **Tammoja, Heiki** 2004 https://www.ester.ee/record=b2006452*est

Liigpingepiirikud
Terno, Olaf; **Metusala, Tiit**; **Tammoja, Heiki** 2004 https://www.ester.ee/record=b2006459*est

A linear integer programming model for fault diagnosis in active distribution systems with bi-directional 'fault monitoring devices installed
Wang, Chongyu; Pang, Kaiyuan; Xu, Yan; **Wen, Fushuan**; **Palu, Ivo**; Feng, Changsen IEEE Access 2020 / p. 106452-106463
https://doi.org/10.1109/ACCESS.2020.2999519 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Maandamine ja potentsiaaliühtlustus
Risthein, Endel 2004 https://www.ester.ee/record=b1891004*est

Madalpingelised aparaadikoosted. Osa 5, Avalike elektrivõrkude elektrijaotuskoosted = Low-voltage switchgear and controlgear assemblies. Part 5, Assemblies for power distribution in public networks (IEC 61439-5:2023)
2023 https://www.ester.ee/record=b5641184*est

Madalpingelised aparaadikoosted. Osa 5, Avalike elektrivõrkude elektrijaotuskoosted [Võrguteavik] = Low-voltage switchgear and controlgear assemblies. Part 5, Assemblies for power distribution in public networks (IEC 61439-5:2014)
2015 http://www.ester.ee/record=b4502269*est

Madis Mosona - 50 aastat Eesti Energias
Mosona, Madis Elektriala 2015 / lk. 10-13 : fot https://artiklid.elnet.ee/record=b2748605*est

Mathematical modeling and stability analysis of a microgrid in island operation
Beg, Nauman; **Armstorfer, Andreas**; **Rosin, Argo**; **Biechl, Helmuth** 2018 International Conference on Smart Energy Systems and Technologies (SEST), 10-12 September, 2018, Seville, Spain : conference proceedings 2018 / 6 p. : ill
https://doi.org/10.1109/SEST.2018.8495694

Microgrid control and electricity auction
Korõtko, Tarmo 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 242-245 : ill

MicroGRID, ehk, väike-tarkvõrk Tallinna Tehnikaülikoolis
Rosin, Argo Elektriala 2012 / lk. 22-24 : ill https://artiklid.elnet.ee/record=b2537298*est

Mida tarbija võidab Eleringi arengukavast?
Rajangu, Väino Õhtuleht 2014 / lk. 8 https://www.ohtuleht.ee/589148/kommentaar-mida-tarbija-voidab-eleringi-arengukavast

Mikrovõrk võimaldab energiakasutust tõhusamalt juhtida
Alvela, Ain TööstusEST 2024 / lk. 26-29 : ill https://www.ester.ee/record=b4481084*est

Modelling of high-speed electrical railway system for transmission network voltage quality analysis : Rail Baltic case study
Kilter, Jako; **Sarnet, Tanel**; **Kangro, Triin** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 323-328 : ill

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

Modelling transmission systems in energy system analysis : a comparative study
Gunkel, Philipp A.; **Koduvere, Hardi**; Kirkerud, Jon Gustav Journal of environmental management 2020 / art. 110289
https://doi.org/10.1016/j.jenvman.2020.110289 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Models for modern power distribution system planning = Kaasaegsete jaotusvõrkude planeerimise mudelid
Mishra, Sambeet 2018 https://digi.lib.ttu.ee/i/?11198 https://www.ester.ee/record=b5176778*est

Müstilised võrgutasud
Rajangu, Väino Meie Maa 2013 / lk. 2

Naroowa weejõu kasutamise kawa
1922 https://www.ester.ee/record=b1237610*est

National Implementation in Estonia of COMMISSION REGULATION (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators
Kilter, Jako 15th Wind Integration Workshop : International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants : 15-17 November 2016, Vienna, Austria 2016 / p. 1-6

46 miljardit krooni on mõistlik investeering : [Eesti elektroenergeetikasüsteemi]

Ots, Arvo Eesti Päevaleht 2004 / 11. veebr., lk. 11 https://arileht.delfi.ee/artikkel/50976280/46-miljardit-krooni-on-moistlik-investeering

Network quality indicators and overview of long-term load forecasting models
Laanetu, Margus; **Hõbejõgi, Tiit** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 192-196 : ill

New approaches for increasing demand-side flexibility
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 51-62 https://doi.org/10.1007/978-981-15-4627-3_5 Journal metrics at Scopus Article at Scopus

New converter for interfacing PMSG based small-scale wind turbine with residential power network [Electronic resource]
Bisenieks, Lauris; **Vinnikov, Dmitri**; Galkin, Ilja CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 354-359 [CD-ROM] https://ieeexplore.ieee.org/abstract/document/5942260

A new high step-up switched-capacitor/inductor based DC-DC converter
Mashinchi Maheri, Hamed; Saadatizadeh, Zahra; Chavoshipour Heris, Pedram; Babaei, Ebrahim; Vinnikov, Dmitri 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 15-17 Nov. 2021 : conference proceedings 2021 / p. 1-5 https://doi.org/10.1109/RTUCON53541.2021.9711590

New operation strategy for a grid-connected three-phase three-level NPC qZS inverter based on power losses
Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr**; Martins, Joao Elektronika ir elektrotechnika = Electronics and electrical engineering 2016 / p. 60 - 65 https://doi.org/10.5755/j01.eie.22.3.15316 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Non-intrusive load monitoring based smart energy management system for smart buildings
Jawad, Muhammad; **Shabbir, Noman**; **Ahmadiahangar, Roya**; **Rosin, Argo**; Khaleel, T.; Tahir, W. 2024 7th International Conference on Information and Computer Technologies (ICICT) : proceedings 2024 / p. 46-50 https://doi.org/10.1109/ICICT62343.2024.00014

Novel droop control strategy for indirect battery management in DC nanogrids
Roasto, Indrek; **Vinnikov, Dmitri**; **Blinov, Andrei** Proceedings of the Estonian Academy of Sciences 2024 / p. 345-355 https://doi.org/10.3176/proc.2024.4.03

Novel dual-purpose cost-effective forward-based micro-converter
Afshar, Hossein; **Husev, Oleksandr**; **Matiushkin, Oleksandr**; **Vinnikov, Dmitri** 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p http://doi.org/10.1109/ICDCM63994.2025.11144743

A novel single-phase common-grounded converter based on switched-capacitor
Kurdkandi, Naser Vosoughi; **Husev, Oleksandr**; **Matiushkin, Oleksandr**; **Vinnikov, Dmitri**; Gao, Wei; Chunting, Chris Mi IEEE transactions on power electronics 2024 / p. 16201-16216 https://doi.org/10.1109/TPEL.2024.3444769

Obstacles to proper operation of substation telematics
Dimitrenko, Igor 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 93-98 : ill

Olukord kontrolli all. Eelmise talve gaasi- ja elektrivarustuse paanika jääb tänavu Eestis ära
Raig, Tanel Eesti Päevaleht 2023 / Lk. 12-13 https://dea.digar.ee/article/eestipaevaleht/2023/06/21/11.4

On the concept of flexibility in electrical power systems : signs of inflexibility
Ahmadiahangar, Roya; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 17-26 https://doi.org/10.1007/978-981-15-4627-3_2 Journal metrics at Scopus Article at Scopus

On the local and global optimums in distribution feeder reconfiguration
Terno, Olaf Oil shale 2005 / 2S, p. 171-180 : ill https://artiklid.elnet.ee/record=b2346715*est

Optimal dispach in condensing power plant under probabilistic information
Tammoja, Heiki; **Valdma, Mati**; **Keel, Matti** Proceedings of First International Symposium on Distributed Generation 2001 / p. 7

Optimal load dispatch in power plant under probabilistic and uncertain information
Tammoja, Heiki; **Valdma, Mati**; **Keel, Matti** WSEAS transactions on power systems 2006 / p. 754-759 : ill

Optimal load dispatch in power plant under uncertain information
Tammoja, Heiki; **Valdma, Mati**; **Keel, Matti** Proceedings of the 2006 IASME/WSEAS International Conference on Energy & Environmental Systems : Chalkida, Greece, May 8-10, 2006 2006 / p. 213-217 : ill
https://www.researchgate.net/publication/298547148_Optimal_load_dispatch_in_power_plant_under_probabilistic_information

Overview - pumped-hydro energy storage for balancing wind energy forecast errors
Raudsaar, Urmas; **Drovtar, Imre**; **Rosin, Argo** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 133-138 : ill

An overview of measurement standards for power quality
Shabbir, Noman; **Kütt, Lauri**; **Jarkovoi, Marek**; **Iqbal, Muhammad Naveed**; **Rassõlkin, Anton**; **Daniel, Kamran** Agronomy research 2021 / p. 944−960 https://doi.org/10.15159/ar.21.074 Journal metrics at Scopus Article at Scopus

P3R : partial power postregulated gridforming converter for prosumer DC buildings
Carvalho da Silva, Edivan Laercio; **Chub, Andrii**; **Hassanpour, Naser**; **Blinov, Andrei**; Rathore, Akshay Kumar; **Vinnikov, Dmitri** IEEE transactions on industrial electronics 2025 / p. 1628-1637 https://doi.org/10.1109/TIE.2024.3423358

Pingekvaliteet elektrituulikuid sisaldavas nõrgas elektrivõrgus
Palu, Ivo Taastuvate energiaallikate uurimine ja kasutamine : seitsmenda konverentsi kogumik : [13. okt. 2005], Tartu, Estonia 2006 / lk. 25-30 : ill

Possibilities to optimize low voltage network investments in rural areas = Võimalused madalpingevõrgu investeeringute optimeerimiseks maapiirkonnas
Hõbejõgi, Tiit 2016 https://digi.lib.ttu.ee/i/?4123 https://www.ester.ee/record=b4556548*est

Practical method for mitigating three-phase unbalance based on data-driven user phase identification
Liu, Shengyuan; Cui, Xueyuan; Lin, Zhenzhi; **Wen, Fushuan** IEEE transactions on power systems 2020 / p. 1653-1656 : ill https://doi.org/10.1109/TPWRS.2020.2965770

Preparation of industrial robot systems for work in intelligent power networks
Beldjajev, Viktor; **Lehtla, Tõnu** 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 71-74

Professor : Eesti ei peaks Vene elektrisüsteemist kergekäeliselt lahkuma
Põlendik, Kadri; Luts, Janek err.ee 2022 / fot Professor : Eesti ei peaks Vene elektrisüsteemist kergekäeliselt lahkuma

Professor Ivo Palu südameasjaks on mõõtmised
Aru, Erik Mente et Manu 2015 / lk. 12-13 : fot https://www.ester.ee/record=b1242496*est

Professor: energiakriisi aitab leevendada internetilaadne elektrivõrk [Võrguväljaanne]
Oidermaa, Jaan-Juhan novaator.err.ee 2022 Professor: energiakriisi aitab leevendada internetilaadne elektrivõrk

PV-battery assisted three-level T-Type inverter for AC residential nanogrid realized with small-scale HIL units
Gutierrez-Escalona, Javier; **Roncero-Clemente, Carlos**; Gonzalez-Romera, Eva; Milanes-Montero, Maria Isabel; Husev, Oleksandr; Romero-Cadaval, Enrique IEEE Access 2023 / p. 48007 - 48021 https://doi.org/10.1109/ACCESS.2023.3276235 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Põlevkivienergeetikale ei ole Eestis tõsist alternatiivi
Ots, Arvo Äripäev 2004 / 27. mai, lk. 23 https://www.aripaev.ee/uudised/2004/05/26/polevkivienergeetikale-ei-ole-eestis-tosist-alternatiivi

Rahvusvaheline elektritoite kvaliteedi ja elektrivarustuskindluse konverents - PQ2012
Keskkonnatehnika 2012 / lk. 9 https://artiklid.elnet.ee/record=b2526343*est

Rahvusvaheline konverents elektritoite kvaliteedist ja elektri varustuskindlusest - PQ2012 : [eelinfo]
Inseneeria 2012 / lk. 4

Reactive power sharing and voltage control for islanded microgrids at low voltage level
Helguero Cruz, Jorge Luis; Hutter, T.; **Armstorfer, Andreas**; **Rosin, Argo**; **Biechl, Helmuth** 17th International Symposium “Topical Problems in the Field of Electrical and Power Engineering”. Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 133-137 : ill http://ise.elnet.ee/record=b2950045~S2*est

Reduction of network harmonics using PWM-rectifiers
Ollila, J. Тезисы докладов семинара "Новые направления научных исследований в области электромеханики" 1991 / с. 25-28.: ил

Reliability framework for power network assessment
Mishra, Sambeet; Bordin, Chiara; Fornes, Jordi Mateo; **Palu, Ivo** 2018 International Conference on Renewable Energy and Environment Engineering (REEE 2018) 2019 / art. 02005, 7 p. . ill https://doi.org/10.1051/e3sconf/20198002005 Conference proceedings at Scopus Article at Scopus Article at WOS

Residential grids power quality analyses concerning nonlinear consumer loads and PV panels = Madalpingevõrgu elektrikvaliteedi analüüs seoses ebalineaarsete elektrienergia tarbijate ja päikesepaneelidega
Niitsoo, Jaan 2016 https://digi.lib.ttu.ee/i/?6995 https://www.ester.ee/record=b4640583*est

Residential load forecasting using recurrent neural networks
Shabbir, Noman; **Ahmadiahangar, Roya**; **Raja, Hadi Ashraf**; **Kütt, Lauri**; **Rosin, Argo** 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings 2020 / p. 478-481 : ill https://doi.org/10.1109/CPE-POWERENG48600.2020.9161565

Results of thermographic diagnostics of electric grid contact junctions and generators of oil shale power plants
Dorovatovski, Nikolai; **Liik, Olev** Oil shale 2005 / 2S, p. 243-257 : ill https://artiklid.elnet.ee/record=b2346725*est

Robust stability region of PI controllers for an interval time delayed load frequency control
Ghorbani, Majid; **Nosrati, Komeil**; **Tepljakov, Aleksei**; **Belikov, Juri**; **Petlenkov, Eduard** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p https://doi.org/10.1109/ISGTEUROPE62998.2024.10863205

Rohepöörde ning ringmajanduse mõjud ja võimalused?
Rosin, Argo Elektriala 2021 / lk. 8-9 : fot https://www.ester.ee/record=b1240496*est

Rohepööre, energeetika proovikivi
Konist, Alar Horisont 2021 / lk. 18-24 : fot https://www.ester.ee/record=b1072243*est

100 aastat Eesti esimese „ülemaa liini", Ellamaa-Haapsalu 15 kV, käivitamisest!
Rebane, Raivo; **Metusala, Tiit** Elektriala 2023 / Lk. 24-26 https://www.ester.ee/record=b1240496*est

100 aastat tagasi jõudis Eestisse 35 kV, järg
Metusala, Tiit Elektriala 2024 / 2, lk. 28-30 fot., portr. ; 3, lk. 28-29 : fot https://www.ester.ee/record=b1240496*est

Salvestiga mikrovõrk edendab hajustootmist : [TTÜ energeetikateaduskonna doktorandi Tarmo Korõtko sõnul]
Feldmann, Mati TööstusEST 2016 / lk. 20-23 : ill https://artiklid.elnet.ee/record=b2756749*est

Scalable and efficient authentication scheme for secure smart grid communication
Hammami, Hamza; **Ben Yahia, Sadok**; Obaidat, Mohammad S. IET Networks 2020 / p. 165-169 https://doi.org/10.1049/iet-net.2019.0225 Journal metrics at Journal Article at Scopus Journal metrics at WOS Article at WOS

Security assessment of transmission network
Medvedeva, Viktoria 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 104-107 : ill

Security Threats to the Undersea Connections Related Critical Infrastructure of the Baltic States: Baltic Sea in the Focus of Hybrid Warfare
Muuga, Emilia; Loik, Ramon; Kaup, Georg-Henri; **Savimaa, Raul**; **Koort, Erkki** 2025 https://www.ester.ee/record=b5738415*est

Short-circuit currents calculation algorithm in street lighting networks
Armas, Jelena; **Varjas, Toivo**; **Ivanov, Aleksandr** 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 7-10 : ill http://www.ester.ee/record=b4650094*est

Simplified DFT with sorted accumulation of input samples
Märtens, Olev BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 329-332 : ill

Simulation of grid connected three-level neutral-point-clamped qZS inverter using PSCAD
Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Stepenko, Serhii Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 14-19 : ill

Soft-start procedure for DC microgrid fed by PWM-controlled DAB converter
Carvalho, Edivan Laercio; **Blinov, Andrei**; **Chub, Andrii**; **Vinnikov, Dmitri** 2025 IEEE 19th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2025 / 6 p https://doi.org/10.1109/CPE-POWERENG63314.2025.11027167

Stability and eigenvalue sensitivity analysis of a BESS model in a microgrid
Rahmoun, Ahmad; Beg, Nauman; **Rosin, Argo**; **Biechl, Helmuth** 2018 IEEE International Energy Conference (ENERGYCON 2018) : Limassol, Cyprus 3-7 June 2018 2018 / p. 342-347 : ill http://dx.doi.org/10.1109/ENERGYCON.2018.8398792

State of the art in research on microgrids realtime studies
Ahmadiahangar, Roya 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 67-68
https://www.ester.ee/record=b5183874*est

Stochasticity of the electrical network load
Meldorf, Heiki; **Täht, T.**; **Kilter, Jako** Oil shale 2007 / 2S, p. 225-236 : ill https://www.semanticscholar.org/paper/STOCHASTICITY-OF-THE-ELECTRICAL-NETWORK-LOAD-Meldorf-T%C3%A4ht/ba9fcafe43fd6d33cd09033fab4f277bd307785d

Strategy for analysis of loss situation and identification of loss sources in electricity distribution networks
Raesaar, Peeter; **Tiigimägi, Eeli**; **Valtin, Juhan** Oil shale 2007 / 2S, p. 297-307
https://www.researchgate.net/publication/228789489_Strategy_for_analysis_of_loss_situation_and_identification_of_loss_sources_in_electricity_distribution_networks

Stromrichter mit der parametrischen Blindleistungskompensation und Strombegrenzung (PKB-Stromrichter) - eine billige netzfreundliche Schaltung für die Gleichstrom-Lichtbogenöfen
Janson, Kuno; **Järvik, Jaan** 4. Internationaler Workshop Oberschwingungen und Flicker, 22.-24. März 1995 / Veranstalter: Institut für Elektrische Anlagen, Technische Universität Graz, Austria 1995 / Bl. [108-118]: III

Study of overvoltages upon single-phase ground fault initialisation and arcing processes on MV networks with isolated neutral
Kütt, Lauri; **Järvik, Jaan**; **Sepping, Eino** The 4th International Conference Electric Power Quality and Supply Reliability : August 29...31, 2004, Pedase, Estonia : proceedings 2004 / p. 139-143 : ill

Study of the effects of single phase ground faults to the voltage transformers in the 10 kV medium voltage power networks
Janson, Kuno; **Järvik, Jaan**; **Külm, Evald**; **Kütt, Lauri**; **Šklovski, Jevgeni** 48. Internationales Wissenschaftliches Kolloquium, 22.-25.09.2003, Technische Universität Ilmenau, Germany 2003 / p. 583-584 : ill

Study of the effects of single phase ground faults to the voltage transformers in the 10 kV medium voltage power networks [Electronic resource]
Janson, Kuno; **Järvik, Jaan**; **Külm, Evald**; **Kütt, Lauri**; **Šklovski, Jevgeni** 48. Internationales Wissenschaftliches Kolloquium, 22.-25.09.2003, Technische Universität Ilmenau, Germany : proceedings and our portrait 2003 / [10] p. : ill. [CD-ROM]

Study of transformer overvoltages under single-phase earth faults in 6...35 kV networks with insulated neutral point [Electronic resource]
Janson, Kuno; **Järvik, Jaan**; **Kalda, Heljut**; **Külm, Evald**; **Šklovski, Jevgeni** Electric Power Engineering 2003 : 5th International Scientific Conference : January 28-29, 2003, Beskydy Pension, Visalaje, Czech Republic : held by occasion of 25th Anniversary of Department of Electrical 2003 / [17] p. : ill. [CD-ROM]

Super resolution perception for smart meter data
Liu, Guolong; Gu, Jinjin; Zhao, Junhua; Wen, Fushuan; Liang, Gaoqi Information sciences 2020 / p. 263-273 : ill
https://doi.org/10.1016/j.ins.2020.03.088

Suured muutused energeetikas - meie valikutest sõltub nende mõju
Rosin, Argo TööstusEST 2022 / lk. 44-47 : ill http://www.ester.ee/record=b4481084*est https://toostusest.ee/uudis/2022/12/16/suured-muutused-energeetikas-meie-valikutest-soltub-nende-moju/

Tallinna Linna elektrivõrk 105!
Metusala, Tiit Elektriala 2018 / lk. 28-30 : ill http://www.ester.ee/record=b1240496*est https://artiklid.elnet.ee/record=b2836194*est

TalTech professor urges network fee pricing revamp, keeping oil shale
Konist, Alar news.err.ee 2023 TalTech professor urges network fee pricing revamp, keeping oil shale

Targale wind farm connection studies and Grid Code compliance assessment
Sarnet, Tanel; **Kilter, Jako** 2022

Tark elektrivõrk Smart grid
Preden, Jürgo-Sören Keskkonnatehnika 2011 / 8, lk. 28-29 https://keskkonnatehnika.ee/wp-content/uploads/2017/09/KKT_2011_08.pdf

Tarkvõrk : terminoloogia = Smart grid : terminology [Võrguteavik]
2016 http://www.ester.ee/record=b4615584*est

Tartu katsetab uut ideed: paneme tänavavalgustuse alaliselt tööle!
Ladva, Asso Õhtuleht 2023 Tartu katsetab uut ideed: paneme tänavavalgustuse alaliselt tööle!

Tehnoloogiaettevõte Gridraven lisab elektrivõrgule särtsu
Vaaks, Eveliis Trialoog 2025 https://trialoog.taltech.ee/tehnoloogiaettevote-gridraven-lisab-elektrivorgule-sartsu/

Temperature dependency of electrical network load
Meldorf, Mati; **Treufeldt, Ülo**; **Kilter, Jako** Oil shale 2007 / 2S, p. 237-247 : ill
https://www.researchgate.net/publication/228631520_Temperature_dependency_of_electrical_network_load

The development and assessment of HVAC cable models for electrical transmission network planning studies = Kõrgepingeliste kaabelliinide mudelite arendamine ja analüüs elektrivõrgu planeerimisülesannete raamistikus
Kangro, Triin 2018 https://digi.lib.ttu.ee/i/?11205 https://www.ester.ee/record=b5181775*est

The invisible front : a cyber resilience perspective
Bahsi, Hayretdin The geopolitics of power grids : political and security aspects of Baltic electricity synchronization : March 2018 2018 / p. 53–68 : ill https://www.ester.ee/record=b5053315*est

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

The role of storage degradation in energy management problems: an optimal control perspective
Chowdhury, Nilanjan Roy; **Belikov, Juri**; Beck, Yuval; Levron, Yoash; Baimel, Dmitry Journal of Energy Storage 2023 / art. 107412, 10 p https://doi.org/10.1016/j.est.2023.107412 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The study about indefinite fault causes in Estonian 110 kV power grid
Taklaja, Paul; **Oidram, Rein** PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 177-182 : ill

Thermographic diagnostics of electrical equipment of Eesti Energia Ltd.
Dorovatovski, Nikolai 2004 http://www.ester.ee/record=b1987660*est

Time dependency of current harmonics for switch-mode power supplies
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Asad, Bilal**; **Vaimann, Toomas**; **Rassõlkin, Anton**; Demidova, Galina Applied sciences 2020 / art. 7806, 12 p. : ill https://doi.org/10.3390/app10217806 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tootmispraktika : juhendid ja programmid elektrisüsteemide eriala (0302) üliõpilastele
1987 https://www.ester.ee/record=b2624296*est

Topology morphing control with soft transients for multimode series resonant DC-DC converter
Sidorov, Vadim; **Chub, Andrii**; **Vinnikov, Dmitri** 2021 IEEE 22nd International Conference of Young Professionals in Electron Devices and Materials (EDM) 2021 / p. 331−336 https://doi.org/10.1109/EDM52169.2021.9507621

Towards modern electricity grids
Pikner, Rando 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 113-116 : ill

TTÜ professor soovitas muuta elektri võrgutasude hinnastamist ja jätkata põlevkivienergeetikaga
Ots, Mait err.ee 2023 TTÜ professor soovitas muuta elektri võrgutasude hinnastamist ja jätkata põlevkivienergeetikaga Energeetikaprofessor Alar Konist: põlevkivi ja põlevkivitehnoloogiat võiksime ka tulevikus kasutada

TTÜ professor: päikeseelektri võrku müümine läheb müüjale pigem kallimaks
Pott, Toomas err.ee 2023 TTÜ professor: päikeseelektri võrku müümine läheb müüjale pigem kallimaks

TTÜs avati uus arenduslabor
Elektriala 2016 / lk. 34-35 : fot https://artiklid.elnet.ee/record=b2808856*est

Tugevvoolupaigaldised nimivahelduvpingega üle 1 kV ja alalispingega üle 1,5 kV. Osa 2, Alalispinge = Power installations exceeding 1 kV AC and 1,5 kV DC. Part 2, DC (IEC 61936-2:2023)
2025 https://www.ester.ee/record=b5731284*est

Tulevasi elektriinsenere ootab ees avar tööpõld
Alvela, Ain TööstusEST 2023 / lk. 26-27 https://www.ester.ee/record=b4481084*est

Tuuletont
Tomson, Teolan Keskkonnatehnika 2004 / 6, lk. 46-47 : ill https://artiklid.elnet.ee/record=b1017254*est

20-110 kV network development plan for Saaremaa
Ojangu, Jaanus; **Kilk, Kalle** 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 108-112 : ill., map

Tühjad ümbrised madalpinge lülitus- ja juhtaparaadikoostetele : üldnõuded = Empty enclosures for low-voltage switchgear and controlgear assemblies : general requirements (IEC 62208:2023)
2023 https://www.ester.ee/record=b5641220*est

Type models of electrical network load
Meldorf, Mati; **Kilter, Jako** Oil shale 2009 / 3S, p. 243-253 : ill https://artiklid.elnet.ee/record=b1489919*est

Ulila elektrijaam 100
Mee, Ülo; **Metusala, Tiit** Elektriala 2023 / lk. 28-31 : portr., fot., kaart https://www.ester.ee/record=b1240496*est

Utilization of electric vehicles connected to distribution substations for peak shaving of utility network loads
Mägi, Marek Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 47-54 : ill

Uuring pakub metoodika Eesti võrkudest halva elektri tõrjumiseks [Võrguväljaanne]
Oidermaa, Jaan-Juhan novaator.err.ee 2022 "Uuring pakub metoodika Eesti võrkudest halva elektri tõrjumiseks"

Uusi raamatuid : [Eesti elektrivõrkude ajalugu, koostaja T. Metusala, 2020]
Elektriala 2020 / lk. 23 : ill http://www.ester.ee/record=b1240496*est https://www.ester.ee/record=b5298769*est

The weather impact on corona losses of 330 kV aging transmission lines
Gupta, Pradeep Kumar; **Tuttelberg, Kaur**; **Kilter, Jako** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p https://doi.org/10.1109/ISGTEUROPE62998.2024.10863024

Vergleich der Blindleistungskompensation bei der Speisung der Lichtbogenofen
Janson, Kuno; **Järvik, Jaan** Mezinarodni vedecka konference. Sekce 22, Elektroenergetika : sbornik prednašek / Vysoka Škola Banska - Technicka Univerzita Ostrava. Fakulta Elektrotechniky a Informatiky 1995 / S. 58-67: Ill

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

Wet test on naturally polluted glass and composite insulators
Taklaja, Paul; **Niitsoo, Jaan**; **Palu, Ivo** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 261-266 : ill https://ieeexplore.ieee.org/document/6256236

Viiskümmend aastat Eesti energiasüsteemi
1991 https://www.ester.ee/record=b1191688*est

Wind park and transmission network cooperation considering Grid Code requirements
Kilter, Jako; Dubbelman, Edgar; **Palu, Ivo**; **Niitsoo, Jaan** Electrical and Control Technologies : proceedings of the the 7th International Conference on Electrical and Control Technologies ECT-2012 2012 / p. 183-188 : ill
https://www.researchgate.net/publication/290252818_Wind_park_and_transmission_network_cooperation_considering_Grid_Code_requirements

Virtual organisation for power network management
Kangilaski, Taivo 2004 2nd IEEE International Conference on Industrial Informatics : Collaborative Automation - One key for intelligent industrial environments : 24th-26th June, 2004, Berlin, Germany 2004 / p. 169-174 : ill
https://ieeexplore.ieee.org/document/1417324

Voltage and reactive power control in islanded microgrids without communication link
Armstorfer, Andreas; Biechl, Helmuth; **Rosin, Argo** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill https://doi.org/10.1109/BEC49624.2020.9277219

Wound core voltage transformers overvoltage problems caused by single phase faults in MV networks
Järvik, Jaan; **Kalda, Heljut**; **Külm, Evald**; **Sepping, Eino**; Choi, J. Международная научно-техническая конференция "Перенапряжения и надежность эксплуатации электрооборудования" : Санкт-Петербург, 31 марта - 05 апреля 2003 г. Выпуск 1 2003 / p. 324-332 : ill

Võrguettevõtete struktuur ja arengukavad 1999-2021
Hamburg, Arvi; **Metusala, Tiit** Elektriala 2022 / lk. 26-28 : ill https://www.ester.ee/record=b1240496*est

Väljakutsed energeetikas : [avatud platvorm energiavoogude juhtimiseks]

Korõtko, Tarmo Tehnikamaailm 2024 / lk. 74-75 : fot https://www.ester.ee/record=b1073050*est

Алгоритмы топологического анализа электрических сетей
Raesaar, Peeter; **Sild, Ants** Вопросы стохастического управления режимами энергетических систем 1987 / с. 86-95

Вопросы рационализации высоковольтных распределительных сетей
Novod, F.; **Randmer, Uudus** Проблемы оптимизации в электроэнергетике : республиканская конференция Эстонской ССР (19-20 июня 1969 г.) 1969 / с. 29-30 https://www.ester.ee/record=b1344826*est

Выбор сечения проводников по экономической плотности тока при автоматизированном проектировании электрических сетей
Risthein, Endel Исследование электрических машин и электромагнитных устройств специального назначения 1983 / с. 59-64 : ил https://www.ester.ee/record=b1271915*est https://digikogu.taltech.ee/et/Item/d1676714-579b-4ec9-949f-401ab84c5a70

Методические указания к курсовому проекту по курсу "Электрические системы и сети"
1986 https://www.ester.ee/record=b1232021*est

Модели электронных схем
Kurm, Matti; **Tiigimäe, Merike** Автоматизация проектирования в электронике - система SPADE 1982 / с. 69-82 : ил https://www.ester.ee/record=b1312243*est https://digikogu.taltech.ee/et/Item/4bb3c838-273f-4f66-907d-fe44df0c246b

О вепоятностном подходе к расчету электрических сетей
Tiigimägi, Eeli Проблемы оптимизации в электроэнергетике : республиканская конференция Эстонской ССР (19-20 июня 1969 г.) 1969 / с. 23-24 https://www.ester.ee/record=b1344826*est

О линеаризации узловых мощностей электрических сетей
Raesaar, Peeter; **Tiigimägi, Eeli** Вопросы стохастического управления режимами энергетических систем 1982 / с. 51-61 https://www.ester.ee/record=b1303314*est https://digikogu.taltech.ee/et/Item/617e3ed8-f4b2-44d4-bb85-9e34947be143

О математическом моделировании стационарного режима электрической сети при вероятностно заданной исходной информации
Sild, Ants; **Tiigimägi, Eeli** Вопросы стохастического управления режимами энергетических систем 1985 / с. 77-84

О применении методов случайного поиска при оптимизации нормальных режимов распределительных сетей
Nagel, P.; **Tiigimägi, Eeli**; **Seier, Gustav** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 2 1974 / с. 256 https://www.ester.ee/record=b1306141*est

Об обеспечении безопасности в сельскохозяйственных сетях низкого напряжения
Viik, J.; **Zupsman, V.**; **Raesaar, Peeter** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 2 1964 / с. 258 https://www.ester.ee/record=b1306141*est

Об управлении нормальным режимом распределительной сети
Tiigimägi, Eeli Проблемы оптимизации в электроэнергетике : тезисы II республиканской конференции ЭССР : [Таллин 26-27 ноября 1974 года] 1974 / с. 71-72 https://www.ester.ee/record=b1346480*est

Об упрощении формул расчета относительных приростов потерь
Raesaar, Peeter Энергетические системы : сборник статей. 3 1969 / с. 85-92 : илл https://www.ester.ee/record=b2183089*est https://digikogu.taltech.ee/et/Item/5c34d1a9-5ba8-40b8-81f9-efa3dc9c672a/

Об учете асинхронных двигателей при расчете токов короткого замыкания в электрических сетях промышленных предприятий
Risthein, Endel Исследование электромагнитных и электромашинных устройств управления и контроля специального назначения 1980 / с. 29-36 : илл https://www.ester.ee/record=b1312090*est https://digikogu.taltech.ee/et/Item/e708f6e5-a186-4ef0-893e-d61558782a2b

Обработка входной и выходной информации при расчете стационарного режима электрической сети
Otstavel, A.; **Raesaar, Peeter**; **Sild, Ants** XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 43 https://www.ester.ee/record=b1305565*est

Определение места повреждения в сетях 6...35 кВ при однофазных замыканиях на землю
Panov, Valeri; **Järvik, Jaan** Ограничение перенапряжений и режимы заземления нейтрали сетей 6-35 кВ : труды третьей всероссийской научно-технической конференции : 28-30 сентября 2004 года 2004 / с. 160-167 : ил

Определение требуемого сечения проводников по длительно допускаемому току при автоматизированном проектировании электрических сетей

Risthein, Endel Исследование электромагнитных и электромашинных устройств управления и контроля специального назначения 1980 / с. 43-51 : илл https://www.ester.ee/record=b1312090*est https://digikogu.taltech.ee/et/Item/e708f6e5-a186-4ef0-893e-d61558782a2b

Оптимальный закон централизованного регулирования напряжения в распределительной сети
Sirkel, Rein; **Tiigimägi, Eeli** Тезисы докладов республиканской научно-технической конференции "Состояние и проблемы электрификации сельского хозяйства Эстонской ССР в 1971-1975 гг." : 20-22 апреля 1971 г., посвященной XXIV съезду КПСС 1971 / с. 96-100 https://www.ester.ee/record=b1409889*est

Оптимизация уставки релейной защиты по воздействующей величине
Möller, Kalju Энергетические системы : сборник статей. 2 1965 / с. 95-102 https://www.ester.ee/record=b2181997*est https://digikogu.taltech.ee/et/Item/eecc6a33-a1eb-4988-b989-2f0fd4d9a796

Организация, планирование и управление предприятием : рабочая программа для студентов специальностей 0301 - "Электрические станции" и 0302 - "Электрические системы"
1981 https://www.ester.ee/record=b5295487*est

Откуда мы станем в ближайшем будущем получать свою электроэнергию? [Online resource]
Konist, Alar Северное побережье (Пыхьяранник) 2021 "Откуда мы станем в ближайшем будущем получать свою электроэнергию? "

Порівняння імпедансних ланок для перетворювачів з джерелом напруги
Husev, Oleksandr; **Chub, Andrii**; **Vinnikov, Dmitri** Технічна електродинаміка 2015 / с. 25-32 : іл https://techned.org.ua/index.php/techned/article/view/926/803 Journal metrics at Scopus Article at Scopus

Пригласительный билет и программа симпозиума : теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью, 18-19 апреля 1989
1989 https://www.ester.ee/record=b5394985*est

Программа анализа результатов расчета стационарного режима электрической сети
Raesaar, Peeter; **Sild, Ants**; **Tiigimägi, Eeli** Вопросы стохастического управления режимами энергетических систем 1983 / с. 57-63 https://www.ester.ee/record=b1286752*est https://digikogu.taltech.ee/et/Item/b141cd1d-47a3-4711-8322-8d98db01d64a

Программы оптимизации конфигураций электрических сетей 35-330 кВ
Meldorf, Mati; **Raesaar, Peeter**; **Seier, Gustav**; **Tiigimägi, Eeli**; Juss, T. Энергетические системы : сборник статей. 5 1974 / с. 71-76 https://www.ester.ee/record=b2190662*est https://digikogu.taltech.ee/et/Item/11c437c8-2c10-4297-aa20-712c96721051

Профессор Алар Конист: такими темпами о дешевом электричестве можно забыть
Konist, Alar dv.ee 2025 https://www.dv.ee/novosti/2025/05/05/professor-alar-konist-takimi-tempami-o-deshevom-jelektrichestve-mozhno-zabyt

Профессор: в Эстонии есть все предпосылки для развития сланцевой энергетики
stena.ee 2023 Профессор: в Эстонии есть все предпосылки для развития сланцевой энергетики Парламент в качестве вопроса государственной важности обсудил плюсы и минусы "зеленого поворота"

Регулирование напряжения в сетях при помощи статического компенсатора с параметрическим регулированием
Kutšumov, Leonid; Tšernovets, Aleksandr; Orlov, V.; Liebkind, Mark; **Järvik, Jaan** Электричество 1973 / с. 12-17 https://www.ester.ee/record=b2160063*est

Сравнение компенсаторов реактивной мощности и путей улучшения качества напряжения в сетях с дуговыми сталеплавильными печами
Janson, Kuno; **Järvik, Jaan** Проблемы электромагнитной совместимости силовых полупроводниковых преобразователей : тезисы докладов второго межведомственного научно-технического совещания 1982 / с. 125-126 https://www.ester.ee/record=b1309144*est

Сравнение путей и методов компенсации реактивной мощности и улучшения качества напряжения в сетях с дуговыми сталеплавительными печами
Janson, Kuno; **Järvik, Jaan** Interference v energetice : sborník přednášek [z konference poř.] ČÚV elektrotechn. společ. ČSVTS... [aj.] 31. 8.-2. 9. 1982 v Ostravě 1982 / s. 201-208

Сравнительный анализ повышающих преобразователей для интеграции фотоэлектрических панелей в сеть
Husev, Oleksandr; **Vinnikov, Dmitri**; Veligorsky, O. Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / с. 28-34 : ил

Сравнительный анализ повышающих преобразователей для интеграции фотоэлектрических панелей в сеть [Компьют. файл]
Husev, Oleksandr; **Vinnikov, Dmitri**; Veligorsky, O. Международная Научно-Техническая Конференция "Силовая Электроника

и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [2] с. : ил [CD-ROM]

Стоит ли опасаться отключения от российской сети?
dv.ee 2024 Стоит ли опасаться отключения от российской сети?

Тезисы рабочего совещания IV секции Научного совета по теоретическим и электрофизическим проблемам повышения надежности и долговечности изоляции сетей с изолированной нейтралью
1981 https://www.ester.ee/record=b1326763*est

Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью : пригласительный билет и программа симпозиума, 18-19 апреля 1989
1989

Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью : тезисы докладов симпозиума, 18-19 апреля 1989
1989 https://www.ester.ee/record=b1224711*est

Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной и резонансно-заземленной нейтралью (симпозиум секции IV "Теоретические проблемы электрофизики высоких напряжений" Научного Совета АН СССР по комплексной проблеме "Научные основы электрофизики и электроэнергии", апрель 1989 г., Таллинн)
Bogatenkov, I.; **Metusala, Tiit**; **Oidram, Rein**; Halilov, F. Электричество : ежемесячный теоретический и научно-практический журнал 1989 / с. 89-92 https://www.ester.ee/record=b2160063*est

Теоретические и электрофизические проблемы повышения надежности и долговечности изоляции сетей с изолированной нейтралью (заседание секции IV АН СССР)
Bogatenkov, I.; Halilov, F.; **Oidram, Rein** Электричество : ежемесячный теоретический и научно-практический журнал 1982 / с. 74-75 https://www.ester.ee/record=b2160063*est

Учет вероятностного характера нагрузок при расчете электрических сетей методом узловых напряжений
Tiigimägi, Eeli Энергетические системы : сборник статей. 3 1969 / с. 3-6 https://www.ester.ee/record=b2183089*est
https://digikogu.taltech.ee/et/Item/5c34d1a9-5ba8-40b8-81f9-efa3dc9c672a/

Экспериментальное исследование трёхуровневого инвертора напряжения с квази-импедансным звеном на входе
Stepenko, Serhii Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / с. 74-83 : ил

Экспериментальное исследование трёхуровневого инвертора напряжения с квази-импедансным звеном на входе [Компьют. файл]
Stepenko, Serhii Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [3] с. : ил [CD-ROM]

Эксперт: отключение от российской сети? Никто даже не заметит
Tavgen, J. dv.ee 2024 Эксперт: отключение от российской сети? Никто даже не заметит

Эксперты сомневаются в необходимости новой высоковольтной ЛЭП между Эстонией и Латвией
Voltri, Johannes rus.err.ee 2025 Эксперты сомневаются в необходимости новой высоковольтной ЛЭП между Эстонией и Латвией

Электрические сети и системы : описание расчетного стола УРМЭС-2 и методика выполнения расчетов
1986 https://www.ester.ee/record=b1231990*est

Электрические сети и системы : руководство к лабораторным работам для студентов специальностей 0301, 0302 и 0303
1974 https://www.ester.ee/record=b1313051*est