

Analyses of supply voltage quality, power consumption and losses affected by shunt capacitors for power factor correction

Vinnal, Toomas; Janson, Kuno; Kalda, Heljut; Kütt, Lauri PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 53-60 : ill

Analysis and design of ultracapacitor-boosted back-up power supply for tramcars [Electronic resource]

Hõimoja, Hardi; Vinnikov, Dmitri; Jalakas, Tanel EUROCON 2009 : International IEEE Conference devoted to the 150-anniversary of Alexander S. Popov : May 18-23, 2009 Saint Petersburg, Russia 2009 / p. 598-604 [CD-ROM]
<https://ieeexplore.ieee.org/document/5167691>

Analysis on AC motor losses due to harmonic levels increase caused by switched capacitor passive power factor correction

Mõlder, Heigo; Vinnal, Toomas; Beldjajev, Viktor 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 42-46 : ill

Application of ultracapacitors in low-voltage power supply systems of light rail vehicles

Hõimoja, Hardi; Vinnikov, Dmitri; Strzelecki, Ryszard The 2009 World Congress on Electronics and Electrical Engineering : WCEEENG'09 : April 6-9, 2009, Cairo, Egypt 2009 / [5] p

Automotive applications of ultracapacitors

Boiko, Vitali; Vinnikov, Dmitri; Liivik, Liisa Summer Seminar on Nordic Network for Multi Disciplinary Optimised Electric Drives 2002 / ? p

Autonomous power supply system for light sensor of illumination measurement test bench

Tetervenk, Oleg; Galkin, Ilja; **Armas, Jelena** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2012 / p. 30-35 : ill

Capacitor coupled voltage transformer defect identification in the presence of tap changer

Asefi, Sajjad; Leinakse, Madis; Kilter, Jako; Landsberg, Mart IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2023) : proceedings 2023 / 5 p <https://doi.org/10.1109/isgteurope56780.2023.10408138>

Capacitor coupled voltage transformer inaccuracy modeling

Asefi, Sajjad 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 73-74 : ill https://www.ester.ee/record=b5570906*est

CCM operation analysis of the single-phase three-level quasi-Z-source inverter

Husev, Oleksandr; Roncero-Clemente, Carlos; **Stepenko, Serhii; Vinnikov, Dmitri;** Romero-Cadaval, Enrique 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia 2012 / p. DS1b.21-1-DS1b.21-6 : ill <https://ieeexplore.ieee.org/document/6397221>

Circuit diagrams of AC-DC line-frequency resonant converters with alternation of parallel and series resonant mode

Janson, Kuno; Järvik, Jaan; Vinnal, Toomas 5th International Conference : Electrical Power Quality and Utilisation : September 15-17, 1999, Cracow, Poland : EPQU'99 : proceedings 1999 / p. 479-484 : ill

Comparative evaluation of a new flying capacitor-based buck-boost converters for universal application

Hemmati Shahsavari, Tala 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. 65-66 : ill https://www.ester.ee/record=b5504019*est

Comparison of grid-connected flyback-based microinverter with primary and secondary side decoupling approach

Afshari, Hossein; Husev, Oleksandr; Vinnikov, Dmitri; Matiushkin, Oleksandr; Vosoughi Kurdkandi, Naser 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUON): conference proceedings 2022 / p. 1-6 <https://doi.org/10.1109/RTUON56726.2022.9978855>

Comparison of voltage balancers for DAB converters in bipolar residential DC microgrids

Carvalho, Edivan Laercio; Mandrioli, Riccardo; Mastromauro, Rosa Anna; Romero-Cadaval, Enrique; **Vinnikov, Dmitri** 2025 IECON – 51st Annual Conference of the IEEE Industrial Electronics Society 2025 / 6 p
<http://doi.org/10.1109/IECON58223.2025.11221951>

Control of ultracapacitors energy exchange [Electronic resource]

Roasto, Indrek; Lehtla, Tõnu; Möller, Taavi; Rosin, Argo EPE-PEMC 2006 : 12th International Power Electronics and Motion Control Conference : Portorož, Slovenia, August 30 - September 1, 2006 : proceedings 2006 / p. 1401-1406 : ill. [CD-ROM]
<https://ieeexplore.ieee.org/document/4778599>

Cost-effective synthesis of electrodeposited NiCo2O4 nanosheets with induced oxygen vacancies : a highly efficient electrode material for hybrid supercapacitors

Pappu, Samhita; Nanaji, Katchala; Mandati, Sreekanth; Rao, Tata Naransinga; **Martha, Surendra K.; Bulusu, Sarada V.** Batteries

and supercaps 2020 / p. 1209-1219 <https://doi.org/10.1002/batt.202000121>

Design for accelerated testing of DC-link capacitors in photovoltaic inverters based on mission profiles

Sangwongwanich, Ariya; Shen, Yanfeng; **Chub, Andrii**; **Liivik, Elizaveta**; **Vinnikov, Dmitri**; Wang, Huai; Blaabjerg, Frede IEEE transactions on industry applications 2021 / p. 741–753 <https://doi.org/10.1109/TIA.2020.3030568> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of electrospun nanostructured electrochemical double-layer capacitor electrodes = Elektrilise kaksikkihi kondensaatori elektrokedratud nanostruktuursete elektroodide arendus

Malmberg, Siret 2021 <https://digikogu.taltech.ee/et/Item/ab0b679b-f1a4-4f69-af49-949f7698e2fc> https://www.ester.ee/record=b5451440*est <https://doi.org/10.23658/taltech.39/2021>

Development of yttrium-doped BaTiO₃ for next-generation multilayer ceramic capacitors

Tihti, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-Nadir, Redouane; Belaid, Walid; **Hussainova, Irina**; Kocserha, István ACS omega 2023 / p. 8448-8460 : ill <https://doi.org/10.1021/acsomega.2c07497> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

EDLC durable electrodes and capacitor for high frequency applications

Malmberg, Siret; **Tarasova, Elvira**; **Vassiljeva, Viktoria**; **Krasnou, Illia**; Arulepp, Mati; **Krumme, Andres** SPCD 2018 : 3rd Space Passive Components Days International Symposium, Noordwijk, Netherlands, 9-12 October 2018 2018 / 10 p. : ill <https://passive-components.eu/edlc-durable-electrodes-and-capacitor-for-high-frequency-applications/>

Effect of Bulk Capacitor on Harmonics of Energy-Efficient Devices

Daniel, Kamran; **Kütt, Lauri**; Lehtonen, Matti; **Shabbir, Noman**; **Iqbal, Muhammad Naveed**; Martins, Joao; Simson, Päivo IEEE Access 2025

An electrolytic capacitor-less multiple-output LED driver with a universal input voltage

Awad, Khaled; **Abdelrahim Abdelghafour, Omar Mohamed**; Gaafar, Mahmoud A.; Orabi, Mohamed; **Chub, Andrii**; **Blinov, Andrei**; **Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 6 l. <https://doi.org/10.1109/ENERGYCON53164.2022.9830255>

Estimation of peak voltage value and its occurrence timing upon non-sinusoidal supply voltage

Daniel, Kamran; **Kütt, Lauri**; **Iqbal, Muhammad Naveed**; **Shabbir, Noman**; **Jarkovoi, Marek** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / p. 1-6 <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604412>

Forward-based DC-DC converter with eliminated leakage inductance problem

Matiushkin, Oleksandr; **Husev, Oleksandr**; **Afshari, Hossein**; Romero-Cadaval, Enrique; Roncero-Clemente, Carlos IEEE transactions on industrial electronics 2025 / p. 1638-1648 <https://doi.org/10.1109/TIE.2024.3429626>

Harmonic voltages and currents in LV industrial power systems, shunt capacitors and additional power losses

Vinnal, Toomas; **Kalda, Heljut**; **Mölder, Heigo** 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 47-52 : ill

Hierarchical optimization configuration strategy of synchronous condenser in high penetration wind power sending systems

Sun, Zhenglong; Qiao, Jianhua; Meng, Xin; Pan, Chao; Li, Zewei; **Belikov, Juri**; Levron, Yoash Electronics (Switzerland) 2024 / art. 4359 <https://doi.org/10.3390/electronics13224359> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-efficient switched-capacitor step-up DC–DC converter with partial power processing

Toebe, Ademir; Bulegon Löbler, Pedro Henrique; **Dos Santos, Niwton Gabriel Feliciani**; Beltrame, Rafael Concatto; Schuch, Luciano; Rech, Cassiano IECON 2025 – 51st Annual Conference of the IEEE Industrial Electronics Society 2025 / 6 p <https://doi.org/10.1109/IECON58223.2025.11221931>

Higher harmonics in load-adapting mains Frequency resonant converter

Janson, Kuno; **Järvik, Jaan**; **Vinnal, Toomas** 8th International Conference on Harmonics and Quality of Power, October 14-16, 1998, Athens, Greece : proceedings. Vol. 2 1998 / p. 859-864: ill <https://ieeexplore.ieee.org/document/760155>

Impact of component losses on the voltage boost properties and efficiency of the QZS-converter family

Roasto, Indrek; **Vinnikov, Dmitri** COMPEL : The international journal for computation and mathematics in electrical and electronic engineering 2012 / p. 1945-1963 : ill <https://www.emerald.com/insight/content/doi/10.1108/03321641211267227/full/html>

Impedance network impact on the controller design of the QZSI for PV applications

Liu, Wenjie; Yang, Yongheng; Kerekes, Tamas; **Liivik, Elizaveta**; Blaabjerg, Frede 2020 IEEE 21st Workshop on Control and Modeling for Power Electronics (COMPEL), Aalborg, Denmark, November 9-12, 2020 2020 / 6 p <https://doi.org/10.1109/COMPEL49091.2020.9265708>

Kaasaegsed suunad tugevvoolukondensaatorite ehituses

Kabrun, A.; Oidram, Rein XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 67 https://www.ester.ee/record=b2449987*est

Laboratory setup for studying ultracapacitors in industrial applications

Roasto, Indrek; Vinnikov, Dmitri; Lehtla, Tõnu EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : abstracts 2008 / p. 77-78 <https://ieeexplore.ieee.org/document/4635561>

Laboratory setup for studying ultracapacitors in industrial applications [Electronic resource]

Roasto, Indrek; Vinnikov, Dmitri; Lehtla, Tõnu EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : proceedings 2008 / p. 2034-2037 : ill. [CD-ROM]
<https://ieeexplore.ieee.org/document/4635561>

Lade- und Entladevorgänge von Ultrakondensatoren

Roasto, Indrek Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19-24, 2004 2004 / p. 69-72 : ill

Lossless dynamic models of the quasi-Z-source converter family

Vinnikov, Dmitri; Husev, Oleksandr; Roasto, Indrek Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2011 / p. 73-78 <https://ui.adsabs.harvard.edu/abs/2011SJRP...29...73V/abstract>

Minimal energy storage required for stability of low inertia distributed sources

Fahima, Aviad; Ofir, Ron; Levron, Yoash; Belikov, Juri 2018 5th IEEE International Energy Conference (ENERGYCON), Limassol, Cyprus, June 3-7, 2018 : proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/ENERGYCON.2018.8398775>

MPPT and GMPPT Implementation for Buck-Boost Mode Control of quasi-Z-Source Inverter

Husev, Oleksandr; Vinnikov, Dmitri; Roncero-Clemente, Carlos; Blaabjerg, Frede; Strzelecki, Ryszard IEEE transactions on industrial electronics 2022 / p. 11348 - 11358 <https://doi.org/10.1109/TIE.2021.3125658> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A new flying capacitor-based buck-boost converter for dual-purpose applications

Hemmati Shahsavari, Tala; Vosoughi Kurdkandi, Naser; Husev, Oleksandr; Babaei, Ebrahim; Sabahi, Mehran; Khoshkbar-Sadigh, Arash; Vinnikov, Dmitri IEEE journal of emerging and selected topics in industrial electronics 2023 / p. 447-459
<https://doi.org/10.1109/JESTIE.2023.3238322>

A new high step-up switched-capacitor/inductor based DC-DC converter

Mashinchi Maheri, Hamed; Saadatizadeh, Zahra; Chavoshpour 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>

A novel and high-gain switched-capacitor and switched-inductor-based DC/DC boost converter with low input current ripple and mitigated voltage stresses

Pirpoor, Samaneh; Rahimpour, Saeed; Andi, Mikael; Kanagaraj N.; Pirouzi, Sasan; Mohammed, Adil Hussein IEEE Access 2022 / p. 32782 - 32802 <https://doi.org/10.1109/ACCESS.2022.3161576> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel space vector pulse width modulation strategies for single-phase three-level NPC impedance-source inverters

Shults, Tatiana; Husev, Oleksandr; Blaabjerg, Frede; Roncero, Carlos; Romero-Cadaval, Enrique; Vinnikov, Dmitri IEEE transactions on power electronics 2019 / p. 4820-4830 : ill <https://doi.org/10.1109/TPEL.2018.2859194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimized modulation scheme for four-leg quasi Z-source inverter : reducing power loss and improving output quality

Abid, Abderahmane; Bakeer, Abualkasim Ahmed Ali; Albalawi, Hani; Zellouma, Laid; Bouzidi, Mansour; Lashab, Abderezak; Rabhi, Boualaga; Chub, Andrii IEEE Access 2023 / p. 94125-94137 <https://doi.org/10.1109/ACCESS.2023.3305263> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance improvement method for the voltage-fed qZSI with continuous input current

Vinnikov, Dmitri; Roasto, Indrek; Strzelecki, Ryszard; Adamowicz, Marek MELECON 2010 : the 15th IEEE Mediterranean Electrotechnical Conference : 25th-28th April 2010, Malta : book of abstracts 2010 / p. 135 <https://ieeexplore.ieee.org/document/5476229>

Precision AC/DC measurement converters with switched capacitors in the feedback path = Täpsed vahelduvpinge mõõtemuundurid ümberlülituvate kondensaatoritega tagasiside ahelas

Märtens, Olev 1993 http://www.ester.ee/record=b2089954*est

Predictive control based on ranking multi-objective optimization approaches for a quasi-Z source inverter

Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; Chub, Andrii; Vinnikov, Dmitri CSEE journal of power and energy systems 2021

Rahvusvaheline elektrotehnika sõnastik. Osa 436, Jõukondensaatorid [Võrguteavik] = International Electrotechnical Vocabulary. Chapter 436, Power capacitors (IEC 60050-436:1990)

2017 http://www.ester.ee/record=b4770422*est

Reactive power compensation for spot welding machine using thyristor switched capacitor

Kallaste, Ants; Kütt, Lauri; Bolgov, Viktor; Janson, Kuno 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 241-245 : ill

Reliability of DC-link capacitors in two-stage micro-inverters under different PV module sizes

Sangwongwanich, Ariya; Shen, Yanfeng; **Chub, Andrii; Liivik, Elizaveta; Vinnikov, Dmitri**; Wang, Huai; Blaabjerg, Frede ICPE 2019 - ECCE Asia : 10th International Conference on Power Electronics - ECCE Asia : "Green World with Power Electronics" : May 27-30, 2019 BEXCO, Busan, Korea 2019 / p. 1867-1872 : ill <https://ieeexplore.ieee.org/xpl/conhome/8786807/proceeding>

Reliability study of input side capacitors in impedance-source PV microconverters

Liivik, Elizaveta; Vinnikov, Dmitri; Chub, Andrii; Shen, Yanfeng IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 5026–5032 : ill <https://doi.org/10.1109/IECON.2019.8927173> Conference proceedings at Scopus Article at Scopus Article at WOS

Resonances in LV industrial networks when using shunt capacitors for power factor correction

Vinnal, Toomas; Sakkos, Tiiu; Janson, Kuno; Jarkovoi, Marek 23rd International Conference on Electricity Distribution : Lyon, 15-18 June 2015 2015 / Paper 0135, p. 1-4 : ill

Resonances in LV industrial networks when using shunt capacitors for power factor correction

Vinnal, Toomas; Sakkos, Tiiu; Janson, Kuno; Jarkovoi, Marek 23rd International Conference and Exhibition on Electricity Distribution : Lyon (France), 15-18 June 2015 : special reports 2015 / p. 12/33 : ill

SC structures with low-threshold MOS switches

Männama, Vello; Sabolotny, Rein BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 119-122 : ill

Skeleton ja Taltech teevad Eestist energia salvestamise tehnoloogiate kompetentsikeskuse [Võrguväljaanne]

toostusuudised.ee 2021 "[Skeleton ja Taltech teevad Eestist energia salvestamise tehnoloogiate kompetentsikeskuse](https://www.toostusuudised.ee/2021/05/skeleton-ja-taltech-teevad-eestist-energia-salvestamise-tehnoloogiate-kompetentsikeskuse/)"

Skeleton Technologies ja Tallinna Tehnikaülikool hakkavad koos arendama Eestit energia salvestamise tehnoloogiate kompetentsi- ja arenduskeskuseks [Võrguväljaanne]

arvutimaailm.ee 2021 <https://www.am.ee/node/7946>

Soft start algorithm for a droop controlled dc nanogrid

Roasto, Indrek; Blinov, Andrei; Vinnikov, Dmitri 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 l. <https://doi.org/10.1109/BEC56180.2022.9935608>

Starting of a diesel engine by help of ultracapacitors

Boiko, Vitali; Vinnikov, Dmitri; Joller, Jüri BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 405-406 : ill

Steueralgorithmus für Laden von Ultrakondensator

Roasto, Indrek The 4th Research Symposium of Young Scientists : Actual Problems of Electrical Drives and Industry Automation : Tallinn, Estonia, May 17-21, 2003 2003 / p. 128-130 : ill

Supply voltage level optimisation in low voltage networks using shunt capacitors

Vinnal, Toomas; Janson, Kuno; Kalda, Heljut; Kütt, Lauri Electrical and control technologies : proceedings of the the 7th international conference on electrical and control technologies ECT-2012 2012 / p. 206-211 : ill https://www.researchgate.net/publication/289478542_Supply_voltage_level_optimisation_in_low_voltage_networks_using_shunt_capacitors

Supply voltage level optimization in industrial low voltage networks

Vinnal, Toomas; Janson, Kuno; Kalda, Heljut; Sakkos, Tiiu PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 149-154 : ill <https://ieeexplore.ieee.org/document/6256219>

Switched capacitor general immitance converter

Kängsep, Eiko; Kukk, Vello BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 483-486: ill https://www.ester.ee/record=b2150914*est

Switched capacitor technique in implantable lock-in bioimpedance analyzers

Kuhlberg, Aivo; Kukk, Vello; Min, Mart; Parve, Toomas Scientific proceedings of Riga Technical University. 7. seria, Telecommunications and electronics 2001 / p. 59-64 : ill

Switched-capacitor current-fed quasi-Z-source inverter

Chub, Andrii; Husev, Oleksandr; Zakis, Janis; Rabkowski, Jacek BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 229-232 : ill

Switched-capacitor technique in implantable lock-in bioimpedance analyzers

Min, Mart; Parve, Toomas; Kukk, Vello; Kuhlberg, Aivo 42-nd Riga Technical University Conference : RTUC'2001 : Section on Electronics and Telecommunications : Riga, Latvia, Oct. 11-13, 2001 : conference proceedings 2001 / p. 59-64

Teine vaatus - peaosas kondensaatorid

Sinivee, Veljo Horisont 2008 / 2, lk. 50-51 : ill <http://parsek.yf.ttu.ee/~felc/horisont/elektro2.pdf>

Trans-Z-source-like inverter with built-in DC current blocking capacitors [Electronic resource]

Adamowicz, Marek; Guzinski, Jaroslaw; Strzelecka, Natalia; **Vinnikov, Dmitri** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 137-149 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/5942221>

Triple-Loop Control Configuration for Grid-Connected LCL-Filtered Inverters Based on Time-Domain Design

Elkayam, Moria Sassonker; Vinnikov, Dmitri 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p. : ill <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227426>

Two-stage quasi-Z-source network based step-up DC/DC converter

Vinnikov, Dmitri; Roasto, Indrek; Strzelecki, Ryszard; Adamowicz, Marek ISIE 2010 : IEEE International Symposium on Industrial Electronics : Bari, Italy, 4-7 July 2010 / p. 1143-1148 : ill <https://ieeexplore.ieee.org/document/5636562>

Ultracapacitors as an innovative teaching topic in Tallinn University of Technology [Electronic resource]

Roasto, Indrek; Vinnikov, Dmitri; Lehtla, Tõnu 19th International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Speedam 2008 : Ischia (Italy), June 11th-13th, 2008 : conference proceedings 2008 / p. 475-480 : ill. [CD-ROM] <https://www.semanticscholar.org/paper/Ultracapacitors-as-an-innovative-teaching-topic-in-Roasto-Vinnikov/d858917563c7de2fc0ffe1b30c5b39cd08a078db>

Ultra-High gain modified SCLN based DC-DC converter with reduced device current stress

Sahoo, Gyana Manjari; Banavath, Satish Naik; **Chub, Andrii; Vinnikov, Dmitri** 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2022 <https://doi.org/10.1109/RTUCON56726.2022.9978808>

Use of ultracapacitors modules in ICE starting system

Boiko, Vitali; Vinnikov, Dmitri; Joller, Jüri Power and Electrical Engineering International Scientific Conference 2002 / ? p

Wide output voltage range isolated buck-boost PFC converter with reconfigurable rectifier

Verbytskyi, Ievgen; Nadeem, Mohammad Mahad; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 7 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227389>

Väikesegabariidilised kondensaatorid

Umborg, Jaak Side. Raadio. Televisioon : infoseeria 10 1988 / lk. 3 https://www.ester.ee/record=b1232303*est

Väikesekabariidilised kilekondensaatorid

Umborg, Jaak Side. Raadio. Televisioon : infoseeria 10 1987 / lk. 16-19 https://www.ester.ee/record=b1232303*est

Автоматизированные регуляторы конденсаторных установок REVAR

Järvik, Jaan 1986 https://www.ester.ee/record=b2029687*est

Автоматическая конденсаторная установка

Reiner, Ardi; Pobul, V.; Järvik, Jaan Новая техника в электроснабжении промышленных предприятий : материалы конференции 1983 / с. 84-89

Влияние абсорбции диэлектрика конденсаторов на выходные параметры фильтров

Kivimäe, A.; Rebane, Raul-Vello; **Rüstern, Ennu** Тезисы докладов научно-технической конференции, посвященной Дню радио 1974 / с. 27 https://www.ester.ee/record=b1294751*est

Влияние термовакуумной обработки на характеристики частичных разрядов и срок службы изоляции силовых

конденсаторов

Kutšinski, G.S.; **Oidram, Rein** Электротехническая промышленность. Электротехнические материалы : реферативный научно-технический сборник 1972 / с. 8-9 https://www.ester.ee/record=b2896291*est

Исследование влияния технологии изготовления на характеристики частичных разрядов бумажно-масляной изоляции конденсаторов

Oidram, Rein Ионизационное разрушение, короностойкость и электрическая прочность органической высоковольтной изоляции радиоэлектронного и электрооборудования : Тезисы докладов 1969 / с. 70-71

Исследование влияния технологии изготовления на характеристики частичных разрядов изоляции силовых конденсаторов

Oidram, Rein Известия высших учебных заведений. Энергетика : ежемесячный научно-технический журнал 1971 / с. 17-22 https://www.ester.ee/record=b2715666*est

Исследование возможностей применения ультраконденсаторов в электросистеме автомобиля

Vinnikov, Dmitri; Boiko, Vitali; Laugis, Juhan Силовая электроника и энергоэффективность : СЭЭ'2003 : Алушта, Украина, 2003 2003 / [4] с

Конденсатор-тиристорная система управления трехфазным мостовым инвертором

Irs, Rein; Šilf, K. Электромеханика. 3 1970 / с. 29-32 : илл https://www.ester.ee/record=b2189951*est
<https://digikogu.taltech.ee/et/Item/ba0097d6-af8f-4557-96a1-ac545e315074/>

О влиянии разделительного конденсатора на работу синхронного детектора

Korsen, Viljo Тезисы докладов научно-технической конференции, посвященной Дню радио 1974 / с. 37-38
https://www.ester.ee/record=b1294751*est

О возможности оптимального регулирования конденсаторных батарей в распределительных сетях по местным параметрам

Seier, Gustav; Tiigimägi, Eeli Материалы XXII Литовской республиканской научно-технической конференции (31 января - 5 февраля 1972 г.) 1972 / с. 227-228

О применении тиристорных выключателей для коммутационных конденсаторных установок

Kala, Ülo; Reiner, Ardi; Järvik, Jaan Компенсация реактивной мощности как средство экономии электроэнергии : (тезисы докладов) 1978 / с. 14-16

Об автоматизации конденсаторных установок

Reiner, Ardi; Järvik, Jaan Современные проблемы энергетики : (тезисы докладов и сообщения IV Республиканской научно-технической конференции, Киев, окт. 1985 г.) 1985 / с. 176-178

Об автоматических системах управления конденсаторных установок

Kala, Ülo; Reiner, Ardi; Järvik, Jaan Компенсация реактивной мощности как средство экономии электроэнергии : (тезисы докладов) 1978 / с. 16-17

Тиристорно-коммутирующая автоматическая конденсаторная установка TAKS

Järvik, Jaan 1986 https://www.ester.ee/record=b2029687*est