

### **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](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](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 (RTUCON): conference proceedings 2022 / p. 1-6 <https://doi.org/10.1109/RTUCON56726.2022.9978855>

### **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.estar.ee/record=b5451440\\*est](https://www.estar.ee/record=b5451440*est) <https://doi.org/10.23658/taltech.39/2021>

### **Development of yttrium-doped BaTiO<sub>3</sub> 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](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](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](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"](#)

**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](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](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](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](https://www.ester.ee/record=b1232303*est)

### **Автоматизированные регуляторы конденсаторных установок REVAR**

**Järvik, Jaan** 1986 [https://www.ester.ee/record=b2029687\\*est](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](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](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](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://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](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](https://www.ester.ee/record=b2029687*est)