

### **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

### **Comparative power quality analysis of right and left shunt UPQC topologies**

**Kumar, Pradeep; Gupta, Pradeep Kumar** Proceedings of the International Conference on Systems, Control and Automation (ICSCA 2023) 2025 / p. 607-624 [https://doi.org/10.1007/978-981-97-7384-8\\_52](https://doi.org/10.1007/978-981-97-7384-8_52)

### **A concept of using LED lamps in conjunction with traditional light sources**

**Milaševski, Irena; Armas, Jelena; Teemets, Raivo** 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 238-241 : ill

### **Control methodology of the rolling stock auxiliary power supply**

**Roasto, Indrek; Vinnikov, Dmitri** 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 122-125 : ill

### **Design of primary power supply for composite LED luminary**

**Milaševski, Irena; Galkin, Ilja** 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. 122-125 : ill

### **Design of renewable micro generation monitoring and control application**

**Lehtla, Madis; Kõivastik, Ivar; Möller, Taavi; Kallaste, Ants; Rosin, Argo** PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 105-110 : ill

### **Development of auxiliary power supplies for the 3.0 kV DC rolling stock [Electronic resource]**

**Vinnikov, Dmitri; Laugis, Juhan; Jalakas, Tanel** ISIE2007 : 2007 IEEE International Symposium on Industrial Electronics : June 4-7, 2007, Vigo, Spain 2007 / p. 359-364 [CD-ROM] <https://ieeexplore.ieee.org/document/4374624>

### **Ehitiste elektripaigaldised**

**Kroon, Kalju; Risthein, Endel** 2006 [https://www.ester.ee/record=b2155977\\*est](https://www.ester.ee/record=b2155977*est)

### **Elektritoiteseadmed**

**Martverk, Peep** 1998 [https://www.ester.ee/record=b1197935\\*est](https://www.ester.ee/record=b1197935*est)

### **Harmonic levels of domestic and electrical vehicle loads in residential distribution networks**

**Niitsoo, Jaan; Kilter, Jako; Palu, Ivo; Taklaja, Paul; Kütt, Lauri** Proceedings of IEEE AFRICON 2013 Conference : 9-12 September 2013, Mauritius 2013 / p. 184-188 <https://doi.org/10.1109/AFRICON.2013.6757800> [Conference Proceedings at Scopus](#)  
[Article at Scopus](#)

### **Implementation possibilities of SMD capacitors for high power applications**

**Zakis, Janis; Vinnikov, Dmitri** Riga Technical University 53rd International Scientific Conference dedicated to the 150th anniversary and The 1st Congress of World Engineers and Riga Polytechnical Institute : RTU Alumni, Paper 31 of Subsection of Power Electronic Converters and Applications 2012 / 6 p. : ill <https://intapi.sciendo.com/pdf/10.2478/v10314-012-0003-2>

### **Implementation possibilities of SMD capacitors for high power applications**

**Zakis, Janis; Vinnikov, Dmitri** Riga Technical University 53rd International Scientific Conference dedicated to the 150th anniversary and the 1st Congress of World Engineers and Riga Polytechnical Institute/RTU Alumni : 11-12 October 2012, Riga, Latvija : [abstracts] 2012 / p. 128 : ill <https://intapi.sciendo.com/pdf/10.2478/v10314-012-0003-2>

### **Implementation possibilities of SMD capacitors for high power applications**

**Zakis, Janis; Vinnikov, Dmitri** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2012 / p. 18-23 : ill <https://intapi.sciendo.com/pdf/10.2478/v10314-012-0003-2>

### **Kohtkindlate reservtoiteseadmete akumulaatoritest**

**Oorn, Arvo** Elektriku kalender 1998 1997 / lk. 162-173: ill

### **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>

### **Load adapting resonant converter for supplying deeply varying load**

**Janson, Kuno; Järvik, Jaan; Vinnal, Toomas** BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 227-230: ill

### **Load current stabilization and suppression of flicker in AC arc furnace power supply by series-connected saturable reactor [Electronic resource]**

**Bolgov, Viktor; Järvi, Jaan** 3rd International Workshop Compatibility in Power Electronics : CPE 2003 : 28-30 May 2003, Gdansk - Zielona Gora, Poland 2003 / p. 30-34 : ill. [CD-ROM] <https://catalog.crl.edu/Record/133a6f6c-0dfb-5715-88c3-1076990a08ad>

### **Low noise LDO architecture with consideration for low voltage operation**

Mihhailov, Juri; Strik, Viktor; Strik, Sergei; **Rang, Toomas** 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. 41-44 : ill

### **Madalpingelised elektripaigaldised. Osa 7-722, Nõuded eripaigaldistele ja -paikadele ; Elektrisõidukite toide [Võrguteavik] = Low-voltage electrical installations. Part 7-722, Requirements for special installations or locations ; Supplies for electric vehicles (IEC 60364-7-722:2018, modified)**

2019 [https://www.ester.ee/record=b5251715\\*est](https://www.ester.ee/record=b5251715*est)

### **Madalpingelised elektripaigaldised. Osa 7-722, Nõuded eripaigaldistele ja -paikadele. Elektrisõidukite toide [Võrguteavik] = Low-voltage electrical installations. Part 7-722, Requirements for special installations or locations. Supplies for electric vehicles (IEC 60364-7-722:2015, modified)**

2016 [http://www.ester.ee/record=b4616843\\*est](http://www.ester.ee/record=b4616843*est)

### **Modeling and implementation of linear energy prediction for energy harvesting in intermittently powered wireless sensor nodes = Katkendliku toitega traadita sensorsõlmede energiakorje tulemuse lineaarne ennustus, modelleerimine ja rakendused**

**Ahmed, Faisal** 2018 <https://digi.lib.ttu.ee/i/?9955> [https://www.ester.ee/record=b5056543\\*est](https://www.ester.ee/record=b5056543*est)

### **Outlook of usage of supercapacitors in uninterruptible power supplies**

**Galkin, Ilja; Stepanov, A.; Laugis, Juhan** BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 237-240 : ill

### **Power Stage MOSFETs Segmentation in Ripple Controlled Step-Down SMPS [Online resource]**

**Mihhailov, Juri; Koort, Marko; Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill <https://doi.org/10.1109/BEC.2018.8600960>

### **Pöördväljatrafoga plasmotroni toitesead**

**Zaitsev, O.; Järvi, Jaan; Reiner, Ardi** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 65 [https://www.ester.ee/record=b2449987\\*est](https://www.ester.ee/record=b2449987*est)

### **Reguleeritav parameetrilise lühisvoolu piiramisega toiteallikas "EVAR"**

**Järvi, Jaan; Janson, Kuno** Sähkö & tele 1996 / 3, [ajakirja lisa] Seltsi Ajaleht / Eesti Elektroenergeetika Selts

### **"Seinaadapteritest" nii- ja naapidi - kas savist saab sepiku?**

**Sinivee, Veljo** Arvutikasutaja 2004 / 4, lk. 10-12 : ill [https://artiklid.elnet.ee/record=b1062083\\*est](https://artiklid.elnet.ee/record=b1062083*est)

### **Sliding mode based control of dual boost inverter for grid connection**

Lopez-Caiza, Diana; Flores-Bahamonde, Freddy; Kouro, Samir; Santana, Victor; Müller, Nicolas; **Chub, Andrii** Energies 2019 / art. 4241, 15 p.: ill <https://doi.org/10.3390/en12224241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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)

### **Switch-mode power supplies for plasma-arc systems**

Soojärvi, J.; Dragunov, V.; Tomson, Teolan BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 373-376: ill

### **Toiteplokki elektrooniku töölaual**

**Sinivee, Veljo** Arvutikasutaja 2003 / 7, lk. 10-12

### **Uninterruptible power supply based on the converter with alternating of parallel and series resonance**

**Janson, Kuno; Järvi, Jaan; Šklovski, Jevgeni** 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / p. 44-46 : ill

### **Uninterruptible power supply based on the converter with alternating of parallel and series resonance [Electronic resource]**

**Janson, Kuno; Järvik, Jaan; Šklovski, Jevgeni** Proceedings of 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / [5] p. : ill. [CD-ROM]

**Uninterruptible power supply in distribution substations auxiliary circuits**

**Hõimoja, Hardi** 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 78-82

**Uninterruptible power supply: an optimal passivity-based control scheme**

**Bakeer, Abualkasim Ahmed Ali;** Alhasheem, Mohammed; Elhelw, Hadi M. 2023 IEEE Power and Energy Society Innovative Smart Grid Technologies Conference, ISGT 2023 2023 / art. 187411 <https://doi.org/10.1109/ISGT51731.2023.10066406>

**Unitary input power factor uninterruptible power supply**

Florea, Mihail; Posa, Constantin BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 235-238: ill

**Источник питания для дуговой сталеплавильной печи**

**Janson, Kuno; Järvik, Jaan** Проблемы электромагнитной совместимости силовых полупроводниковых преобразователей : тезисы докладов III Всесоюзного научно-технического совещания. Часть 2 1986 [https://www.ester.ee/record=b1216668\\*est](https://www.ester.ee/record=b1216668*est)

**Источник питания ESTA для ДСП постоянного тока**

**Janson, Kuno; Järvik, Jaan** Тезисы докладов I Всесоюзного совещания электроснабжения и электрооборудования дуговых электрических печей. Тбилиси, 16-18 нояб. 1988 1988 / с. 61-63

**Источник стабилизированного тока для анодного окисления полупроводников**

**Gavrilov, Aleksei** Приборы и техника эксперимента 2004 / 1, с. 160-161 : ил

**Машинное моделирование цепи питания, обеспечивающей инжекторный ток для И<sup>2</sup>Л схем**

**Rang, Toomas** Расчет и проектирование приборов, устройств и систем технической кибернетики 1981 / с. 15-19 : илл [https://www.ester.ee/record=b1319172\\*est](https://www.ester.ee/record=b1319172*est) <https://digikogu.taltech.ee/et/Item/4c9b1559-97b9-4d9b-bac8-6c40840ba442>

**Об определении оптимальных законов регулирования напряжения центра питания и реактивной мощности в распределительной сети**

**Seier, Gustav** Проблемы оптимизации в электроэнергетике : тезисы II республиканской конференции ЭССР : [Таллин 26-27 ноября 1974 года] 1974 / с. 78-79 [https://www.ester.ee/record=b1346480\\*est](https://www.ester.ee/record=b1346480*est)

**Тиристорные преобразователи питания МГД устройств**

**Tiismus, Hugo; Irs, Rein; Randoja, Toe; Tomson, Jaan** Сборник материалов к VI Таллинскому совещанию по электромагнитным расходомерам и электротехнике жидких проводников. Электромагнитные насосы 1973 / с. 162-168 : ил [https://www.ester.ee/record=b1337031\\*est](https://www.ester.ee/record=b1337031*est)

**Усовершенствованные лабораторные источники питания**

**Sügis, Anatol** Сборник статей по химии и химической технологии. 8 1962 / с. 129-133 : илл [https://www.ester.ee/record=b2181584\\*est](https://www.ester.ee/record=b2181584*est) <https://digikogu.taltech.ee/et/Item/6ec4da4c-96e0-445e-b789-9dde4bb0db38>