A simple modular active power electronic transformer
Roasto, Indrek; Strzelecki, Ryszard Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istambul, Turkey, 01-04 June, 2014 2014 / p. 1976-1980 : ill

A unity-power factor three-phase diodeelements
Sakkos, Tiiu; **Sarv, Vello** PEDC'99 : International Workshop on Power Electronics Equipment for Power Quality Improvement : Slubice, 1999 1999 / p. 72-85

Aasta teadlane: alalisvool aitab parandada hoone energiatõhusust 18 protsenti
Alvela, Ain postimees.ee 2023 Aasta teadlane: alalisvool aitab parandada hoone energiatõhusust 18 protsenti

Accuracy analysis of dual active bridge simulations under different integration methods
Arena, Gabriele; **Vinnikov, Dmitri**; **Chub, Andrii**; de Carne, Giovanni 2022 AEIT International Annual Conference (AEIT) : October 3-5, 2022 2022 / p. 1-6 https://doi.org/10.23919/AEIT56783.2022.9951711

Active learning in electric drives and power electronics
Raud, Zoja; **Vodovozov, Valery** 7th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Narva-Jõesuu, Estonia, 16.06-19.06.2009] 2009 / p. 63-68

Active learning power electronics : a new assessment methodology
Raud, Zoja EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6-8 September 2010, Ohrid, Republic of Macedonia 2010 / p. T14-1 - T14-5

Active learning technology in the field of electronics
Raud, Zoja 2014 https://www.ester.ee/record=b4412028*est

Address from the General Chairman
Zakis, Janis 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 3

Advanced course of power electronics : laboratory works
Jalakas, Tanel; **Vodovozov, Valery**; **Vinnikov, Dmitri** 2008 https://www.ester.ee/record=b2375135*est

Aggregated conducted electromagnetic interference generated by DC/DC converters with deterministic and random modulation
Loschi, Hermes; Smolenski, Robert; Lezynski, Piotr; Nascimento, Douglas; **Demidova, Galina** Energies 2020 / art. 3698 https://doi.org/10.3390/en13143698

Aggregated conducted electromagnetic interference generated by DC/DC converters with deterministic and random modulation
Loschi, Hermes; Smolenski, Robert; Lezynski, Piotr; Nascimento, Douglas; **Demidova, Galina** Industrial and Technological Applications of Power Electronics Systems 2021 / p. 331-339 https://doi.org/10.3390/en13143698

Akadeemik Dmitri Vinnikov : jõuelektroonika on võtmetehnoloogia energia- ja rohepöörde väljakutsetes
Vinnikov, Dmitri Eesti Teaduste Akadeemia sõnas ja pildis 2021 2022 / lk. 25-30 : ill https://www.ester.ee/record=b5054043*est

An experimental study of diffusion welded contacts to p-type silicon carbide
Korolkov, Oleg Telekommunikatsioon 2002 : IX rahvusvahelise telekommunikatsioonipäeva materjalid 2002 / lk. 21-23 : ill

Analysis of capacitor-related mid-voltage point shift problems in high-voltage half-bridge DC/DC converters
Roasto, Indrek; **Vinnikov, Dmitri**; **Lehtla, Tõnu** Proceedings of 2008 IEEE 39th Annual Power Electronics Specialists Conference : PESC 2008 : Rhodes, Greece, 15-19 June 2008 2008 / p. 3619-3622

Analysis of capacitor-related mid-voltage point shift problems in high-voltage half-bridge DC/DC converters
Roasto, Indrek; **Vinnikov, Dmitri**; **Lehtla, Tõnu** PESC 08 : 39th IEEE Annual Power Electronics Specialists Conference : Rhodes, Greece, 15-19 June 2008 : book of one page paper summaries 2008 / p. 573 https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=4592517

Analysis of cost function composition based on the horizon time prediction of an indirect MPC current control in single-phase grid-connected PV inverters
Pimentel, Sergio Pires; **Husev, Oleksandr**; **Vinnikov, Dmitri**; **Stepenko, Serhii** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 6 p. : ill https://doi.org/10.1109/RTUCON48111.2019.8982377

Analysis of drawbacks and reconst[r]uction problems of the R2-type train

Laugis, Juhan; **Vinnikov, Dmitri**; **Boiko, Vitali** The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 355-358 : ill

Annual report 1994-1995 / Tallinn Technical University. Department of Electrical Drive and Power Electronics
Laugis, Juhan 1996

Assessment of higher harmonics influence to PMU measurement accuracy
Löper, Mari; **Salumäe, Uku**; **Kilter, Jako** 2017 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe) : Torino, Italy 26-29 September 2017 : Conference Proceedings 2017 / 6 p. : ill https://doi.org/10.1109/ISGTEurope.2017.8260271

BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia)
Rang, Toomas; **Min, Mart**; **Ubar, Raimund-Johannes** 1994

BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia)
1994 https://www.ester.ee/record=b2150914*est

BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia
Rang, Toomas 2002 http://www.ester.ee/record=b2150914*est

BEC 2004 : Baltic Electronics Conference : Post-Graduate Student Session : Tallinn University of Technology, October 3-6, 2004, Tallinn, Estonia
2004 https://www.ester.ee/record=b1982896*est

BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia
2004 http://www.ester.ee/record=b2150914*est

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
Rang, Toomas 2006 http://www.ester.ee/record=b2150914*est

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
Rang, Toomas 2008 http://www.ester.ee/record=b2150914*est

BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 4-6, 2010, Tallinn, Estonia
Rang, Toomas 2010 http://www.ester.ee/record=b2150914*est

BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia
2012 http://www.ester.ee/record=b2150914*est

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
Rang, Toomas 2014 http://www.ester.ee/record=b2150914*est

BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia
Rang, Toomas 2016 http://www.ester.ee/record=b2150914*est

BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings
Rang, Toomas; **Min, Mart**; **Ubar, Raimund-Johannes** 1996 https://www.ester.ee/record=b2150914*est

BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings
Rang, Toomas 1998 https://www.ester.ee/record=b2150914*est

Code development of a DSP-FPGA based control platform for power electronics applications
Minambres-Marcos, Victor; **Roasto, Indrek**; Szczepankowski, P.; Romero-Cadaval, Enrique; **Vinnikov, Dmitri**; Barrero-Gonzalez, Fermin 2015 IEEE International Conference on Industrial Technology (ICIT 2015) : Seville, Spain, 17-19 March 2015 2015 / p. 2890-2895 : ill https://doi.org/10.1109/ICIT.2015.7125524 Conference proceedings at Scopus Article at Scopus Article at WOS

Comparative evaluation of isolated dc-dc converters for low power applications
Azizi, Mohammadreza; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Veligorskyi, Oleksandr 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC) : Brasov, Romania, 25-28 Sept. 2022 : proceedings 2022 / p. 7-12

https://doi.org/10.1109/PEMC51159.2022.9962944

Comparative study of possible implementations of the flexible power electronic interface for wide-range high step-up applications in DC microgrid
Khan, Salman; **Chub, Andrii**; **Vinnikov, Dmitri**; Kasper, Matthias; Deboy, Gerald 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p https://doi.org/10.1109/CPE-POWERENG60842.2024.10604370

Comparative study of the phase-integrated converter as universal power converter
Husev, Oleksandr; **Matiushkin, Oleksandr**; **Vinnikov, Dmitri**; **Vosoughi Kurdkandi, Naser**; Kouro, Samir Annual IEEE Conference on Applied Power Electronics Conference and Exposition (APEC) 2022 / p. 58-63 https://doi.org/10.1109/APEC43599.2022.9773553 Conference Proceedings at Scopus Article at Scopus

A comparison of a discrete-time PI and an indirect MPC current controllers for a single-phase grid-connected inverter operating with distorted grid and significant computation feedback delay
Pimentel, Sergio Pires; **Husev, Oleksandr**; **Vinnikov, Dmitri**; **Stepenko, Serhii**; **Kütt, Lauri**; Rodriguez, Jose 2019 IEEE 15th Brazilian Power Electronics Conference and 5th IEEE Southern Power Electronics Conference (COBEP/SPEC) 2019 / 6 p.: ill https://doi.org/10.1109/COBEP/SPEC44138.2019.9065396

Comparison of different microcontroller development boards for power electronics applications
Roasto, Indrek; **Vinnikov, Dmitri**; **Lehtla, Tõnu** 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 103-107 : ill

Comparison of time-varying phasor and dq0 dynamic models for large transmission networks
Belikov, Juri; Levron, Yoash International journal of electrical power & energy systems 2017 / p. 65-74 https://doi.org/10.1016/j.ijepes.2017.05.017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Concept maps in Power Electronics education [Electronic resource]
Raud, Zoja; **Vodovozov, Valery**; **Lehtla, Tõnu** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 280-285 : ill [CD-ROM]

Condition monitoring of electrical machines and its relation to IoT
Vaimann, Toomas 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. 55-56 : ill https://www.ester.ee/record=b5183874*est

Configurable PCB to teach DC-DC converters in power electronics
Roasto, Indrek 19th International Symposium “Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III” : Tartu, Estonia, January 14-17, 2020 2020 / p. 19-20 : ill https://www.ester.ee/record=b5291755*est

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 piggyback forward dc-dc converter
Matiushkin, Oleksandr; **Husev, Oleksandr**; **Afshari, Hossein**; **Vinnikov, Dmitri**; **Strzelecki, Ryszard** 2024 IEEE Applied Power Electronics Conference and Exposition (APEC) 2024 / p. 2106-2111 https://doi.org/10.1109/APEC48139.2024.10509355

CPE-POWERENG’23 toob kokku osalejad 30 riigist
toostusest.ee 2023 CPE-POWERENG’23 toob kokku osalejad 30 riigist

Curricula scheduling with educational thesaurus
Raud, Zoja; **Vodovozov, Valery** The 2011 World Congress on Computer Science and Information Technology WCSIT'11, 24-27 January 2011, Cairo, Egypt 2011 / [7 p.] : ill

Curriculum and study subjects in the field of electrical drives and power electronics at Tallinn Technical University
Lehtla, Tõnu Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19-24, 2004 2004 / p. 41-45

DC microgrid: state of art, driving force, challenges and perspectives
Husev, Oleksandr; **Vinnikov, Dmitri** Power Systems Research and Operation : Selected Problems III 2024 / p. 149-190 https://doi.org/10.1007/978-3-031-44772-3_8 Article collection metrics at Scopus Article at Scopus

The DC transformer power electronic building block : powering next-generation converter design
Flores-Bahamonde, Freddy; Renaudineau, Hugues; **Chub, Andrii** IEEE industrial electronics magazine 2023 / p. 21-35 https://doi.org/10.1109/MIE.2022.3147168 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Decentralized control of a UPS systems operating in parallel
Strzelecki, Ryszard; **Vinnikov, Dmitri** 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. 297-300 : ill

Demonstration of mitigation measures and clarification of unclear grid code requirements : Deliverable D1.6 [Online resource]
Rüberg, S.; Sewdien, V.; Rueda Torres, J. L.; **Kilter, Jako** 2019 Deliverable D1.6

Department of Electrical Drives and Power Electronics
Voldek, Aleksander; **Tiismus, Hugo**; **Risthein, Endel**; **Laugis, Juhan** Research activities / Tallinn Technical University 1993 / p. 34-36 https://www.ester.ee/record=b1053754*est

Department of Electrical Power Engineering : annual report 2001
Valdma, Mati; **Möller, Kalju**; **Raesaar, Peeter** 2002 https://www.ester.ee/record=b1684735*est

Design and control for high reliability power electronics: state of the art and future trends
Alcaide, A. M.; Buticchi, Giampaolo; **Chub, Andrii**; **Dalessandro, L.** IEEE journal of emerging and selected topics in industrial electronics 2024 / p. 50-61 https://doi.org/10.1109/JESTIE.2023.3287513

Design and development challenges of power electronics converters for the rolling stock
Jalakas, Tanel; **Vinnikov, Dmitri**; **Laugis, Juhan** Intelligent Technologies in Logistics and Mechatronics Systems : ITELMS'2008 : proceedings of the 3rd International Workshop : May 22-23, 2008, Panevežys, Lithuania 2008 / p. 17-22 : ill

Design and development of solid state circuit breaker with residual current protection for residential prosumer DC microgrids
Jalakas, Tanel; **Chub, Andrii**; **Roasto, Indrek**; **Vinnikov, Dmitri**; **Kurnitski, Jarek** Proceedings of the Estonian Academy of Sciences 2025 / p. 281-290 https://doi.org/10.3176/proc.2025.2S.02

Design and modelling of electric drive in database environment [Electronic resource]
Vodovozov, Valery; **Pettai, Elmo**; **Auväärt, Aivar** ISIE08 : 2008 IEEE International Symposium on Industrial Electronics : 30 June - 2 July 2008, Cambridge, United Kingdom 2008 / p. 764-767 : ill. [CD-ROM] https://ieeexplore.ieee.org/document/4676891

Design issues of SSCBs for residential DC microgrid
Jalakas, Tanel; **Chub, Andrii**; **Roasto, Indrek**; **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/RTUCON62997.2024.10830826

Design of high frequency transformer for isolated bridge-type PFC converter
Zinchenko, Denys; **Blinov, Andrei**; **Vinnikov, Dmitri**; Ormisson, Andres 2020 IEEE 4th International Conference on Intelligent Energy and Power Systems (IEPS), 06.07.2020 - 10.07.2020, Istanbul, Turkey 2020 / 8 p. : ill
https://doi.org/10.1109/IEPS51250.2020.9263134

Design optimization methods of additively manufactured Switched Reluctance Motor = Kihtlisandustehnoloogia abil toodetud samm-mootori optimeerimise meetodid
Andriushchenko, Ekaterina 2023 https://doi.org/10.23658/taltech.16/2023 https://digikogu.taltech.ee/et/Item/382b9eea-7bd1-4140-b124-9f0b580e81bc https://www.ester.ee/record=b5558664*est

Design optimization of permanent magnet clutch with Ārtap framework
Andriushchenko, Ekaterina; Kaska, Jan; **Kallaste, Ants**; **Belahcen, Anouar**; **Vaimann, Toomas**; **Rassõlkin, Anton** Periodica polytechnica electrical engineering and computer science 2021 / p. 106-112 https://doi.org/10.3311/PPee.17007 Journal metrics at Scopus Article at Scopus

Development of a power electronics controller with RISC-V based core for security-critical applications
Swakath, S. U.; Kshirsagar, Abhijit; Kondepu, Koteswararao; 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 / p. 1-5 https://doi.org/10.1109/RTUCON56726.2022.9978737

Development of auxiliary power supplies for the 3.0 kV DC rolling stock
Vinnikov, Dmitri; **Laugis, Juhan**; **Jalakas, Tanel** ISIE2007 : 2007 IEEE International Symposium on Industrial Electronics : June 4-7, 2007, Vigo, Spain : abstract book 2007 / p. 61 https://ieeexplore.ieee.org/document/4374624

The diffusion welded contacts in power electronics
Korolkov, Oleg; **Rang, Toomas** BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 573-578: ill https://www.ester.ee/record=b2150914*est

Discontinuous space vector modulation technique for motor supply
Vodovozov, Valery; **Egorov, Mikhail** EUROCON 2011 : International Conference on Computer as a Tool : April 27-29, Lisbon, Portugal 2011 / [4 p.] : ill

Distorted grid and significant computation feedback delay
Pimentel, Sergio Pires; **Husev, Oleksandr**; **Vinnikov, Dmitri**; **Stepenko, Serhii**; **Kütt, Lauri**; Rodriguez, Jose 2019 IEEE 15th Brazilian Power Electronics Conference and 5th IEEE Southern Power Electronics Conference (COBEP/SPEC 2019) Santos, Brazil, 1-4 December 2019 2019 / p. 1481-1486 http://toc.proceedings.com/52923webtoc.pdf

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

Dmitri Vinnikov, tehnika- ja arvutiteadused [Võrguväljaanne]
Vinnikov, Dmitri Eesti Teaduste Akadeemia : Youtube kanal 2021 / video Dmitri Vinnikov, tehnika- ja arvutiteadused

Dual active bridge based isolation stage for power electronic transformer
Beldjajev, Viktor; **Roasto, Indrek** 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 / lk. 216-219 : ill

Dual-purpose converters for DC or AC grid as energy transition solution : perspectives and challenges
Husev, Oleksandr; **Vinnikov, Dmitri**; Kouro, Samir; Blaabjerg, Frede; Roncero-Clemente, Carlos IEEE industrial electronics magazine 2023 https://doi.org/10.1109/MIE.2022.3230219

Dynamic behaviour of qZS-based bi-directional DC/DC converter in supercapacitor charging mode [Electronic resource]
Zakis, Janis; **Vinnikov, Dmitri**; **Husev, Oleksandr**; Rankis, Ivars SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 764-768 : ill [CD-ROM] https://ieeexplore.ieee.org/document/6264554

Educational collaboration in the field of power electronics and electromechanics
Laugis, Juhan; **Vodovozov, Valery** Материалы Международной конференции : Международное сотрудничество в образовании и науке : Санкт-Петербург, 2-6 июня 2008 года = Proceedings of the International Conference : International Education and Science Cooperation : Saint-Petersburg, June 2-6, 2008 : IESC-2008 2008 / p. 241-245

Educational thesaurus of power electronics
Raud, Zoja; **Vodovozov, Valery** EUROCON 2011 : International Conference on Computer as a Tool : April 27-29, Lisbon, Portugal 2011 / [4 p.] : ill

Eessõna = Foreword
Lehtla, Tõnu Elektriajamite ja jõuelektroonika instituudi aastaraamat 2011, [p.o. 2012] = Annual report 2012 : Department of Electrical Drives and Power Electronics 2013 / lk. 4 https://www.ester.ee/record=b1684735*est

Eessõna = Foreword
Laugis, Juhan Elektriajamite ja jõuelektroonika instituudi aastaraamat 2007 = Annual report 2007 : Department of Electrical Drives and Power Electronics 2008 / lk. 4 https://www.ester.ee/record=b1684735*est

Eessõna = Foreword
Laugis, Juhan Elektriajamite ja jõuelektroonika instituudi aastaraamat 2008 2009 / lk. 4 https://www.ester.ee/record=b1684735*est

Eessõna = Foreword
Laugis, Juhan Elektriajamite ja jõuelektroonika instituudi aastaraamat 2009 2010 / lk. 4 https://www.ester.ee/record=b1684735*est

Eessõna/foreword
Lehtla, Tõnu Elektriajamite ja jõuelektroonika instituudi aastaraamat 2010 2011 / lk. 4 https://www.ester.ee/record=b1684735*est

Eessõna/foreword
Laugis, Juhan Elektriajamite ja jõuelektroonika instituudi aastaraamat 2005 = Annual report 2005 / Department of Electrical Drives and Power Electronics 2006 / 2 p https://www.ester.ee/record=b1684735*est

Eessõna=Foreword
Lehtla, Tõnu Elektriajamite ja jõuelektroonika instituudi aastaraamat 2011 = Annual report 2011 : Department of Electrical Drives and Power Electronics 2012 / lk. 4 https://www.ester.ee/record=b1684735*est

Eesti teadlaste nutikad minimuundurid hoogustavad energiapööööret
Vinnikov, Dmitri; **Chub, Andrii** novaator.err.ee 2024 Eesti teadlaste nutikad minimuundurid hoogustavad energiapööööret

EETELi uusliikme - TTÜ elektriajamite ja jõuelektroonika instituudi tutvustus
Laugis, Juhan Elektriala 2008 / 3, lk. 8-10 : ill., portr

Electric vehicle multiport fast charger based on the concept of active power electronic transformer
Jalakas, Tanel; **Roasto, Indrek**; Gallardo-Lozano, Javier; Romero-Cadaval, Enrique 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 3 2014 / p. 2168-2176 : ill

Electronic engineering
Vodovozov, Valery; **Jansikene, Raik** 2006 http://www.ester.ee/record=b2210447*est

Electronics and semiconductor engineering : laboratory works
Jalakas, Tanel; **Vodovozov, Valery**; **Vinnikov, Dmitri** 2008 https://www.ester.ee/record=b2373748*est

Elektriajamite ja jõuelektroonika instituudi aastaraamat 2005 = Annual report 2005 : Department of Electrical Drives and Power Electronics
2006 https://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituudi aastaraamat 2006 = Annual report 2006 : Department of Electrical Drives and Power Electronics
2007 https://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituudi aastaraamat 2007 = Annual report 2007 : Department of Electrical Drives and Power Electronics
2008 http://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituudi aastaraamat 2008
2009 https://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituudi aastaraamat 2009
2010 https://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituudi aastaraamat 2010
2011 https://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituudi aastaraamat 2011 = Annual report 2011 : Department of Electrical Drives and Power Electronics
2012 http://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituudi aastaraamat 2011, [p.o. 2012] = Annual report 2012 : Department of Electrical Drives and Power Electronics
2013 https://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituut
Loigom, Villem; **Risthein, Endel** Teadustegevus / TTÜ 1993 / lk. 35-36 https://www.ester.ee/record=b1053752*est

Elektriajamite ja jõuelektroonika instituut : aastaraamat 2001 = Department of Electrical Drives and Power Electronics : annual report : 2001
2002 http://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituut : aastaraamat 2002 = Annual report 2002 : Department of Electrical Drives and Power Electronics
2003 http://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituut : aastaraamat 2003 = Department of Electrical Drives and Power Electronics : annual report 2003
2004 http://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituut : aastaraamat 2004 = Department of Electrical Drives and Power Electronics : annual report 2004
2005 https://www.ester.ee/record=b1684735*est

Elektriajamite ja jõuelektroonika instituut sai rikkamaks
Reinde, Urmi Tehnikaülikool 1998 / 23. märts, lk. 2: ill https://www.ester.ee/record=b5309277*est

Elektroonika ja jõupoolljuhttehnika
Vodovozov, Valery; **Jansikene, Raik** 2008 http://www.ester.ee/record=b2394522*est

Elektroonika ja jõupoolljuhttehnika : laboratoorsete tööde juhendid
Jalakas, Tanel; **Jansikene, Raik** 2008 http://www.ester.ee/record=b2373860*est

Emeriitdotsent Jaan Tomson 80. Dotsent Rain Lahtmets 70 : [portreefotod]
Mente et Manu 2006 / lk. 3 https://www.ester.ee/record=b1242496*est

Enhanced switched impedance inverter with tapped inductor
Nozadian, Mohsen Hasan Babayi; **Hassanpour, Naser**; **Khan, Salman** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p https://doi.org/10.1109/CPE-POWERENG60842.2024.10604411

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

EPE-PEMC 2006 Sloveenias, EPE-PEMC 2010 Eestis? : [ka TTÜ elektriajamite ja jõuelektroonika instituudi osalemisest konverentsil]
Teemets, Raivo Elektriala 2006 / 5, lk. 24-25 : ill https://artiklid.elnet.ee/record=b1019675*est

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

Evaluation of high power factor three-phase diode rectifiers with parallel-resonant input filters
Sakkos, Tiiu; **Sarv, Vello** The 3rd International Conference Electric Power Quality and Supply Reliability, September 4...6, 2002, Haapsalu, Estonia : proceedings 2002 / p. 76-79 : ill

Evaluative analysis of 2- and 3-level DC/DC converters for high-voltage high-power applications [Electronic resource]
Vinnikov, Dmitri; **Egorov, Mikhail**; Strzelecki, Ryszard 6th International Conference-Workshop Compatibility and Power Electronics : May 20-22, 2009 : CPE 2009 : conference proceedings 2009 / p. 432-437 [CD-ROM]

Experimental evaluation of a new carrier-based modulation method for a three-level T-type quasi-impedance-source inverter
Gutierrez-Escalona, Javier; Roncero-Clemente, Carlos; Barrero-Gonzalez, Fermin; **Husev, Oleksandr**; **Gonzalez-Romera, Eva**; **Milanes-Montero, Maria Isabel** IET power electronics 2022 / p. 337-348 https://doi.org/10.1049/pel2.12234 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Feasibility study of high-power density of modified isolated CLLC DC-DC interface with wide range of voltage/current regulation
Husev, Oleksandr; **Matiushkin, Oleksandr**; **Mohseni, Parham**; **Canales, Francisco** PCIM Europe 2024 2024 / 10 p https://doi.org/10.30420/566262111

Feasibility study of model predictive control for grid-connected twisted buck-boost inverter
Matiushkin, Oleksandr; **Husev, Oleksandr**; Rodriguez, Jose; Young, Hector; **Roasto, Indrek** IEEE transactions on industrial electronics 2022 / p. 2488-2499 https://doi.org/10.1109/TIE.2021.3068663 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Feasibility Study of Snow Removal from PV Module Using Universal Power Electronic Interface
Chauhan, Sachin; **Chub, Andrii**; **Hasan, Sayeed**; **Lavrov, Artur**; **Kurnitski, Jarek**; **Vinnikov, Dmitri** 7th International Conference on DC Microgrids (ICDCM 2025) 2025 / 5 p

Formation of Diffusion welded Al contacts to semiconductor silicon carbide
Korolkov, Oleg 2004

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

Full soft-switching bidirectional current-fed DC-DC converter
Chub, Andrii; **Kosenko, Roman**; **Blinov, Andrei**; Ivakhno, Volodymyr; Zamaruiev, Volodymyr; Styslo, Bogdan 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 189-194 : ill

Full-bridge fault-tolerant isolated DC-DC converters : overview of technologies and application challenges
Bakeer, Abualkasim Ahmed Ali; **Chub, Andrii**; **Vinnikov, Dmitri** IEEE Power Electronics Magazine 2022 / p. 45-55 https://doi.org/10.1109/MPEL.2022.3196565 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hardware and software of the IGBT power converter
Lehtla, Madis Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists : Tallinn, Estonia, May 31 - June 5, 1999 1999 / p. 67-70: ill

Harmonic emissions of power electronic devices under different transmission network operating conditions
Božicek, Ambrož; **Kilter, Jako**; **Sarnet, Tanel**; Papic, Igor; Blažis, Boštjan IEEE transactions on industry applications 2018 / p. 5216-5226 : ill https://doi.org/10.1109/TIA.2018.2808478 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Harmonic suppression in high power DC controlled reactors for AC power transmission lines
Tellinen, Juhan; **Järvik, Jaan** 8th International Conference on Harmonics and Quality of Power, October 14-16, 1998, Athens, Greece : proceedings. Vol. 2 1998 / p. 844-847: ill https://ieeexplore.ieee.org/document/760152

Harmonic/inter-harmonics detection using modified exact model order-based ESPRIT
Srivastava, Ankit Kumar; Tiwari, A.N; Singh, Sri Niwas; **Singh, Praveen Prakash** International Journal of Power Electronics 2023 / p. 218-233 https://doi.org/10.1504/IJPELEC.2023.10053284 Journal metrics at Scopus Article at Scopus

A high step-up non-isolated dc-dc converter with low voltage stress across transistor
Pourjafar, Saeed; Hemmati Shahsavar, Tala; Hashemzadeh, Seyed Majid; **Husev, Oleksandr**; **Matiushkin, Oleksandr**; **Vinnikov, Dmitri** IEEE transactions on industrial electronics 2024 / p. 15755-15767 https://doi.org/10.1109/TIE.2024.3383025

Holistic cyber-physical approach for the performance evaluation of communication and control systems in DC microgrids
Véliz, Antonio; Contreras, René; Riffo, Sebastián; Restrepo, Carlos; Garcés-Ruiz, Alejandro; **Chub, Andrii**; González-Castaño, Catalina; Flores-Bahamonde, Freddy IEEE journal of emerging and selected topics in power electronics 2025 https://doi.org/10.1109/JESTPE.2025.3564851 https://ieeexplore.ieee.org/document/10977842

Hybrid IGBT-IGCT switch
Blinov, Andrei; **Vinnikov, Dmitri** 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. 161-164 : ill

Hybrid low-power Wind Generation and PV grid-connected system with HPC, PC and MPPT control
Rosa, Carlos; **Vinnikov, Dmitri**; Romero-Cadaval, Enrique; Pires, Vitor; Martins, Joao Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istambul, Turkey, 01-04 June, 2014 2014 / p. 2024-2029 : ill

Impact of component losses on the efficiency of the bi-directional current doubler rectifier based isolation-stage
Beldjajev, Viktor; **Roasto, Indrek** IECON 2012 : 38th Annual Conference of the IEEE Industrial Electronics Society : Industrial Electronics for Sustainable Development 2012 / p. 5209-5215 : ill https://ieeexplore.ieee.org/document/6389548

Impedance-source galvanically isolated DC/DC converters : state of the art and future challenges
Liivik, Liisa; **Chub, Andrii**; **Vinnikov, Dmitri** 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 67-74 : ill

Impedance-source networks : features, benefits and challenges for industrial application : keynote address
Husev, Oleksandr 29th International Workshop on Electric Drives: Advances in Power Electronics for Electric Drives (IWED) 2022 / p. 1 https://doi.org/10.1109/IWED54598.2022.9722589

Implementation of global maximum power point tracking in photovoltaic microconverters: A survey of challenges and opportunities
Vinnikov, Dmitri; **Chub, Andrii**; Kosenko, Roman; **Sidorov, Vadim**; Lindvest, Andre IEEE journal of emerging and selected topics in power electronics 2023 / p. 2259-2280: ill https://doi.org/10.1109/JESTPE.2021.3137521 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Implementation of MPPT hill climbing technique for forward based DC-DC converter
Matiushkin, Oleksandr; **Husev, Oleksandr**; Romero-Cadaval, Enrique; 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-POWERENG60842.2024.10604422

Improved high-power-factor three-phase diode rectifiers using ripple-power re-rectification
Sakkos, Tiiu; **Sarv, Vello**; **Järvik, Jaan** 9th European Conference on Power Electronics and Applications : 27-29 August 2001, Graz, Austria 2001 / p. DS3.1-1 : ill

Improved high-power-factor three-phase diode rectifiers using ripple-power re-rectification [Electronic resource]
Sakkos, Tiiu; **Sarv, Vello**; **Järvik, Jaan** EPE 2001 : 9th European Conference on Power Electronics and Applications : 27-29 August 2001, Graz 2001 / [9] p. : ill. [CD-ROM]

Improving laboratory training in power electronics
Raud, Zoja 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. 152-155

An indirect model predictive current control (CCS-MPC) for grid-connected single-phase three-level NPC quasi-z-source PV inverter
Pires Pimentel, Sergio; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Roncero-Clemente, Carlos; **Stepenko, Serhii** 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.2018.8659840

Interinstitutional activity in professional training in power electronics
Vodovozov, Valery; **Vinnikov, Dmitri**; **Laugis, Juhan**; **Lehtla, Tõnu** Технічна електродинамика 2008 / 7, с. 58-61 : ил https://ieeexplore.ieee.org/document/4581146

Interinstitutional activity in professional training in power electronics [Electronic resource]
Vodovozov, Valery; **Vinnikov, Dmitri**; **Laugis, Juhan**; **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. 492-495 : ill. [CD-ROM] https://ieeexplore.ieee.org/document/4581146

Interleaved single-phase quasi-Z-source inverter with special modulation technique
Roncero-Clemente, Carlos; **Husev, Oleksandr**; Stepenko, Serhii; Romero-Cadaval, Enrique; **Vinnikov, Dmitri** 2017 IEEE First Ukraine Conference on Electrical and Computer Engineering (UKRCON) : May 29 - June 2, 2017, Kyiv, Ukraine : conference proceedings 2017 / p. 593-598 : ill https://doi.org/10.1109/UKRCON.2017.8100310

Introducing active exercises into the bachelor courses of electronics
Raud, Zoja 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. 174-179

Investigation of electrical characteristics of SiC based complementary JBS structures
Kurel, Raido 2005 https://www.ester.ee/record=b2053292*est

Isolated matrix converters = Isoleeritud maatriksmuundurid
Korkh, Oleksandr 2021 https://www.ester.ee/record=b5395693*est https://digikogu.taltech.ee/et/Item/34baf9fc-42aa-45ce-b071-3b8886c7903e https://doi.org/10.23658/taltech.4/2021

Isolation stage for power electronic transformer : dual active bridge vs bi-directional current doubler rectifier [Electronic resource]
Beldjajev, Viktor; **Roasto, Indrek**; **Zakis, Janis** SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 849-854 : ill [CD-ROM] https://ieeexplore.ieee.org/document/6264545

Jõuelektroonika
Vodovozov, Valery; **Jansikene, Raik** 2008 http://www.ester.ee/record=b2394527*est

Jõuelektroonika
Joller, Jüri 1996 https://www.ester.ee/record=b1054897*est

Jõuelektroonika : laboratoorsete tööde juhendid
Jalakas, Tanel; **Jansikene, Raik** 2008 http://www.ester.ee/record=b2375029*est

Jõuelektroonika : magistritöö
Joller, Jüri 1996 https://www.ester.ee/record=b2688069*est

Jõuelektroonika erikursus : laboratoorsete tööde juhendid
Jalakas, Tanel 2008 http://www.ester.ee/record=b2375053*est

Jõuelektroonika ja elektriajamid
Lehtla, Tõnu 2003 http://www.ester.ee/record=b1792327*est

Jõuelektroonika on võtmetehnoloogia energia- ja rohepöörde ülesannetes
Arvamus, kultuur : [ajalehe Postimees lisa] 2022 / lk. 10 https://dea.digar.ee/article/ak/2022/04/02/7.1 "Jõuelektroonika on võtmetehnoloogia

energia- ja rohepöörde ülesannetes"

Jõuelektroonika suurfoorum Trondheimis
Lehtla, Tõnu Pingering 1997 / 25. sept., lk. 3 : ill

Jõuelektroonika teeb energiapöörde võimalikuks ja elu paremaks
Vinnikov, Dmitri Sirp 2024 / lk. 30 : fot https://www.sirp.ee/jouelektroonika-teeb-energiapoorde-voimalikuks-ja-elu-paremaks/

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

Laboratory setup for teaching an advanced course of power electronics
Jalakas, Tanel; **Vinnikov, Dmitri**; **Vodovozov, Valery** 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 149-154 : ill

LCCT-derived three-level three-phase inverters
Shults, Tatiana; **Husev, Oleksandr**; Blaabjerg, Frede; **Zakis, Janis**; Khandakji, Kamal IET power electronics 2017 / p. 996-1002 https://doi.org/10.1049/iet-pel.2016.0023 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Light-load efficiency improvement of galvanically isolated quasi-Z-source DC-DC converter for photovoltaic applications
Mashinchi Maheri, Hamed; **Chub, Andrii**; **Vinnikov, Dmitri** 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/COMPEL49091.2020.9265800

Load adapting mains frequency resonant converters for supplying electrical arc - a new way in power electronics
Janson, Kuno; **Järvik, Jaan** PESC '98 : Record of the 29th Annual IEEE Power Electronics Specialists Conference, Fukuoka, Japan, May 17-22, 1998. Vol. 2 1998 / p. 2090-2096: ill https://ieeexplore.ieee.org/document/703468

Load flow modelling in local energy community electric power systems
Korõtko, Tarmo; Drovtar, Imre; Mutule, Anna; Kairisa, Evita; **Rosin, Argo** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 7 p https://doi.org/10.1109/ENERGYCON53164.2022.9830203

Magnetically integrated multiport converter for energy management in DC-powered buildings
Carvalho da Silva, Edivan Laercio; **Chub, Andrii**; **Blinov, Andrei**; **Banavath, Satish Naik**; **Vinnikov, Dmitri** Eletrônica de Potência 2024 / art. 202445 https://doi.org/10.18618/REP.e202445%20%20

Microgrid for the Department of Electrical Drives and Power Electronics
Palamar, Andriy; **Pettai, Elmo** 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. 54-61

Mission profile resolution impacts on the thermal stress and reliability of power devices in PV inverters
Sangwongwanich, Ariya; Zhou, D.; **Liivik, Elizaveta**; Blaabjerg, Frede Microelectronics reliability 2018 / p. 1003-1007
https://doi.org/10.1016/j.microrel.2018.06.094

Model-free deep reinforcement learning-based current control for the dual-purpose dc-dc/ac power converter
Gutierrez-Escalona, Javier; Roncero-Clemente, Carlos; **Husev, Oleksandr**; **Matiushkin, Oleksandr**; Barrero-Gonzalez, Fermin; Gonzalez-Romera, Eva 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p https://doi.org/10.1109/CPE-POWERENG60842.2024.10604305

Model-free predictive control for improved performance and robustness of three-phase quasi Z-source inverters
Abid, Abderahmane; **Bakeer, Abualkasim Ahmed Ali**; Albalawi, Hani; Bouzidi, Mansour; Lashab, Abderezak; **Chub, Andrii**; Zaid, Sherif A. IEEE Access 2024 / p. 87850-87863 https://doi.org/10.1109/ACCESS.2024.3417397

Modified inductive multi-coil wireless power transfer approach based on Z-source network
Pakhaliuk, Bohdan; **Husev, Oleksandr**; Shevchenko, Viktor; Zakis, Janis; Khomenko, Maksym; Strzelecki, Ryszard IEEE journal of emerging and selected topics in power electronics 2021 / p. 4906-4917: ill https://doi.org/10.1109/JESTPE.2020.3041565 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modular approach to training hardware design for modular teaching [Electronic resource]
Galkin, Ilja; **Laugis, Juhan** EPE-PEMC 2006 : 12th International Power Electronics and Motion Control Conference : Portorož, Slovenia, August 30 - September 1, 2006 : proceedings 2006 / p. 1715-1720 : ill. [CD-ROM]

https://ieeexplore.ieee.org/document/4778652

Multifunctional energy router for residential applications = Multifunktsionaalne energiaruuter eramutele
Najafzadeh, Mahdiyyeh 2022 https://doi.org/10.23658/taltech.25/2022 https://digikogu.taltech.ee/et/Item/6914b8ca-7ca5-49d1-868a-a6de9192f8b4 https://www.ester.ee/record=b5501867*est

Necessity to use the standard IEC 61850
Dmitrenko, Igor 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 34-37 : ill

40 aastat TTÜ elektriajamite ja jõuelektroonika instituuti
Tomson, Jaan; **Lahtmets, Rain** Energia Teataja = Энерговестник 1996 / lk. 22-25, 54-56 : ill
https://www.ester.ee/record=b1072156*est

A new master-slave based centralized control method for an AC microgrid with multiple distributed energy resources
Habibnia, Saba; Mahdavi, Mohammad Saeed; Gharehpetian, Gevork B.; **Ahmadiahangar, Roya**; **Rosin, Argo**; **Vinnikov, Dmitri** IEEE 13th International Symposium on Power Electronics for Distributed Generation Systems (PEDG) 2022 / 6 p.
https://doi.org/10.1109/PEDG54999.2022.9923216

A new single-phase flying inductor-based common grounded converter for dual-purpose application
Husev, Oleksandr; **Vosoughi Kurdkandi, Naser**; Marangalu, Milad Ghavipanjeh; **Vinnikov, Dmitri**; Hosseini, Seyed Hossein IEEE transactions on industrial electronics 2023 / p. 7913-7923 https://doi.org/10.1109/TIE.2022.3215832 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Numerical simulations of wideband SiC N-N heterostructure diode
Patankar, Udayan Sunil; **Koel, Ants**; **Pardy, Tamas** LAEDC 2020 : Latin American Electron Devices Conference, San José, Costa Rica, February 25-28, 2020 2020 / 4 p https://doi.org/10.1109/LAEDC49063.2020.9073489

Nurgakivi uuele õppehoonele : [elektriajamite ja jõuelektroonika instituut]
Tehnikaülikool 1992 / 5. märts, lk. 3: ill

Optimization of a 3D-printed permanent magnet coupling using genetic algorithm and Taguchi method
Andriushchenko, Ekaterina; **Kallaste, Ants**; **Belahcen, Anouar**; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Heidari, Hamidreza**; **Tiismus, Hans** Electronics 2021 / art. 494, 16 p. : ill https://doi.org/10.3390/electronics10040494 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Overview on digital twin for autonomous electrical vehicles propulsion drive system
Mohamed, Mahmoud Ibrahim Hassanin; **Rassõlkin, Anton**; **Vaimann, Toomas**; **Kallaste, Ants** Sustainability 2022 / art. 601 https://doi.org/10.3390/su14020601 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

P and Q control strategy for single phase Z/qZ source inverter based on d-q frame
Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; **Husev, Oleksandr**; **Vinnikov, Dmitri** Proceedings : 2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE) : Grand Cevahir Hotel and Convention Center, Istambul, Turkey, 01-04 June, 2014 2014 / p. 2048-2053 : ill

Partial Power Processing and its Emerging Applications : Chapter 7
Hassanpour, Naser; **Chub, Andrii**; **Blinov, Andrei**; Kouro, Samir Power electronics for next-generation drives and energy systems, Vol. 1: converters and control for drives 2022 / p. 211-242 https://digital-library.theiet.org/content/books/10.1049/pbpo207f_ch7

Performance comparison of voltage-fed and current-fed series resonant converters for high step-up DC-DC applications
Khan, Salman; **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-POWERENG63314.2025.11027290

Photovoltaic module and submodule level power electronics and control
Spagnuolo, Giovanni; Kouro, Samir; **Vinnikov, Dmitri** IEEE Transactions on Industrial Electronics 2019 / p. 3856 - 3859 https://doi.org/10.1109/TIE.2018.2883187 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photovoltaic string converter with universal compatibility with AC and DC microgrids = Alalis- ja vahelduvvoolu mikrovõrkudega ühilduv universaalne muundur päikese-elektrijaamadele
Matiushkin, Oleksandr 2022 https://doi.org/10.23658/taltech.27/2022 https://digikogu.taltech.ee/et/Item/b818b684-924e-4fda-b414-fe8b7adba165 https://www.ester.ee/record=b5502078*est

Power electronic converters
Vodovozov, Valery; **Jansikene, Raik**; **Risthein, Endel** 2006 http://www.ester.ee/record=b2156786*est

Power electronic interface converter for resource efficient buildings

Roasto, Indrek; **Rosin, Argo**; **Jalakas, Tanel** IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society : proceedings : China National Convetion Center, Beijing, China, 29. October - 01. November, 2017 2017 https://doi.org/10.1109/IECON.2017.8216617

Power Electronic Systems for Efficient and Sustainable Energy Supply
2019 https://www.mdpi.com/journal/energies/special_issues/power_electronic_systems_for_eses

Power electronics : electrical energy converters
Raud, Zoja; **Vodovozov, Valery** 2014 https://www.ester.ee/record=b4421523*est

Power electronics : laboratory works
Jalakas, Tanel; **Vodovozov, Valery**; **Vinnikov, Dmitri** 2008 http://www.ester.ee/record=b2373811*est

Power electronics and electrical drives
Lehtla, Tõnu 2003 http://www.ester.ee/record=b1860163*est

Power electronics and information technology - means for a sustainable future
Alaküla, Mats BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 381-386

Predictive control for isolated matrix rectifier without current distortion at sector boundary
Emiliani, Pietro; **Blinov, Andrei**; de Carne, Giovanni; Arena, Gabriele; **Vinnikov, Dmitri** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p https://doi.org/10.1109/CPE-POWERENG58103.2023.10227405

Preliminary approach to the timing measurements for reverse recovery applied to the SiC Schottky diode model
Pikkov, Mihhail The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 321-322 : ill

Presentation of the European project MIGRATE
Grasset, H.; Popov, M.; Zargar, B.; **Kilter, Jako** Eight Protection, Automation and Control (PAC) World Conference : Wroclaw, Poland, 27-29 June 2017 2017 / p. THA05, [6] p

Professional thesaurus for learning electrical drives and power electronics
Raud, Zoja 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. 154-159 : ill

Professor Dmitri Vinnikov: jõuelektroonikal on tähtis roll rohepöördes [Võrguväljaanne]
toostusuudised.ee 2021 "Professor Dmitri Vinnikov: jõuelektroonikal on tähtis roll rohepöördes"

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

Project-based collaborative learning of electrical engineering master students
Raud, Zoja; **Vodovozov, Valery** IEEE EDUCON 2010 Conference : Madrid 2010 : program book 2010 / p. 382
https://www.researchgate.net/publication/224148610_Project-based_collaborative_learning_of_electrical_engineering_master_students

Propulsion drives and control algorithms of electrical vehicles
Mohamed, Mahmoud Ibrahim Hassanin; **Rassõlkin, Anton**; **Vaimann, Toomas**; **Kallaste, Ants** Handbook of power electronics in autonomous and electric vehicles 2024 / p. 139-159 https://doi.org/10.1016/B978-0-323-99545-0.00009-9

Protection of bidirectional Step-Up/Down partial power converter against short circuit and open circuit faults and mode transition issues
Hassanpour, Naser; **Chub, Andrii**; **Blinov, Andrei**; **Yadav, Neelesh**; **Hasan, Sayeed**; **Vinnikov, Dmitri** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p
https://doi.org/10.1109/CPE-POWERENG60842.2024.10604315

QZSI DC/DC converters in input-series output-parallel connection for distributed generation [Electronic resource]
Martinez, C.; **Jalakas, Tanel**; **Vinnikov, Dmitri**; Lazaro, A.; Barrado, A. SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 952-957 : ill [CD-ROM] https://ieeexplore.ieee.org/document/6264536

Rahvusvaheline konverents CPE2011 Tallinnas : [1.-3. juunini toimunud jõuelektroonika ja ühilduvuse alane konverents]
Roasto, Indrek Mente et Manu 2011 / lk. 2 : fot https://www.ester.ee/record=b1242496*est

Rapid prototyping - speed up your power electronic design

Roasto, Indrek 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. 47-48 : ill
https://www.ester.ee/record=b5183874*est

Reliability evaluation of the universal power electronic interface converter for PV applications
Khan, Salman; **Chub, Andrii**; **Vinnikov, Dmitri**; Kasper, Matthias; Deboy, Gerald 2024 IEEE 21st International Power Electronics and Motion Control Conference (PEMC) 2024 / 8 p https://doi.org/10.1109/PEMC61721.2024.10726360

Research and development of an active learning technology for university-level education in the field of electronics and power electronics = Aktiivõppetehnoloogia uurimine ja väljatöötamine kõrghariduse õppekavale elektroonika ja jõuelektroonika valdkonnas
Raud, Zoja 2012 https://www.ester.ee/record=b2781667*est

Research and development of high-power high-voltage DC/DC converters = Võimsate kõrgepingeliste alalispingemuundurite uurimine ja välmimine
Jalakas, Tanel 2010 https://www.ester.ee/record=b2607120*est

Research and development of the new topologies for the isolation stage of the power electronic transformer = Jõuelektroonilise trafo isolatsioonilüli uudsete topoloogiate uurimine ja arendamine
Beldjajev, Viktor 2013 http://www.ester.ee/record=b2969664*est

Research and study process in the Department of Electrical Drives and Power Electronic
Laugis, Juhan Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists, Lohusalu, Estonia, June 1-8, 1997 1997 / p. 19-24: ill

Research and study process in the Department of Electrical Drives and Power Electronics TTU
Lehtla, Tõnu; **Lahtmets, Rain** Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists : Tallinn, Estonia, May 31 - June 5, 1999 1999 / p. 9-11

Research, design and implementation of galvanically isolated impedance-source DC-DC converters = Galvaaniliselt isoleeritud impedantsallikaga alalispingemuundurite uurimine, süntees ja rakendamine
Chub, Andrii 2016 http://digi.lib.ttu.ee/i/?6209 https://www.ester.ee/record=b4601191*est

Review of the present state, development trends, and advancements of power electronic converters used in robotics
Vodovozov, Valery; **Raud, Zoja** Energies 2025 / art. 2638 https://doi.org/10.3390/en18102638

SEU study of wideband heterostructure diode for particle detection
Patankar, Udayan Sunil; **Koel, Ants** 2021 IEEE International Conference on Consumer Electronics (ICCE) 2021 / 4 p. : ill
https://doi.org/10.1109/ICCE50685.2021.9427613 Conference Proceedings at Scopus Article at Scopus Article at WOS

Shade-tolerant photovoltaic microinverter with time adaptive seamless P-V curve sweep MPPT [Electronic resource]
Vinnikov, Dmitri; **Kosenko, Roman**; **Chub, Andrii**; **Liivik, Elizaveta** 19th European Conference on Power Electronics and Application : EPE'17 ECCE Europe : September 11-14, 2017, Warsaw, Poland 2017 / p. P1-P7 : ill. [USB]
https://doi.org/10.23919/EPE17ECCEEurope.2017.8099366

SiC и GaAs диоды в устройствах силовой электроники
Blinov, Andrei; **Vinnikov, Dmitri**; **Rang, Toomas** Технічна електродинаміка : тематичний випуск : силова електроніка та енергоефективність 2012 / с. 42-46 : ил

Simulation and evaluation of control methods for the rolling stock static auxiliary converter based on three-level NPC inverter topology [Electronic resource]
Roasto, Indrek; **Vinnikov, Dmitri**; **Vodovozov, Valery** POWERENG 2009 : 2nd International Conference on Power Engineering, Energy and Electrical Drives : 18-20 March, 2009, Lisbon, Portugal 2009 / p. 593-598 : ill. [CD-ROM]
https://ieeexplore.ieee.org/document/4915176/similar#similar

Simulation in learning power electronics
Laugis, Juhan; **Lehtla, Tõnu**; **Vodovozov, Valery** 7th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Narva-Jõesuu, Estonia, 16.06-19.06.2009] 2009 / p. 83-88

Simulation instruments to study power electronics of motor drives [Electronic resource]
Raud, Zoja; **Vodovozov, Valery**; **Jalakas, Tanel**; **Laugis, Juhan** 6th International Conference-Workshop Compatibility and Power Electronics : May 20-22, 2009 : CPE 2009 : conference proceedings 2009 / p. 306-310 [CD-ROM]

Simulation study of inverter-fed motor drives
Egorov, Mikhail 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. 165-168 : ill

Simulation tools to study power electronics [Electronic resource]
Raud, Zoja; **Vodovozov, Valery**; **Lehtla, Tõnu**; **Pettai, Elmo** EPE 2009 : 13th European Conference on Power Electronics and Applications : 8-10 September 2009, Barcelona, Spain 2009 / ? p. [CD-ROM]

Single-stage series-connected isolated converters for MVAC to DC applications
Blinov, Andrei; **Chub, Andrii**; **Vinnikov, Dmitri**; Bayhan, Sertac Workshop on Smart Grid and Renewable Energy (SGRE) 2022 / 4 p https://doi.org/10.1109/SGRE53517.2022.9774185

Single-stage single-phase current source inverter for standalone applications
Sohail, Umer; **Blinov, Andrei**; Østrem, Trond; Hoff, Bjarte; **Carvalho, Edivan Laercio** IECON Proceedings (Industrial Electronics Conference) IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society 2024 / 6 p https://doi.org/10.1109/IECON55916.2024.10905718 Conference proceedings at Scopus Article at Scopus

Snubberless boost full-bridge converters: analysis of soft switching performance and limitations
Blinov, Andrei; **Kosenko, Roman**; **Chub, Andrii**; **Vinnikov, Dmitri** International journal of circuit theory and applications 2019 / p. 1−25 : ill https://doi.org/10.1002/cta.2626 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Staff training for servicing special power electronic applications [Electronic resource]
Raud, Zoja; **Vodovozov, Valery** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 319-324 [CD-ROM] https://ieeexplore.ieee.org/document/5942254

Startup implementation in universal power electronics interface with dual-standard output for DC microgrid applications
Chauhan, Sachin; **Khan, Salman**; **Chub, Andrii**; **Vinnikov, Dmitri**; Wunder, Bernd; Flores-Bahamonde, Freddy 2025 IEEE 19th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2025 / 6 p https://doi.org/10.1109/CPE-POWERENG63314.2025.11027310

Startup sequence for a grid connected single phase voltage source inverter
Roasto, Indrek; **Jalakas, Tanel**; **Rosin, Argo** 2017 IEEE International Symposium on Industrial Electronics (ISIE) : Edinburgh International Conference Centre, Edinburgh, Scotland, United Kingdom, 19-21 June, 2017 : proceedings 2017 / p. 1787-1791 : ill https://doi.org/10.1109/ISIE.2017.8001519

State of the art of active power electronic transformers for smart grids
Roasto, Indrek; Romero-Cadaval, Enrique; Martins, Joao; Smolenski, Robert IECON 2012 : 38th Annual Conference of the IEEE Industrial Electronics Society : Industrial Electronics for Sustainable Development 2012 / p. 5241-5246 : ill https://ieeexplore.ieee.org/document/6389543

Step-Up series-resonant DC-DC converter with switched mode rectifier operating at fixed switching frequency
Chub, Andrii; **Bakeer, Abualkasim Ahmed Ali**; **Vinnikov, Dmitri** 2020 IEEE 11th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), 28 Sept.-1 Oct. 2020, Dubrovnik, Croatia 2020 / p. 597-601 https://doi.org/10.1109/PEDG48541.2020.9244312

Sujuvkäivitid ja sagedusmuundurid
Lehtla, Tõnu 1999 https://www.ester.ee/record=b1282859*est

Tallinn University of Technology : [department of electrical drives and power electronics, faculty of power engineering]
Vinnikov, Dmitri The ECPE network : member companies and competence centres 2012 / p. 138 : ill

Tallinna Tehnikaülikool. Elektriajamite ja jõuelektroonika instituut : [asutatud 1956]
1996

Tallinna Tehnikaülikooli elektriajamite ja jõuelektroonika instituudi arenguteest : [instituudi 45. aastapäeval]
Laugis, Juhan Elektriala 2001 / 4, lk. 9-11 : fot

TalTechi aasta teadlane Dmitri Vinnikov tegutseb selle nimel, et rohepöörde saaks teha praktiliselt ja mõistlike kuludega
Vinnikov, Dmitri digi.geenius.ee 2023 TalTechi aasta teadlane Dmitri Vinnikov tegutseb selle nimel, et rohepöörde saaks teha praktiliselt ja mõistlike kuludega

Teaching power electronics using object-oriented approach
Raud, Zoja 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. 51-52 https://www.ester.ee/record=b5183874*est

Technology of studing of a subject "Power electronics" at a speciality "Automatic systems"
Ruban, Olga 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 67-72 : ill

Tehnikaülikoolis seati üles tehase mudel : [tehase tsehhi töötav mudel elektriajamite ja jõuelektroonika instituudis]
Äripäev 2005 / 7. dets., lk. 8

Tehnoloogia ja ajamid
Lahtmets, Rain 2006 https://www.ester.ee/record=b2171348*est

Tehnoloogia ja ajamid
Lahtmets, Rain 2008 https://www.ester.ee/record=b2458261*est

The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings
Rang, Toomas 2000 https://www.ester.ee/record=b2150914*est

The Department of Electrical Drives and Power Electronics of Tallinn Technical University
Laugis, Juhan Baltic electrical engineering review 1998 / 1, p. 6-7

The diffusion welded contacts in power electronics and electrotechnics
Korolkov, Oleg Telekommunikatsioon '98 : rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid, 15. mai 1998 1998 / lk. 84-86: ill

7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum
2011 https://www.ester.ee/record=b2695380*est

A Toolbox to design inverters for automotive applications
Vodovozov, Valery; **Raud, Zoja**; **Lehtla, Tõnu** Recent Researches in Applications of Electrical and Computer Engineering : [proceedings of the AEE'12, ACE'12, CSS'12 : Vouliagmeni Beach, Athens, Greece, March 7-9, 2012] 2012 / p. 190-195 : ill
https://www.researchgate.net/publication/262257028_A_toolbox_to_design_inverters_for_automotive_applications

Topology morphing control of low-cost PV microconverters
Mashinchi Maheri, Hamed; **Vinnikov, Dmitri**; **Chub, Andrii**; **Sidorov, Vadim** 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC), 25-29 April 2021, Gliwice, Poland : proceedings 2021
https://doi.org/10.1109/PEMC48073.2021.9432496

Tracking of MPP for three-level neutral-point clamped qZ-source off-grid inverter in solar applications
Roncero-Clemente, Carlos; **Husev, Oleksandr**; Minambres-Marcos, Victor; Romero-Cadaval, Enrique; Stepenko, Serhii; **Vinnikov, Dmitri** Journal of microelectronics, electronic components and materials 2013 / p. 212-221 : ill
https://www.researchgate.net/publication/259495902_Tracking_of_MPP_for_three-level_neutral-point_clamped_qZ-source_off-grid_inverter_in_solar_applications

Transactive energy : power electronics challenges
Martins, João F.; Romero-Cadaval, Enrique; **Vinnikov, Dmitri**; Malinowski, Mariusz IEEE Power Electronics Magazine 2022 / p. 20-32 https://doi.org/10.1109/MPEL.2022.3140981 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

TTÜ aasta teadlane 2016 Dmitri Vinnikov : energeetikateaduskonnas on oma olemuselt rakendusteadus
Vähi, Kersti Mente et Manu 2017 / lk. 22-25 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_02_2017/index.html
https://artiklid.elnet.ee/record=b2816026*est

TTÜ elektriajamite ja jõuelektroonika instituut moderniseeris BLRT kraana
Vinnikov, Dmitri; **Boiko, Vitali** Mente et Manu 2005 / 5. mai, lk. 3 : fot https://www.ester.ee/record=b1242496*est

TTÜ jõuelektroonikute edu : [TTÜ elektriajamite ja jõuelektroonika instituut sai kompetentsikeskuse tiitli : lühisõnum]
Mente et Manu 2011 / lk. 2 https://www.ester.ee/record=b1242496*est

Tudengite teadustöö säästab elektrikulu : [üliõpilaste teadustööde konkursi tehnikateaduste valdkonnas võitjate Andres Arukaevu ja Meelis Mälteri tööst]
Paikre, Eve Postimees 1998 / lk. 3 : fot (Tallinn)

Tugevvooluelektrikute ettevalmistamisest TTÜ elektriajamite ja jõuelektroonika instituudis
Laugis, Juhan Elektriala 1999 / 1, lk. 26-27; 2, lk. 26-27: fot

2018 16th Biennial Baltic Electronics Conference (BEC) : TalTech University, October 8-10, 2018, Tallinn, Estonia [Online resource]
2018 https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8560605 https://www.ester.ee/record=b2150914*est

Universal galvanically isolated DC-DC converters with topology morphing control = Universaalsed topoloogiat muutva

juhtimisega galvaaniliselt isoleeritud alalispingemuundurid
Sidorov, Vadim 2023 https://doi.org/10.23658/taltech.17/2023 https://digikogu.taltech.ee/et/Item/96dbe736-5976-431c-ae55-7fc2d4ead55e https://www.ester.ee/record=b5558654*est

Universities collaboration in teaching power electronics [Electronic resource]
Vodovozov, Valery; **Laugis, Juhan** EPE 2007 : 12th European Conference on Power Electronics and Applications : 2-5 September 2007, Aalborg, Denmark 2007 / [8] p. [CD-ROM]

Using the MathCAD in the teaching process of electrical engineers
Soonpuu, Jelizaveta; **Jansikene, Raik** Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists : Tallinn, Estonia, May 31 - June 5, 1999 1999 / p. 82-83: ill

Uudne laadija võimaldaks odavamalt elektriautode laadimisvõrku tihendada [Võrguväljaanne]
Oidermaa, Jaan-Juhan novaator.err.ee 2022 Uudne laadija võimaldaks odavamalt elektriautode laadimisvõrku tihendada

Uued doktorid : [11. sept. kaitses elektriajamite ja jõuelektroonika instituudi doktorant Madis Lehtla doktoritööd : lühisõnum]
Mente et Manu 2006 / lk. 2 https://www.ester.ee/record=b1242496*est

WEB-based learning content management system of power electronics
Vodovozov, Valery; **Raud, Zoja** EUROMEDIA'2011 : featuring : Sixteenth Annual Scientific Conference on Web Technology, New Media Communications and Telematics Theory Methods, Tools and Applications : April 18-20, 2011, London, United Kingdom 2011 / p. 21-23

Versatile laboratory tools for advanced cource of power electronics
Jalakas, Tanel; **Vinnikov, Dmitri**; **Roasto, Indrek**; **Raud, Zoja**; **Egorov, Mikhail** 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. 277-280 : ill

Virtual lab to study power electronic converters [Electronic resource]
Raud, Zoja; **Vodovozov, Valery** SPEEDAM 2010 : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Pisa, Italy, 14th-16th June, 2010 2010 / p. 703-708 [CD-ROM]
https://www.researchgate.net/publication/241171359_Virtual_lab_to_study_power_electronic_converters

Virtual lab to study power electronics in LabVIEW framework
Raud, Zoja; **Vodovozov, Valery** 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.2019.8818275

Värske akadeemik Dmitri Vinnikov: jõuelektroonikal on tähtis roll rohepöördes [Võrguväljaanne]
digi.geenius.ee 2021 "Värske akadeemik Dmitri Vinnikov: jõuelektroonikal on tähtis roll rohepöördes"

О нововведениях в учебном процессе в Институте электропривода и силовой электроники Таллиннского технического университета
Lehtla, Tõnu; **Laugis, Juhan**; **Vinnikov, Dmitri** Технічна електродинаміка 2005 / 2, с. 100-103

О развитии научно-исследовательского направления "Приборы и устройства силовой полупроводниковой электроники"
Velmre, Enn Развитие научных исследований в области технических наук в Эстонской ССР : тезисы республиканской конференции, Таллин, 15-16 октября 1986 г. 1986 / с. 136-139 https://www.ester.ee/record=b1231513*est

Об институте электропривода и силовой электроники
Laugis, Juhan; **Vinnikov, Dmitri**; **Lahtmets, Rain** Международная конференция "80 лет отечественной школы электропривода" 2002 / ? p

Об опыте проведения курсов повышения квалификации в институте электропривода и силовой электроники Таллиннского технического университета
Boiko, Vitali; **Vinnikov, Dmitri** International Conference Automation and Control Technologies - 2005 2005 / p. 15-17

Разработка и исследование статического преобразователя напряжения для трамвая
Vinnikov, Dmitri Силовая электроника и энергоэффективность : международная научно-техническая конференция (МНТК СЭЭ'2002) 2002 / ? p

Тенденции развития силовой электроники на НПО "Электротехника" в 1990-1995 гг.
Беркович Е.И.; Мотыль А.П.; Тарс Я.А. Тезисы докладов семинара "Новые разновидности электропривода и возможности их применения" 1990 / с. 26-28

Численное моделирование мощных диодов Шоттки на ЭВМ

Rang, Toomas; **Udal, Andres** Известия высших учебных заведений : международный ежемесячный научно-технический журнал. Радиоэлектроника 1983 / с. 92-93 https://www.ester.ee/record=b2768571*est