Analysis of various ventilation solutions for residential and non-residential buildings in Latvia and Estonia
Zemitis, Jurgis; Borodinecs, Anatolijs; **Kalamees, Targo** Cold Climate HVAC 2018 : Sustainable buildings in cold climates : proceedings of the 9th Cold Climate HVAC conference, Kiruna, Sweden, 2018, 12-15 March 2019 / p. 51-61
https://doi.org/10.1007/978-3-030-00662-4_5

Business process efficiency in a digital economy
Prokopenko, Olha; Shmorgun, Leonid; Kushniruk, Viktor International journal of management 2020 / p. 122–132 : ill
https://doi.org/10.17605/OSF.IO/R7C65 Journal metrics at Scopus Article at Scopus

Circulation centrifugal pump with variable speed drives and minimal electricity consumption
Vodovozov, Valery; **Gevorkov, Levon**; **Raud, Zoja** 2017 11th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2017) : Cadiz, Spain, 4-6 April 2017 2017 / p. 334-339 : ill
http://dx.doi.org/10.1109/CPE.2017.7915193

Comparison of district heating supply options for different CHP configurations
Ruševljuk, Pavel; **Dedov, Andrei**; **Hlebnikov, Aleksandr**; **Lepiksaar, Kertu**; **Volkova, Anna** Energies 2023 / art. 603, 14 p. : ill
https://doi.org/10.3390/en16020603 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Aricle at WOS

Comparison of full power and partial power buck-boost DC-DC converters for residential battery energy storage applications
Hassanpour, Naser; **Chub, Andrii**; **Blinov, Andrei**; **Vinnikov, Dmitri** 2022 IEEE 16th International Conference on Compatibility, Power Electronics, and Power Engineering (CPE-POWERENG) 2022 / 6 l https://doi.org/10.1109/CPE-POWERENG54966.2022.9880862

Current-fed dual inductor push-pull partial power converter
Abdelrahim Abdelghafour, Omar Mohamed; **Vinnikov, Dmitri**; **Chub, Andrii**; **Blinov, Andrei** 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC) : Brasov, Romania, 25-28 Sept. 2022 : proceedings 2022 / p. 327-332
https://doi.org/10.1109/PEMC51159.2022.9962937

Design of rotors for synchronous reluctance motor : analytical treatment and optimization
Orlova, Svetlana; Pugachov, Vladislav; **Rassõlkin, Anton**; **Kallaste, Ants**; **Vaimann, Toomas** 2019 21st European Conference on Power Electronics and Applications (EPE '19 ECCE Europe), 3-5 Sept. 2019, Genova, Italy : proceedings 2019 / 9 p. : ill
https://doi.org/10.23919/EPE.2019.8914760

Economic dispatch of CHP units through District Heating Network's demand-side management
Ruševljuk, Pavel; **Lepiksaar, Kertu**; **Siirde, Andres**; **Volkova, Anna** Energies 2021 / art. 4553, 20 p. : ill
https://doi.org/10.3390/en14154553 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of double-slope modulation signals on conducted emissions and efficiency of strongly coupled magnetic resonance WPT systems
Stepins, Deniss; Zakis, Janis; Audze, Janis; **Husev, Oleksandr**; Shevchenko, Viktor; Pakhaliuk, Bohdan 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2019 / 4 p
https://doi.org/10.1109/RTUCON48111.2019.8982351

Effect of hybrid modulation on performance of wireless battery charger operating in CC/CV mode
Stepins, Deniss; Kathari, N.; Zakis, Janis; **Husev, Oleksandr**; Pakhaliuk, Bohdan; Shevchenko, Viktor IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / 6 p https://doi.org/10.1109/IECON48115.2021.9589544

Efficiency and loss distribution analysis of the 3L-Active NPC qZS inverter
Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Fernao Pires, Vitor; **Husev, Oleksandr** 2018 IEEE 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2018) : Doha, Qatar, 10-12 April 2018 2018 / p. 449-454 : ill https://doi.org/10.1109/CPE.2018.8372560

Efficiency control for adjustment of number of working pumps in multi-pump system
Bakman, Ilja; **Gevorkov, Levon**; **Vodovozov, Valery** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 396-402 : ill
http://dx.doi.org/10.1109/CPE.2015.7231108

Efficiency map comparison of induction and synchronous reluctance motors
Rassõlkin, Anton; **Heidari, Hamidreza**; **Kallaste, Ants**; **Vaimann, Toomas**; Acedo, Jaime Pando; Romero-Cadaval, Enrique 2019 26th International Workshop on Electric Drives : Improvement in Efficiency of Electric Drives (IWED) : Moscow Power Engineering Institute, Moscow, Russia, 30th of January – 2nd of February 2019 : proceedings 2019 / 4 p. : ill
https://doi.org/10.1109/IWED.2019.8664334

The efficiency of private enforcement of public law claims in Estonia [Electronic resource]
Saar, Indrek; Randlane, Kerly; Silberg, Uno; **Güldenkoh, Maret**; Elling, Tõnis Estonian discussions on economic policy : articles = Estnische Gespräche über Wirtschaftspolitik : Beiträge = Eesti majanduspoliitilised väitlused : artiklid. 1 2016 / p. 145-165 : ill. [CD-ROM] https://doi.org/10.15157/tpep.v24i1.12989

Efficient energy recovery from textile waste and biomass mixture
Kramens, Janis; Vigants, Edgars; Kanukuntla, Sai-Pavan; **Goljandin, Dmitri** Engineering for Rural Development ; vol. 22 2023 / p. 817 - 825 https://doi.org/10.22616/ERDev.2023.22.TF161 Conference Proceedings at Scopus Article at Scopus

eGovernment and governance : the Danish-Japanese models and timelines compared
Meyerhoff Nielsen, Morten CeDEM Asia 2016 : proceedings of the International Conference for E-Democracy and Open Government : Asia 2016, 7-9 December 2016, Deagu [i.e. Daegu], Republic of Korea 2017 / p. 53-66 : ill http://www.donau-uni.ac.at/imperia/md/content/department/gpa/zeg/bilder/cedem_asia/proceedings_cedem_asia_2016.pdf

Enhancement of the e-invoicing systems by increasing the efficiency of workflows via disruptive technologies
Gunaratne, Hiruni; **Pappel, Ingrid** Electronic Governance and Open Society: Challenges in Eurasia : 7th International Conference, EGOSE 2020, St. Petersburg, Russia, November 18-19, 2020 : proceedings 2020 / p. 60-74 https://doi.org/10.1007/978-3-030-67238-6_5 Conference proceeding at Scopus Article at Scopus

Evaluation of losses in three-level neutral-point-clamped and T-type quasi-Z-source inverters with modified carrier based modulation method
Ruiz-Cortes, M.; Romero-Cadaval, Enrique; Roncero-Clemente, Carlos; Gonzalez-Romera, Eva; **Husev, Oleksandr** 2017 11th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2017) : Cadiz, Spain, 4-6 April 2017 2017 / p. 638-643 : ill https://doi.org/10.1109/CPE.2017.7915247

Experimental comparison of two-level full-SiC and three-level Si–SiC quasi-Z-source inverters for PV applications
Stepenko, Serhii; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Roncero-Clemente, Carlos; **Pires Pimentel, Sergio**; **Santasheva, Elena** Energies 2019 / 2509 ; 17 p. : ill https://doi.org/10.3390/en12132509 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental comparison of two-level full-SiC and three-level Si–SiC quasi-Z-source inverters for PV applications
Stepenko, Serhii; **Husev, Oleksandr**; **Vinnikov, Dmitri**; Roncero-Clemente, Carlos; **Pimentel, Sergio Pires**; **Santasheva, Elena** Emerging converter topologies and control for grid connected photovoltaic systems 2021 / P. 121-137 : ill https://doi.org/10.3390/books978-3-03943-910-2

Experimental efficiency and thermal parameters evaluation in Full-SiC Quasi-Z-Source inverter
Pimentel, Sergio Pires; **Husev, Oleksandr**; **Vinnikov, Dmitri**; **Pires Pimentel, Sergio**; Prystupa, Anatoliy 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/RTUCON48111.2019.8982288

Experimental results of parallel active filter implementation in nonideal power grid
Husev, Oleksandr; **Blinov, Andrei**; **Vinnikov, Dmitri** Technological Inovation for Value Creation : third IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2012, Costa de Caparica, Portugal, February 27-29, 2012 : proceedings 2012 / p. 291-298 : ill https://link.springer.com/chapter/10.1007/978-3-642-28255-3_32

Fault-tolerant approach for photovoltaic module-level power electronic applications
Vinnikov, Dmitri; **Chub, Andrii**; **Korkh, Oleksandr**; Malinowski, Mariusz 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings 2020 / p. 438-444 : ill https://doi.org/10.1109/CPE-POWERENG48600.2020.9161599

Feasibility study of Si and SiC MOSFETs in high-gain DC/DC converter for renewable energy applications
Blinov, Andrei; **Chub, Andrii**; **Vinnikov, Dmitri**; **Rang, Toomas** Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5975-5978 : ill https://doi.org/10.1109/IECON.2013.6700115 Conference Proceedings at Scopus Article at Scopus

Healthcare institution efficiency : meta-analysis and case study
Salmistu, Sirle; Demikhov, Oleksii; **Demikhova, Nadiia**; Taraniuk, Karina; Sochacka, Marina; Letunovska, Nataliia Health economics and management review 2024 / p. 90-105 https://doi.org/10.61093/hem.2024.1-07

High-performance buck-boost partial power quasi-Z-source series resonance converter
Abdelrahim Abdelghafour, Omar Mohamed; **Chub, Andrii**; **Mashinchi Maheri, Hamed**; **Blinov, Andrei**; **Vinnikov, Dmitri** IEEE Access 2022 / p. 13017-130189 https://doi.org/10.1109/ACCESS.2022.3225751 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Impact of transformer turns ratio on the power losses and efficiency of the wide range isolated buck–boost converter for photovoltaic applications
Mashinchi Maheri, Hamed; **Vinnikov, Dmitri**; **Chub, Andrii**; **Sidorov, Vadim**; **Liivik, Elizaveta** Energies 2020 / art. 5645, 21 p

https://doi.org/10.3390/en13215645 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

The influence of solar energy on the development of the mining industry in the republic of Cuba
Shklyarskiy, Yaroslav E.; Guerra, Dias Daniel; Iakovleva, Emiliia V.; **Rassõlkin, Anton** Journal of Mining Institute 2021 / p. 427 - 440 https://doi.org/10.31897/PMI.2021.3.12 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Library employees' attitudes towards the measurement and appraisal of their work performance : study in Estonian university libraries
Kont, Kate-Riin; **Jantson, Signe** Library management 2013 / p. 521-537 : ill https://doi.org/10.1108/LM-08-2012-0051 Journal metrics at Scopus Article at Scopus

Life cycle analysis of electrical motor-drive system based on electrical machine type
Rassõlkin, Anton; **Belahcen, Anouar**; **Kallaste, Ants**; **Vaimann, Toomas**; **Heidari, Hamidreza**; **Asad, Bilal** Proceedings of the Estonian Academy of Sciences 2020 / p. 162–177 : ill https://doi.org/10.3176/proc.2020.2.07 journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Local governments' efficiency and educational results : empirical evidence from Italian primary schools
Ferraro, Simona; Agasisti, Tommaso; Porcelli, Francesco; Soncin, Mara Applied economics 2021 / p. 4017-4039 : ill https://doi.org/10.1080/00036846.2021.1896672 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Maximizing energy harvest of the impedance source PV Microconverter under partial shading conditions
Vinnikov, Dmitri; **Chub, Andrii**; **Liivik, Elizaveta**; Blaabjerg, Frede; Kouro, Samir CPE-POWERENG 2018 : Conference program : 12th IEEE International Conference on Compatibility, Power Electronics and Power Engineering, 10-12 April, 2018, Doha, Qatar 2018 / 7 p.: ill https://indd.adobe.com/view/bdbda104-4e24-4d7b-88b1-f84ccfd20748 https://doi.org/10.1109/CPE.2018.8372556

Optimization of method of adjustment of productivity of multi-pump system containing directly connected motors
Bakman, Ilja; **Gevorkov, Levon**; **Vodovozov, Valery** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 209-214 : ill

Optimization of pump efficiencies with different pumps characteristics working in parallel mode
Koor, Margus; **Vassiljev, Anatoli**; **Koppel, Tiit** Advances in engineering software 2016 / p. 69-76 : ill https://doi.org/10.1016/j.advengsoft.2015.10.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimization of pump efficiency in a water distribution system
Koor, Margus; **Vassiljev, Anatoli**; **Koppel, Tiit** Proceedings of the Ninth International Conference on Engineering Computational Technology 2014 / Paper 91, p. 1-10 : ill https://iwaponline.com/ws/article/23/3/1094/93912/Optimization-of-the-operation-of-water Conference proceedings at Scopus Article at Scopus

Origin and definition of the category of economic security of enterprise [Online resource]
Ianioglo, Alina; **Põlajeva, Tatjana** 9th International Scientific Conference "Business and Management 2016" : May 12-13, 2016, Vilnius, Lithuania 2016 / p. 1-8 : ill http://dx.doi.org/10.3846/bm.2016.46

Performance benchmarking of Si and GaN MOSFETs in isolated buck-boost DC-DC converter
Mashinchi Maheri, Hamed; **Vinnikov, Dmitri**; **Rahman, Showrov** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 15-17 Nov. 2021 : conference proceedings 2021 / p. 1-6 : ill https://doi.org/10.1109/RTUCON53541.2021.9711696

Photoelectrochemical deposition of PPY onto hydrogenated A-SI for optoelectronic applications
Dosenovicova, Denisa; **Maricheva, Jelena**; Neumüller, Alex; Sergeev, Oleg; **Volobujeva, Olga**; Nasibulin, Albert; **Kois, Julia**; **Öpik, Andres**; **Bereznev, Sergei** Open Readings 2017 : 60th International Conference for Students of Physics and Natural Sciences, March 14-17, 2017, Vilnius, Lithuania : programme and abstracts 2017 / p. 241 http://www.openreadings.eu/wp-content/uploads/2017/03/OR2017_abstracts_book.pdf

Power optimized PV microinstallation in the field condition tests
Sibinski, Maciej; Rogowski, Szymon 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 5 p https://doi.org/10.1109/CPE-POWERENG60842.2024.10604366

Public procurement in age of AI: challenges and opportunities
Iders-Bankovs, M.; Politika, V.; Pundure, J.; **Järvis, Marina**; Ziemelis, M. Engineering for rural development 2025 / p. 968-975 https://doi.org/10.22616/ERDev.2025.24.TF198 https://www.iitf.lbtu.lv/conference/index.php?topicID=8

Role of inventory and assets in shareholder value creation
Hilmola, Olli-Pekka Kristian Expert systems with applications: X 2020 / art. 100027, 7 p https://doi.org/10.1016/j.eswax.2020.100027

Selective photoelectrochemical deposition of polypyrrole onto hydrogenated a-Si for optoelectronic applications
Dosenovicova, Denisa; **Maricheva, Jelena**; Neumüller, Alex; Sergeev, Oleg; **Volobujeva, Olga**; Nasibulin, Albert; **Kois, Julia**; **Öpik, Andres**; **Bereznev, Sergei** Materials science in semiconductor processing 2017 / p. 1-5 : ill
https://doi.org/10.1016/j.mssp.2017.05.028 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Series buck-boost partial power converter based on the push-pull converter
Abdelrahim Abdelghafour, Omar Mohamed; **Chub, Andrii**; **Blinov, Andrei**; **Vinnikov, Dmitri** IECON 2022 : 48th Annual Conference of the IEEE Industrial Electronics Society : 17-20 Oct. 2022 2022 / code. 184962
https://doi.org/10.1109/IECON49645.2022.9968574 Conference Proceedings at Scopus Article at Scopus

Series resonant DC-DC converter with single-switch full-bridge boost rectifier operating at fixed switching frequency
Bakeer, Abualkasim Ahmed Ali; **Chub, Andrii**; **Vinnikov, Dmitri** 2020 IEEE 11th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), 28 Sept.-1 Oct. 2020, Dubrovnik, Croatia 2020 / p. 270-275
https://doi.org/10.1109/PEDG48541.2020.9244438

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

Single-phase string solar qZS-based inverter: example of multi-objective optimization design
Husev, Oleksandr; **Vinnikov, Dmitri**; Roncero-Clemente, Carlos; **Chub, Andrii**; Romero-Cadaval, Enrique IEEE transactions on industry applications 2021 / p. 3120-3130 : ill https://doi.org/10.1109/TIA.2020.3034292 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Social policies in Western Europe compared with USA. Examples for Central and East Europe social development
Ramiro Troitino, David Journal of legal and economic issues of Central Europe 2014 / p. 2-8

Solar optiverter - a novel hybrid approach to the photovoltaic module level power electronics
Vinnikov, Dmitri; **Chub, Andrii**; Kosenko, Roman; **Korkh, Oleksandr** IEEE transactions on industrial electronics 2019 / p. 3869-3880 https://doi.org/10.1109/TIE.2018.2850036 Tehnikaülikooli seade muudab päikesepaneelid märgatavalt tootlikumaks Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synchronous rectification in quasi-Z-source converters : possibilities and challenges
Liivik, Liisa; **Vinnikov, Dmitri**; **Jalakas, Tanel** 2014 IEEE International Conference on Intelligent Energy and Power Systems (IEPS) : conference proceedings : June 2-6, 2014, Kyiv, Ukraine 2014 / p. 32-35 : ill

The possibilities to improve local electrical power grid : case of TUT campus [Electronic resource]
Astapov, Victor; **Palu, Ivo** 2016 17th International Scientific Conference on Electric Power Engineering (EPE) : proceedings 2016 / [5] p. : ill. [USB] https://doi.org/10.1109/EPE.2016.7521793

Three-level half-bridge ZVS DC/DC converter for electrolyzer integration with renewable energy systems
Andrijanovitš, Anna; **Vinnikov, Dmitri**; **Roasto, Indrek**; **Blinov, Andrei** 2011 10th International Conference on Environment and Electrical Engineering (EEEIC), 8-11 May 2011, Rome, Italy : conference proceedings 2011 / [4 p.] : ill

Voltage gain extension techniques for high step-up galvanically isolated DC-DC converters
Vinnikov, Dmitri; **Chub, Andrii**; **Korkh, Oleksandr**; **Liivik, Elizaveta**; **Blinov, Andrei** 2020 IEEE International Conferenceon Industrial Technology, Buenos Aires Institute of Technology (ITBA) Buenos Aires, Argentina, 26-28 February, 2020 : proceedings 2020 / p. 1021-1027 : ill https://doi.org/10.1109/ICIT45562.2020.9067115 Conference proceedings at Scopus Article at Scopus Article at WOS