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Sekundaareleendid ja -patareid, mis sisaldavad leeliseli või teisi mittehappelisi elektrolüüte. Liitumpatareid ja sekundaareleendid kaasaskantavatele rakendustele = Secondary cells and batteries containing alkaline or other non-acid electrolytes. Secondary lithium cells and batteries for portable applications (IEC 61960:2011)

2012 https://www.ester.ee/record=b2746738*est

A series partial power converter based on dual active bridge converter for residential battery energy storage system

Hassanpour, Naser; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri; Abdelrahim Abdelghafour, Omar Mohamed 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/RTUCon53541.2021.9711725>

A Series partial power converter based on dual active bridge converter for residential battery energy system

Hassanpour, Naser 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 / p. 65-66 : ill https://www.ester.ee/record=b5457278*est

Series-resonant DC-DC interface converter for battery integration into DC microgrids

Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC) : Brasov, Romania, 25-28 Sept. 2022 : proceedings 2022 / p. 307-310 <https://doi.org/10.1109/PEMC51159.2022.9962929>

Simulation and estimation of electrochemical processes in maintenance-free batteries with fixed electrolyte

Tenno, Ander 2004 https://www.ester.ee/record=b1994218*est

Single switch multi-winding wireless power transfer system based on Z-source network

Kroics, Kaspars; Husev, Oleksandr; Pakhaliuk, Bohdan 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 / p. 2465-2474 : ill <https://ieeexplore.ieee.org/document/8515602>

Sliding mode control based on super twisting algorithm for single-stage on-board charger

Guler, Naki; Komurcugil, Hasan; Bayhan, Sertac; Vinnikov, Dmitri; Blinov, Andrei 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227481>

SOC estimation for Li-Ion batteries based on equivalent circuit diagrams and the application of a Kalman filter

Rahmoun, Ahmad; Biechl, Helmuth; Rosin, Argo PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 273-276 : ill https://www.researchgate.net/publication/261507418_SOC_estimation_for_Li-Ion_batteries_based_on_equivalent_circuit_diagrams_and_the_application_of_a_Kalman_filter

Spent Li-Ion battery graphite turned into valuable and active catalyst for electrochemical oxygen reduction

Liivand, Kerli; Kazemi, Maryam; Walke, Peter; Mikli, Valdek; Macdonald, Digby D.; Kruusenberg, Ivar ChemSusChem 2021 / p. 1103-1111 <https://doi.org/10.1002/cssc.202002742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

State of charge and health estimation of batteries for electric vehicles applications: key issues and challenges

Singh, Pratap Samarendra; Singh, Praveen Prakash; Singh, Niwas Sri; Tiwari, Prabhakar Global Energy Interconnection 2021 / 13 p. : ill <https://doi.org/10.1016/j.gloi.2021.05.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Stochastic energy management for Battery Storage System-based microgrid considering different forecasting models

Zahraoui, Younes; Korotko, Tarmo; Rosin, Argo; Ahmadihangar, Roya 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227451>

Structure and electrochemical properties of Na₂xV₃P₂O₁₃ (x = 0 and 1): a promising cathode material for sodium-ion batteries

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A study of different aspects for building a thermal model for lithium-ion cells

Rahmoun, Ahmad; Biechl, Helmuth; Rosin, Argo 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 / p. 47-52 : ill

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Mohammad, Irshad; Chable, Johann; Witter, Raiker; Fichtner, Maximilian; Reddy, M. Anji ACS applied materials and interfaces ACS applied materials & interfaces 2018 / p. 17249-17256 : ill <https://doi.org/10.1021/acsami.8b04108> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tesla konkurendiks pürgiv Eesti superakude tootja Skeleton kutsus Tallinna Tehnikaülikooli appi maailma tippkeskust looma [Võrguväljaanne]

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Mohammad, Irshad; Witter, Raiker Materials Letters 2019 / p. 159 - 162 <https://doi.org/10.1016/j.matlet.2019.02.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The use of high-temperature superconducting cuprate as a dopant to the negative electrode in Ni-Zn batteries

Stoyanova-Ivanova, Angelina; Terzieva, Stanimira; **Mikli, Valdek** Bulgarian chemical communications 2015 / p. 221-228 : ill

3D alumina-graphene hybrid nanofibers as a binder-free cathode for rechargeable LiIS batteries

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<https://www.scientific.net/KEM.799.191> https://www.ester.ee/record=b5235278*est <https://doi.org/10.4028/www.scientific.net/KEM.799.191>
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A three-phase unfolding-based PFC topology with two inductors for electric vehicles battery charging

Mohseni, Parham; Husev, Oleksandr; Vinnikov, Dmitri; Matiushkin, Oleksandr; Vosoughi Kurdkandi, Naser 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10413182>

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Ultrasound assisted mixing of zinc active mass with conductive ceramic additives for Ni-Zn battery

Petrova, V.; Stoyanova-Ivanova, Angelina; Lilov, P.; Petkov, O.; Ivanova, B.; Karamanova, B.; Stoyanova, A.; **Mikli, Valdek** ECS transactions 2019 / p. 227-234 <https://iopscience.iop.org/article/10.1149/09501.0227ecst> <https://doi.org/10.1149/09501.0227ecst> [Conference proceeding at Scopus](#) [Article at Scopus](#)

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

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Kontro, Kristin Eesti Päevaleht 2023 / Lk. 18-19 [https://dea.digar.ee/article/eestipaevaleht/2023/01/04/19.3.Valesti ära visatud patareid ohustavad kõiki. Need võivad süttida, plahvatada ja mürgitada](https://dea.digar.ee/article/eestipaevaleht/2023/01/04/19.3.Valesti%20%C3%A4ra%20visatud%20patareid%20ohustavad%20k%C3%B5iki.%20Need%20v%C3%B5ivad%20s%C3%BCttida,%20plahvatada%20ja%20m%C3%BCrgitada)

Vanemteadur: rohepööre toob kaasa metallisõltuvuse

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Katsetamismeetodid = General purpose lead-acid batteries (valve-regulated types). Part 1, General requirements, functional characteristics. Methods of test (IEC 61056-1:2002)

2012 https://www.ester.ee/record=b2746930*est

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