

An in situ study of bioenergetic properties of human colorectal cancer: The regulation of mitochondrial respiration and distribution of flux control among the components of ATP synthasome

Kaldma, Andrus; Klepinin, Aleksandr; Chekulayev, Vladimir; Mado, Kati; Shevchuk, Igor; Timohhina, Natalja; Tepp, Kersti; Kandashvili, Manana; **Planken, Margus; Truu, Laura** International journal of biochemistry and cell biology 2014 / p. 171-186 : ill <https://doi.org/10.1016/j.biocel.2014.09.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of ADP compartmentation in cardiomyocytes and its role in protection against mitochondrial permeability transition pore opening = ADP kompartmentatsiooni analüüs südamelihaskududes ja selle roll mitokondriaalse suure läbitavusega poori avanemise eest kaitsmisel

Karro, Niina 2015 <https://digi.lib.ttu.ee/i/?3423> https://www.ester.ee/record=b4500337*est

Cardiac mechanoenergetics in silico

Vendelin, Marko 2001 http://www.ester.ee/record=b1556271*est

Comparative analysis of some aspects of mitochondrial metabolism in differentiated and undifferentiated neuroblastoma cells

Klepinin, Aleksandr; **Kaldma, Andrus; Koit, Andre** Journal of bioenergetics and biomembranes 2014 / p. 17-31 : ill <https://doi.org/10.1007/s10863-013-9529-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Correlation between solid particle erosion of cermets and particle impact dynamics

Hussainova, Irina; Schade, Klaus-Peter Tribology international 2008 / 4, p. 323-330 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0301679X07001399>

Development and control of energy exchange processes between electric vehicle and utility network = Elektriauto energiasalvesti ja elektrijaotusvõrgu energiavahetusprotsesside uurimine ja juhtimine

Mägi, Marek 2013 https://www.ester.ee/record=b2966194*est

Energy Metabolism of Cancer: Unravelling Complexities Through Multiparameter Metabolic Analysis = Energia metabolism vähis: multiparametiline metaboolne analüüs

Miller, Sten 2025 https://www.ester.ee/record=b5747050*est <https://digikogu.taltech.ee/et/Item/a9603772-0df6-4da7-a018-55213b451759> <https://doi.org/10.23658/taltech.34/2025>

Energy Metabolism Profiling of Human Colorectal Tumours

Reinsalu, Leenu; Miller, Sten; Auditano, Giuseppe Leonardo; Puurand, Marju; Moreno-Sanchez, Rafael; Saavedra, Emma; Valvere, Vahur; Käämbre, Tuuli Journal of cellular and molecular medicine 2025 / art. e70462 : ill <https://doi.org/10.1111/jcmm.70462>

Estimation of diffusion restrictions in cardiomyocytes using kinetic measurements = Difusioonitakistuste hindamine kardiomüotsüütides kasutades kineetilisi mõõtmisi

Sepp, Mervi 2013 https://www.ester.ee/record=b2987727*est

Heterogeneity of diffusion restrictions in cardiomyocytes = Difusioonitakistuste heterogeensus südamelihaskududes

Jepihhina, Natalja 2017 <https://digi.lib.ttu.ee/i/?8085> https://www.ester.ee/record=b4681847*est

Interplay between creatine kinase and adenylate kinase networks in health and disease = Kreatiinkinaasi ja adenülaatkinaasi energiaülekande võrgustike vaheline koosmõju normis ja patoloogias

Klepinin, Aleksandr 2018 <https://digi.lib.ttu.ee/i/?9963> https://www.ester.ee/record=b5141460*est

Malignant transformation causes rearrangement of energy metabolism in colorectal and breast cancers = Kartsinogenees toob kaasa energiametabolismi ümberkorralduse jämesoole- ja rinnakasvajates

Koit, Andre 2018 <https://digi.lib.ttu.ee/i/?9349> https://www.ester.ee/record=b4761853*est

Metabolic alterations in colorectal polyps and their role in carcinogenesis = Metaboolsed muutused jämesoole polüüpides ja nende roll vähi tekkes

Rebane-Klemm, Egle 2023 <https://doi.org/10.23658/taltech.27/2023> <https://digikogu.taltech.ee/et/Item/40d31bd2-16a4-4b0a-8c2e-3f409997f857> https://www.ester.ee/record=b5569147*est

Metabolic flux analysis of compartmentalized systems using dynamic isotopologue modeling = Isotopoloogilise modelleerimise rakendamine heterogeensete bioloogiliste süsteemide ainevahetusvoo analüüsis

Schryer, David 2012 https://www.ester.ee/record=b2776763*est

Metallothionein 2A affects the cell respiration by suppressing the expression of mitochondrial protein cytochrome c oxidase subunit II

Bragina, Olga; Gurjanova, Karina; Krištal, Jekaterina; Kulp, Maria; Karro, Niina; Tõugu, Vello; Palumaa, Peep Journal of bioenergetics and biomembranes 2015 / p. 209-216 : ill <https://doi.org/10.1007/s10863-015-9609-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecular system bioenergetics of cardiac cells : quantitative analysis of structure-function relationship
Tepp, Kersti 2011

Overview of development in the field of energy exchange between electric vehicles and utility network

Mägi, Marek 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 123-124 : ill

A prediction model for chronic heart failure in patients with type 2 diabetes mellitus

Koteliukh, Mariia; Bokova, Svitlana; Demikhova, Nadiia; Lantukhova, Nataliia Clinical and Preventive Medicine 2025 / p. 105-111
<https://doi.org/10.31612/2616-4868.2.2025.13>

Rearrangement of energy metabolism during differentiation of cancer cells = Energiametabolismi ümberkorraldamine kasvajakude diferentseerimisel

Klepinina, Ljudmila 2021 https://www.ester.ee/record=b5431661*est <https://digikogu.taltech.ee/et/Item/3e83abfb-09c5-43ff-9a68-a44c5a5c9e9d> <https://doi.org/10.23658/taltech.24/2021>

Structural and functional studies of mitochondrial respiration regulation in muscle cells = Lihasrakkude mitokondriaalse hingamise regulatsiooni struktuursed ja funktsionaalsed uuringud

Varikmaa, Minna; Saks, Valdur; Metsis, Madis 2013 https://www.ester.ee/record=b3035829*est

Süsteemne lähenemine aitab mõista ka inimese südant : [intervjuu Marko Vendelin'iga]

Vendelin, Marko Teadusmõtte Küberneetika Instituudis 2010 / lk. 164-166 : portr

Toiteliiniga seotud sõidukite energiavahetuse juhtimissüsteem : EE200200424

Pettai, Elmo; Laugis, Juhan; Lehtla, Tõnu; Joller, Jüri; Rosin, Argo 2004 <https://www1.epa.ee/patent/data.asp?NroParam=P200200424&ID=X551997&NID=&offset=&HKR=> <https://www1.epa.ee/patent/kirjeldus/P200200424.pdf>