An attempt to separating cardiac and respiratory components from EBI dataset through conventional filtering method
Mughal, Yar M. Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 61-64 : ill

Analog front end components for bio-impedance measurement : current source design and implementation = Bioimpedantsi mõõteseadme analoogosa komponendid : vooluallika disain ja realisatsioon
Kasemaa, Argo 2011 https://digi.lib.ttu.ee/i/?590

Automatic detection of real and imaginary parts of electrical impedance with single synchronous demodulation channel
Annus, Paul; **Priidel, Eiko**; **Land, Raul**; **Metshein, Margus**; **Krivošei, Andrei**; **Min, Mart**; **Ratassepp, Madis**; **Märtens, Olev** 8th European Medical and Biological Engineering Conference : Proceedings of the EMBEC 2020, November 29 - December 3, 2020 Portorož, Slovenia 2021 / p. 151-157 https://doi.org/10.1007/978-3-030-64610-3_18 Conference Proceedings at Scopus Article at Scopus

Characterization of high-frequency impedance-based models for transient terminal overvoltage estimation in cable-fed motor drive systems
Sardar, Muhammad Usman; **Vaimann, Toomas**; **Kütt, Lauri**; **Asad, Bilal**; **Kallaste, Ants**; **Kudelina, Karolina** 2024 International Conference on Electrical Machines (ICEM) 2024 / 7 p https://doi.org/10.1109/ICEM60801.2024.10700495

Current mode signal processing in lock-in instruments for bioimpedance measurement
Min, Mart; **Parve, Toomas** Proceedings of the 1st International Conference on Bioelectromagnetism (ICBEM'96, Tampere, Finland, June 9-13, 1996) 1996 / p. 167-168

Detection of changes in tissue state with the aid of electromagnetic interaction = Koe seisundi muutuste detekteerimine elektromagnetilise vastastikmõju abil
Priidel, Eiko 2022 https://doi.org/10.23658/taltech.51/2022 https://digikogu.taltech.ee/et/Item/c0a10f6b-6b53-45d9-a031-7e5c409946d2 https://www.ester.ee/record=b5511742*est

A DSP-based impedance measurement device
Abdullayev, Anar; **Märtens, Olev**; **Rist, Marek**; **Metshein, Margus**; **Min, Mart**; **Annus, Paul** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 5 p https://doi.org/10.1109/BEC56180.2022.9935588

Dynamic reference for evaluation of bioimpedance spectroscopy devices
Rist, Marek; **Min, Mart** 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 2016 / p. 107-110 : ill http://www.ester.ee/record=b2150914*est

Electrical bio-impedance measurement in a rate-adaptive pacemaker
Eek, Andres; **Min, Mart**; **Parve, Toomas** Matavimai = Measurements 1996 / 1/2, p. 21-24: ill

Electrical impedance and cardiac monitoring : technology, potential and applications
Min, Mart; Ollmar, S.; Gersing, Eberhard International journal of bioelectromagnetism 2003 / 1, Advances in Electrocardiology : proceedings of the XXX International Congress of Electrocardiology : ICE2003 : June 11-14, 2003, Helsinki, Finland, p. 53-56

Electrochemical impedance spectroscopy analysis of immunoglobulin G in patients with gastric cancer
Sergejev, Kirill; **Land, Raul**; Klaamas, Kersti; Kurtenkov, Oleg BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 189-192 : ill

Feasibility of utilizing air gapped toroidal magnetic cores for detecting pulse wave in radial artery
Metshein, Margus; **Pesti, Ksenija**; **Min, Mart**; **Annus, Paul**; **Märtens, Olev** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 5 p. : ill https://doi.org/10.1109/BEC49624.2020.9277197

Functionally graded tunable microwave absorber with graphene-augmented alumina nanofibers
Shamshirgar, Ali Saffar; **Rojas Hernandez, Rocio Estefania**; Tewari, Girish C.; Fernandez, Jose Francisco; **Ivanov, Roman**; Karppinen, Maarit; **Hussainova, Irina** ACS applied materials & interfaces 2021 / p. 21613-21625 https://doi.org/10.1021/acsami.1c02899 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impedance cardiography signal processing with Savitzky-Golay and frequency sampling kernels
Märtens, Olev; **Metshein, Margus**; **Tamberg, Gert**; **Abdullayev, Anar** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 5 p https://doi.org/10.1109/BEC56180.2022.9935597

Impedance characterization of VRLA batteries
Suntio, Teuvo; **Tenno, Ander**; Tenno, Robert Proc. 9th Power Quality Conference : Nürmberg, Germany, 2003 2003 / p. 325-330

Impedance controlled pacing rate limits in cardiac pacemakers
Kink, Andres; **Parve, Toomas**; **Rätsep, Indrek** International journal of bioelectromagnetism 2003 / 1, Advances in Electrocardiology : proceedings of the XXX International Congress of Electrocardiology : ICE2003 : June 11-14, 2003, Helsinki, Finland, p. 63-64

Impedants : elektroonikute ideelaegas ja varakamber aastakümneteks
Min, Mart Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 130-144 : ill., fot
https://www.ester.ee/record=b5208765*est

Improved half-bridge Z-source inverter based gamma structure with continuous input current
Bahador, Asghar; **Babaei, Ebrahim**; **Chauhan, Sachin** 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 6 p https://doi.org/10.1109/RTUCON62997.2024.10830839

Improvement of lock-in signal converters for application in electrical bio-impedance measurement
Parve, Toomas 2000 http://www.ester.ee/record=b1707856*est

Mathematical and physical modelling of the dynamic fluidic impedance of arteries using electrical impedance equivalents
Giannoukos, Georgios; **Min, Mart** Mathematical methods in the applied sciences 2014 / p. 711 - 717 : ill
https://doi.org/10.1002/mma.2829 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Model based method for adaptive decomposition of the thoracic bio-impedance variations into cardiac and respiratory components = Mudelipõhine meetod torso bioimpedantsi muutuste adaptiivseks dekompositsiooniks südametegevuse ja hingamise komponentideks
Krivošei, Andrei 2009 https://www.ester.ee/record=b2508758*est

Model predictive control-based dual input split source inverter for PV applications
Abu-Zaher, Mustafa; Aly, Mokhtar; Zhuo, Fang; Ahmed, Mostafa; Rodriguez, Jose; **Bakeer, Abualkasim Ahmed Ali**; Hassan, Alaaeldien IECON Proceedings (Industrial Electronics Conference) IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society 2024 / 6 p https://doi.org/10.1109/IECON55916.2024.10905950 Conference proceedings at Scopus Article at Scopus

Modelling and simulation of arterial blood pulsation via bioimpedance = Arteriaalse verepulsatsiooni modelleerimine ja simuleerimine bioimpedantsi kaudu
Pesti, Ksenija 2021 https://www.ester.ee/record=b5436843*est https://digikogu.taltech.ee/et/Item/7fe2bc87-aa1a-4214-9971-fc938313bd28
https://doi.org/10.23658/taltech.34/2021

Multichannel bioimpedance spectroscopy : instrumentation methods and design principles = Paljukanaliline bioimpedantsspektroskoopia : mõõtemeetodid ja disaini printsiibid
Annus, Paul 2009 http://www.ester.ee/record=b2557759*est

New synchronous measurement technique for intracardiac impedance analysis
Kuusik, Alar; **Land, Raul**; **Min, Mart**; **Parve, Toomas** International journal of bioelectromagnetism 2003 / 1, Advances in Electrocardiology : proceedings of the XXX International Congress of Electrocardiology : ICE2003 : June 11-14, 2003, Helsinki, Finland, p. 23-24

Noninvasive acquisition of the aortic blood pressure waveform
Min, Mart; **Kõiv, Hip**; **Priidel, Eiko**; **Pesti, Ksenija**; **Annus, Paul** Wearable devices 2019 / 16 p. : ill
https://doi.org/10.5772/intechopen.86065

Noninvasive hemodynamic monitoring as a guide to drug treatment of uncontrolled hypertensive patients = Hemodünaamika mitteinvasiivne monitoorimine impedantskardiograafia meetodil ravimresistentse hüpertooniatõvega patsientide ravimivaliku juhtimiseks
Talvik, Anneli 2020 https://digikogu.taltech.ee/et/Item/06020df1-dbea-4b87-98bd-d9a4d9e035a9

An overview of the impedance models of the thorax and the origin of the impedance cardiography signal for modelling of the impedance signals
Mughal, Yar M.; **Annus, Paul**; **Min, Mart**; **Gordon, Rauno** 2014 IEEE International Conference on Biomedical Engineering and Sciences : 8th-10th December 2014, Miri-Malaysia : conference proceedings 2014 / p. 526-531 : ill

A parametric framework for modelling of bioelectrical signals
Muhammad, Yar 2016 http://dx.doi.org/10.1007/978-981-287-969-1

A parametric framework for modelling of bioelectrical signals = Parameetriline raamistik bioelektriliste signaalide modelleerimiseks
Muhammad, Yar 2015 http://www.ester.ee/record=b4473232*est

Photoplethysmography as an alternative to impedance cardiography-based hemodynamic feature point detection
Metshein, Margus; **Annus, Paul**; **Abdullayev, Anar**; **Krivošei, Andrei**; **Land, Raul**; **Märtens, Olev** 2024 19th Biennial Baltic

Electronics Conference (BEC) 2024 / 5 p https://doi.org/10.1109/BEC61458.2024.10737936 Conference proceedings at Scopus Article at Scopus Article at WOS

Research and implementation of electrical bioimpedance measurement solutions = Elektrilise bioimpedantsi mõõtmise lahenduste uurimine ja teostus
Abdullayev, Anar 2025 https://www.ester.ee/record=b5761789*est https://digikogu.taltech.ee/et/Item/226117d6-34fd-4039-8abb-fad105fca61c https://doi.org/10.23658/taltech.70/2025

Simulation of the sensitivity distribution of four-electrode impedance sensing on radial artery
Pesti, Ksenija; **Kõiv, Hip**; **Min, Mart** 2019 IEEE Sensors Applications Symposium (SAS 2019), Sophia Antipolis, France, 11-13 March, 2019 : proceedings 2019 / 6 p. : ill https://doi.org/10.1109/SAS.2019.8705976

Some observations on impedance and Ferranti effect
Land, Raul; **Min, Mart**; **Annus, Paul** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

Sparse reconstruction method for separating cardiac and respiratory components from electrical bioimpedance measurements
Butsenko, Maksim; **Märtens, Olev**; **Krivošei, Andrei**; **Le Moullec, Yannick** Elektronika ir elektrotechnika = Electronics and electrical engineering 2018 / p. 57-61 : ill https://doi.org/10.5755/j01.eie.24.5.21844 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Stroke volume assessment by impedance cardiography : comparative analysis with transthoracic echocardiography
Silluta, Sandra; **Pilt, Kristjan**; **Bischler, Elja**; **Kööts, Kristina**; **Meigas, Kalju**; **Viigimaa, Margus** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 398-401 https://doi.org/10.1007/978-981-10-5122-7_100

Study of electrode locations for joint acquisition of impedance- and electro-cardiography signals
Metshein, Margus; Gautier, Antoine; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry; **Annus, Paul**; **Land, Raul**; **Märtens, Olev** 2021 43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) Oct 31 - Nov 4, 2021 : virtual conference 2021 / p. 7264-7267 : ill https://doi.org/10.1109/EMBC46164.2021.9629504 Conference Proceedings at Scopus Article at Scopus Article at WOS

Südamed ja eurod elektrooniku laual : [Mart Mini teadustööst]
Kaha, Andero Tarkade Klubi 2011 / 2, lk. 36-39 : portr https://artiklid.elnet.ee/record=b2268406*est

Wearable data acquisition system of multimodal physiological signals for personal health care
Annus, Paul; **Samieipour, Ali**; **Rist, Marek**; Ruiso, Indrek; **Krivošei, Andrei**; **Land, Raul**; **Parve, Toomas**; **Min, Mart** pHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 107-112 : ill https://doi.org/10.3233/978-1-61499-268-4-107 Journal metrics at Scopus Article at Scopus

Wearable solutions for monitoring cardiorespiratory activity = Kehal kantavad vahendid kardiorespiratoorse aktiivsuse jälgimiseks
Metshein, Margus 2018 https://digi.lib.ttu.ee/i/?9961 https://www.ester.ee/record=b5140297*est

Wideband frequency response analysis for sensitive condition estimation of machine's turn insulation degradation faults
Sardar, Muhammad Usman; **Vaimann, Toomas**; **Kütt, Lauri**; **Asad, Bilal**; **Kallaste, Ants**; **Land, Raul** 2025 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) 2025 / 6 p https://doi.org/10.1109/WEMDCD61816.2025.11014207