A sampling multichannel bioimpedance analyzer for tissue monitoring
Min, Mart; **Land, Raul**; **Märtens, Olev**; **Parve, Toomas**; **Ronk, Ants** Proc. of the 26. Annual International Conference of the IEEE EMBS : September 1-5, 2004, San Francisco, California, USA 2004 / p. 902-905

A virtual system for simultaneous multi-frequency measurement of electrical bioimpedance
Gordon, Rauno; **Land, Raul**; **Min, Mart**; **Parve, Toomas**; Salo, R.W. International journal of bioelectromagnetism 2005 / 2, Special issue : 2005 conference proceedings : Proceedings of the 5th International Conference on Bioelectromagnetism and 5th Conference on Noninvasive Functional Source Imaging BEMAMPNFSI 2005 : May 12-15, 2005, Minneapolis, Minnesota, USA, p. 243-246

Active electrodes for measuring the electrical bioimpedance
Metshein, Margus Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 57-60 : ill

An adaptive filtering system for separation of cardiac and respiratory components of bioimpedance signal
Krivošei, Andrei; **Min, Mart**; **Parve, Toomas**; **Ronk, Ants** 2006 IEEE International Workshop on Medical Measurement and Applications : Beneveto, Italy, April 20-21, 2006 2006 / p. 10-15 https://ieeexplore.ieee.org/document/1644448

An adaptively tunable model of the cardiac signal for the bio-impedance signal decomposer (BISD)
Krivošei, Andrei; **Kukk, Vello**; **Min, Mart** MeMeA 2008 : IEEE International Workshop on Medical Measurements and Applications : 9-10 May 2008, Ottawa, Ontario, Canada 2008 / p. 49-52

Advantages and limitations of an approach to bioimpedance data acquisition and processing relying on fast low bit rate ADCs
Bilinskis, Ivars; Sudars, K.; **Min, Mart**; **Annus, Paul** 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 2010 / p. 245-248 : ill

Alternatives of measurement of electrical bioimpedance of the body with the aim to determine the cardiac and respiratory activity
Metshein, Margus 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. 197-200 : ill

An ASIC for multifrequency bioimpedance analysis
Min, Mart; Holmström, Nils; Järverud, Karin; **Land, Raul**; **Märtens, Olev**; **Parve, Toomas** Proceedings of the XI International Conference on Electrical Bio-impedance : June 17-21, 2001, Oslo, Norway 2001 / p. 251-254 : ill

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

An electrical bioimpedance analyzer for implantable medical devices
Min, Mart; **Parve, Toomas** Proceedings of the 22nd IEEE Instrumentation and Measurement Technologies Conference of the IEEE IMT IMTC 2005 : Ottawa, Ontario, Canada, 17-19 May, 2005. Vol. III 2005 / p. 1823-1828

An implantable analyzer of bioimpedance dynamics : mixed signal approach
Min, Mart; **Parve, Toomas**; **Kukk, Vello**; **Kuhlberg, Aivo** IEEE transactions on instrumentation and measurement 2002 / 4, p. 674-678

An implantable analyzer of bio-impedance dynamics : mixed signal approach
Min, Mart; **Parve, Toomas**; **Kukk, Vello**; **Kuhlberg, Aivo** IMTC/2001 : proceedings of the 18th IEEE Instrumentation and Measurement Technology Conference : Rediscovering Measurement in the Age of Informatics : Budapest, Hungary, 21-23 May, 2001. Volume 1 2001 / p. 38-43 : ill

An instrument for electrical bio-impedance based cardiac and respiratory monitoring
Eek, Andres; **Härm, Härmo**; **Min, Mart**; **Parve, Toomas** 10th Nordic-Baltic Conference on Biomedical Engineering. Satellite Symposium on Bioelectromagnetic and Biomechanic Measurements, June 13-15, 1996, Tallinn, Estonia 2011 / p. 29-30: ill

An instrument for measurement of vector parameters of electrical bio-impedance
Min, Mart; **Parve, Toomas**; **Eek, Andres**; **Märtin, Hannes** Proceedings of the IX International Conference on Electrical Bio-Impedance in conjunction with the European Community Concerted Action on Impedance Tomography : September 26-30, 1995, Heidelberg/Germany 1995 / p. 40-43

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

Analysis of instantaneous cardiac EBI signal variability over the heart cycle(s) : non-linear time-scale approach
Krivošei, Andrei; **Min, Mart**; **Annus, Paul**; **Kõiv, Hip**; Aabloo, Alvo; Uuetoa, Tiina 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. 940-943 : ill https://doi.org/10.1007/978-981-10-5122-7_235

Application of artificial neural networks to model the interaction between T-cells and B-cells and their equivalent impedance of the linearized model
Giannoukos, Georgios; **Min, Mart** Journal of computational methods in sciences and engineering 2015 / p. 295-302 http://dx.doi.org/10.3233/JCM-150544

Applications of multi-resolution analysis for bioimpedance signal processing
Birjukov, Andrei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 115-118 : ill

ASIC for bioimpedance measurement
Kuhlberg, Aivo Ringhääling '99 : VI Rahvusvahelise Telekommunikatsioonipäeva konverentsi ettekannete materjalid 1999 / lk. 84-89: ill

Assessing tissue hydration dynamics based on water/fat separated MRI
Karlsson, Markus; Indurain, Ainhoa; Romu,Thobias; Tunon, Patrik; Segelmark, Marten; **Uhlin, Nils Fredrik Arne**; Fernström, Anders; Dahlqvist Leinhard, Olof Journal of magnetic resonance imaging 2023 / p. 652-660 https://doi.org/10.1002/jmri.28581

Assessment of breathing parameters during running with a wearable bioimpedance device
Seppä, Ville-Pekka; Väisänen, Juho; Lahtinen, O.; Hyttinen, J. 4th European Conference of the International Federation for Medical and Biological Engineering : 23-27 November, 2008, Antwerp, Belgium. 9 2009 / p. 1088-1091

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

Availability and variations of cardiac activity in the case of measuring the bioimpedance of wrist
Metshein, Margus; **Annus, Paul**; **Land, Raul**; **Min, Mart**; Aabloo, Alvo 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2018) : proceedings 2018 / 5 p. : ill https://doi.org/10.1109/I2MTC.2018.8409684

Bioimpedance analysis of cardiac function using in-vivo experiments, measurements and stimulation
Gordon, Rauno; Haapalainen, A.; Kauppinen, P.; **Land, Raul** Proceedings of the 13th Nordic-Baltic Conference of BioMedical Engineering NBC'05 : June 13-17, 2005, Umea, Sweden 2005 / p. 309-310

Bioimpedance and spectroscopy
2021 https://doi.org/10.1016/C2018-0-04440-0

Bioimpedance based analysis of tissue oedema
Kink, Andres; **Min, Mart**; **Parve, Toomas**; **Rätsep, Indrek** Proceedings of the XII International Conference on Electrical Bioimpedance & the V Conference on Electrical Impedance Tomography : ICEBI/EIT 2004 : June 20-24, 2004, Gdansk, Poland. Vol. 1 2004 / p. 29-32

Bioimpedance based control of rate limit in artificial cardiac pacing
Min, Mart; Kink, Andres; **Parve, Toomas**; **Rätsep, Indrek** Proceedings of the IASTED International Conference on Biomedical Engineering BioMED 2005 : February 16-18, 2005, Innsbruck, Austria 2005 / p. 679-703

Bioimpedance based fuzzy control of cardiac pacing
Min, Mart; **Parve, Toomas** Catalog of the exhibition "Information Society Technologies" (IST'98), 30 Nov. - 2 Dec. 1998, Vienna, Austria 1998 / [1] p

Bio-impedance FDM-modelling inside heart for application in implanted devices
Gordon, Rauno; **Kuusik, Alar** Proceedings of the 31st International Congress of Electrocardiology "Advances in Electrocardiology 2004" : 27 June - 1 July, 2004, Singapore 2005 / p. 778-782

Bioimpedance monitoring of tissue transplants
Min, Mart; **Annus, Paul**; **Land, Raul**; **Paavle, Toivo**; **Haldre, Eero**; **Ruus, Rein** Proceedings of the 24th IEEE Instrumentation and Measurement Technology Conference IMTC 2007 : Warsaw, Poland, May 1-3, 2007 2007 / [4] p

Bioimpedance monitoring with improved accuracy using three-level stimulus

Paavle, Toivo; **Annus, Paul**; **Kuusik, Alar**; **Land, Raul**; **Min, Mart** Proceedings of European Conference on Circuit Theory and Design 2007 (ECCTD'07) : Seville, Spain, August 26-30, 2007 2007 / p. 412-415

Bioimpedance sensing - a viable alternative for tonometry in non-invasive assessment of central aortic pressure
Min, Mart; **Annus, Paul**; **Kõiv, Hip**; **Krivošei, Andrei**; Uuetoa, Tiina; Lamp, Jürgen 2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA) : May 7-10, 2017, Rochester, MN, USA : proceedings papers 2017 / p. 373-378 : ill https://doi.org/10.1109/MeMeA.2017.7985905

Bioimpedance sensors : instrumentation, models, and applications
Naranjo-Hernández, David; Reina-Tosina, Javier; Buendiá, Rubén; **Min, Mart** Journal of Sensors 2019 / art. 5078209 https://doi.org/10.1155/2019/5078209 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bio-impedance signal decomposer : enhanced accuracy and reduced latency solution
Krivošei, Andrei Estonian journal of engineering 2011 / 3, p. 201-219 : ill

Bio-impedance signal decomposer (BISD) as an adaptive signal model based separator of cardiac and respiratory components
Krivošei, Andrei; **Kukk, Vello**; **Birjukov, Andrei** 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 209-212 https://link.springer.com/chapter/10.1007/978-3-540-73841-1_56

Bio-Impedance Signal Decomposter (BISD) as an adaptive signal model based separator of cardiac and respiratory components
Krivošei, Andrei; **Kukk, Vello**; **Birjukov, Andrei** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 29-32 : ill

A bio-impedance signal simulator (BISS) for research and training purposes
Muhammad, Yar; **Le Moullec, Yannick**; **Annus, Paul**; **Krivošei, Andrei** 2015 26th Irish Signals and Systems Conference (ISSC) : Institute of Technology Carlow, Ireland, June 24-25, 2015 2015 / [4] p. : ill https://doi.org/10.1109/ISSC.2015.7163746

A bio-impedance signal synthesiser (BISS) for testing of an adaptive filtering system
Krivošei, Andrei 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 2006 / p. 225-228 : ill

Bioimpedance spectro-tomography system using binary multifrequency excitation [Online resource]
Min, Mart; Lehti-Polojärvi, M.; Hyttinen, Jari; **Rist, Marek**; **Land, Raul**; **Annus, Paul** International journal of bioelectromagnetism Proceedings of the 11th International Conference on Bioelectromagnetism : 23-25 May 2018, Aachen, Germany 2018 / p. 76-79 : ill http://www.ijbem.org/ https://publications.rwth-aachen.de/record/723893/files/723893.pdf

Bioimpedantsi mõõtmisel põhinev südamerütmuri juhtimine : [valdkondliku arutelu ettekanne]
Min, Mart Tallinna Tehnikaülikooli kaheksakümnes aastapäev 2000 / lk. 80-82 : ill

Biopsy needle including bioimpedance probe with optimized sensitivity distribution
Mäki, Sanna; Kari, Juho; Ahonen, Petri; Elomaa, Timo; **Annus, Paul**; Kronström, Kai The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

Biopsy needle including bioimpedance probe with optimized sensitivity distribution
Halonen, Sanna; Kari, Juho; Ahonen, Petri; Elomaa, Timo; **Annus, Paul**; Kronström, Kai International journal of bioelectromagnetism 2015 / p. 26-30 : ill

Comparative measurement of cardiac cycle by means of different sensors
Priidel, Eiko; **Land, Raul**; **Sinivee, Veljo**; **Annus, Paul**; **Min, Mart** 2017 Electronics : proceedings of the 21st International Conference : June 19th-21st, 2017, Palanga, Lithuania 2017 / [5] p. : ill https://doi.org/10.1109/ELECTRONICS.2017.7995221

Comparison of excitation signals and methods for a wideband bioimpedance measurement
Ojarand, Jaan; **Rist, Marek**; **Min, Mart** I2MTC 2016 : 2016 IEEE International Instrumentation and Measurement Technology Conference : May 23-26, 2016, Taipei International Convention Center, Taipei, Taiwan : proceedings 2016 / p. 1291-1296 : ill https://doi.org/10.1109/I2MTC.2016.7520555

Comparison of spectrally sparse excitation signals for fast bioimpedance spectroscopy : in the context of cytometry
Ojarand, Jaan; **Land, Raul**; **Min, Mart** MeMeA 2012 IEEE International Symposium on Medical Measurements and Applications : proceedings : May 18-19, 2012, Budapest, Hungary 2012 / 5 p. : ill https://ieeexplore.ieee.org/document/6226631

Comparison of the carbon nanofiber-/fiber- and silicone-based electrodes for bioimpedance measurements
Kõiv, Hip; **Pesti, Ksenija**; **Min, Mart**; **Land, Raul**; Must, Indrek IEEE transactions on instrumentation and measurement 2020 / p. 1455-1463 https://doi.org/10.1109/TIM.2019.2962297 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at

WOS

Computer aided method for measurement of reflection and impedance characteristics of RF devices
Asovich, P.L.; Zhukov, S.A.; Ivanyuhin V.I. Automation, simulation & measurement : ASM'91 : 3rd biennal conference, Tallinn, October 7-11, 1991. Section A. Section M / Tallinn Technical University 1992 / p. 122-127: ill

Computer modelling of intracardiac electrical bioimpedance
Gordon, Rauno; **Kuusik, Alar** Proceedings of the 31. International Congress on Electrocardiology : June 27-July 1, 2004, Kyoto, Japan 2004 / [4] p

Computer-simulation of impedance vector dynamics of intra-cardiac 4-electrode bio-impedance measurement
Gordon, Rauno; Rätsep, Indrek; **Kink, Andres** 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. 257-260 : ill

Controllable limiter of signal amplitudes for bioimpedance measurements
Ojarand, Jaan; **Min, Mart** 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. 920-923 : ill https://doi.org/10.1007/978-981-10-5122-7_230

Correlation between electrical bioimpedance and pressure waveform in radial artery and in mechanical pulsating pipe system
Metshein, Margus; **Annus, Paul**; **Land, Raul**; **Rist, Marek**; **Min, Mart**; **Märtens, Olev** 2020 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), May 25-29, 2020, Dubrovnik, Croatia : proceedings 2020 https://doi.org/10.1109/I2MTC43012.2020.9128972

Crest factor optimization of the multisine waveform for bioimpedance spectroscopy
Ojarand, Jaan; **Min, Mart**; **Annus, Paul** Physiological measurement 2014 / p. 1019-1033 : ill

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

Current source considerations for broadband bioimpedance spectroscopy
Annus, Paul; **Min, Mart**; **Rist, Marek**; **Ojarand, Jaan**; **Land, Raul** Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 2 2012 / p. 63-73

Decomposing of cardiac and respiratory signals from electrical bio-impedance data using filtering method
Mughal, Yar M. The International Conference on Health Informatics : ICHI 2013, Vilamoura, Portugal on 7-9 November, 2013 2014 / p. 252-255 : ill

Decomposition method of an electrical bio-impedance signal into cardiac and respiratory components
Krivošei, Andrei; **Kukk, Vello**; **Min, Mart** Physiological measurement 2008 / 6, p. S15-S25 : ill https://pubmed.ncbi.nlm.nih.gov/18544800/

Decomposition of the EBI signal into components using two channel cross-compensating singular spectrum analysis
Krivošei, Andrei; **Min, Mart**; **Annus, Paul**; **Butsenko, Maksim** 2018 IEEE International Symposium on Medical Measurements and Applications (MeMeA 2018) : proceedings : Rome, Italy, June 11-13, 2018 2018 / 5 p. : ill

Decomposition of the electrical bio-impedance signal : a signal model based method for separation of the cardiac and respiratory components
Krivošei, Andrei 2010 https://www.amazon.com/Decomposition-electrical-bio-impedance-signal-respiratory/dp/3838372220

Derivation of Bioimpedance Model Data Utilizing a Compact Analyzer and Two Capacitive Electrodes : A Forearm Example
Ojarand, Jaan; **Priidel, Eiko**; **Min, Mart** IEEE Transactions on Biomedical Circuits and Systems 2022 / p. 891-901 https://doi.org/10.1109/TBCAS.2022.3206666 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design concepts of lock-in signal converters for measurement of dynamic electrical bioimpedance
Parve, Toomas; Holmström, Nils; **Land, Raul**; **Min, Mart**; Noren, Kjell Proceedings of the 2nd European Medical & Biological Engineering Conference : EMBEC'02, December 4-8, 2002, Vienna, Austria. 2 2002 / p. 1456-1457

Design of a digitally controlled resistance and capacitance device for testing of the bio-impedance measurement systems
Birjukov, Andrei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 149-152 : ill

Design of bioimpedance measurement system using direct carrier compensation
Annus, Paul; Lamp, Jürgen; **Min, Mart**; **Paavle, Toivo** Proceedings of the European Conference on Circuit Theory and Design : ECCTD'05 : Cork, Ireland, Aug. 29 - Sept. 02, 2005. Vol. III 2005 / p. 23-26 https://ieeexplore.ieee.org/document/1523051

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

Developing e-learning functionalities on electrical bioimpedance for the biomedical electronics course
Gordon, Rauno; **Min, Mart**; **Parve, Toomas** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 327-330 : ill

Development and analysis of carbon-based dry-contact electrodes for bioimpedance measurements = Süsinikmaterjalil põhinevate kuivkontakt-elektroodide arendus ja analüüs bioimpedantsi mõõtmiseks
Kõiv, Hip 2023 https://doi.org/10.23658/taltech.1/2023 https://digikogu.taltech.ee/et/Item/f2775738-652e-4b4e-ba34-7a61fab78867 https://www.ester.ee/record=b5528441*est

Development of a bio-impedance signal simulator on the basis of the regression based model of the cardiac and respiratory impedance signals
Muhammad, Yar; **Le Moullec, Yannick**; **Annus, Paul**; **Min, Mart** 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 92-95 : ill

Device and method for monitoring bioimpedance of tissue transplants
Annus, Paul; **Haldre, Eero**; **Kuusik, Alar**; **Land, Raul**; **Min, Mart**; **Paavle, Toivo**; **Parve, Toomas** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 140-143 : ill

A device for measuring the electrical bioimpedance with variety of electrode placements for monitoring the breathing and heart rate
Metshein, Margus 2015 26th Irish Signals and Systems Conference (ISSC) : Institute of Technology Carlow, Ireland, June 24-25, 2015 2015 / [4] p. : ill http://dx.doi.org/10.1109/ISSC.2015.7163748

Difference sampling in bio-impedance measurement
Annus, Paul; **Rist, Marek**; Reidla, Marko; **Min, Mart** Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 67

A digital multichannel bioimpedance analyser : signal processing task and its solution
Annus, Paul; **Kuusik, Alar**; **Land, Raul**; **Märtens, Olev**; **Ronk, Ants** Proc. of the IEEE Instrumentation and Measurement Technology Conference : IMTC 2006 : Sorrento, Italy, April 24-27, 2006 2006 / p. 1405-1409 https://doi.org/10.1109/IMTC.2006.328596

Digital post-processing of the bio-impedance signal
Märtens, Olev; **Märtin, Hannes**; **Min, Mart**; **Parve, Toomas**; **Ronk, Ants** Proceedings of X International Conference on Electrical Bio-Impedance : ICEBI'98 : 5-9 April 1998, Barcelona 1998 / p. 445-448

Digitally controlled reference impedance device for test and calibration of the bio-impedance measurement system (BIMS) in a networked environment
Birjukov, Andrei; **Krivošei, Andrei**; **Parve, Toomas** 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 276-279 https://link.springer.com/chapter/10.1007/978-3-540-73841-1_73

DSP-based device for multi-frequency bio-impedance measurement
Märtens, Olev Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering : NBCBME'99 : June 6-10, 1999, Tallinn, Estonia, p. 165-170

A DSP-based EBI, ECG and PPG measurement platform
Abdullayev, Anar; **Rist, Marek**; **Märtens, Olev**; **Metshein, Margus**; Larras, Benoit; Frappe, Antoine; Gautier, Antoine; **Min, Mart**; John, Deepu; Cardiff, Barry; **Krivosei, Andrei**; **Annus, Paul** IEEE transactions on instrumentation and measurement 2023 / art. 2007808, 8 p https://doi.org/10.1109/TIM.2023.3320771

Dynamic electrical impedance measurement methods
Giannoukos, Georgios; **Min, Mart** Engineering Technology, Engineering Education and Engineering Management : 2014 International Conference on Engineering Technology, Engineering Education and Engineering Management (ETEEEM 2014), Guangzhou, China, 15-16 November 2014 2015 / p. 379-383 : ill http://dx.doi.org/10.1201/b18566-91

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

Dynamic volume measurement of right ventricle using impedance spectroscopy and multi electrode intraventricular catheter
Kink, Andres; **Rist, Marek**; **Land, Raul**; **Kõiv, Hip**; **Min, Mart** International Workshop on Impedance Spectroscopy : IWIS 2016 : September 26-28, 2016, Technische Universität Chemnitz, Germany : abstract book 2016 / p. 26-27 : ill

Eesti teadlase leiutatud sensor võib olla abiks hingamisraskustega inimeste ravil [Võrguväljaanne]
Loite, Sander novaator.err.ee 2020 / video Eesti teadlase leiutatud sensor võib olla abiks hingamisraskustega inimeste ravil

Efficient excitation signals for the fast impedance spectroscopy
Ojarand, Jaan; **Min, Mart** Elektronika ir elektrotechnika = Electronics and electrical engineering 2014 / p. 144-149 : ill

Electric impedance measurement of tissue phantom materials for development of medical diagnostic systems
Kõiv, Hip; **Gordon, Rauno**; **Pesti, Ksenija** International Workshop on Impedance Spectroscopy 2014 : September 24-26 2014, Chemnitz, Germany 2014 / [2] p. : ill

Electric impedance measurement of tissue phantom materials for development of medical diagnostic systems
Kõiv, Hip; **Pesti, Ksenija**; **Gordon, Rauno** Progress reports on impedance spectroscopy : measurements, modeling, and application 2017 / p. 131-137 : ill https://doi.org/10.1515/9783110449822-013

Electrical bioimpedance based monitoring of cardiac and respiratory activity : positioning of capacitive electrodes for wearable human monitoring device
Metshein, Margus; **Parve, Toomas** International journal of bioelectromagnetism 2015 / p. 64-74 : ill

Electrical bio-impedance based non-invasive method for the central aortic blood pressure waveform estimation
Krivošei, Andrei; **Min, Mart**; **Uuetoa, Hasso**; **Lamp, Jürgen**; **Annus, Paul** 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. 181-184 : ill

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

Electrochemical impedance spectroscopy
El-Azazy, Marwa; **Min, Mart**; **Annus, Paul** Intechopen 2020 https://www.intechopen.com/books/10054
https://doi.org/10.5772/intechopen.92333

Electrode optimization for bioimpedance based central aortic blood pressure estimation
Metshein, Margus; **Kõiv, Hip**; **Annus, Paul**; **Min, Mart** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 497-501 https://doi.org/10.1007/978-981-10-9038-7_92 Conference Proceedings at Scopus Article at Scopus Article at WOS

Electrode placement configuration variations with the aim of monitoring the rate of breathing and pulse by the means of electrical bioimpedance
Metshein, Margus Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 7-10 : ill

Electrode placement strategies for the measurement of radial artery bioimpedance : simulations and experiments
Pesti, Ksenija; **Metshein, Margus**; **Annus, Paul**; **Kõiv, Hip**; **Min, Mart** IEEE transactions on instrumentation and measurement 2021 / 10 p. : ill https://doi.org/10.1109/TIM.2020.3011784 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Elektrilise bioimpedantsi mõõtmistest ravimuda mõju hindamiseks inimese nahale
Metshein, Margus Tervisedenduse ja Rehabilitatsiooni Kompetentsikeskuse ravimuda valdkonna toimetised. 2 2019 / lk. 82-96 : ill
https://terekk.ee/wp-content/uploads/Toimetised-II-parand_t%C3%A4isresolutsiooniline.pdf

Elektrilisel bioimpedantsil põhinev sensor jälgib kopsude ja südame tööd
Mente et Manu 2021 / lk. 30-31 : portr Mente et Manu 2/2021

Elektroonikainstituudi teadlaste leiutis aitab jälgida südame-veresoonkonna tervist
Härmat, Karin Mente et Manu 2021 / lk. 47 Mente et Manu 1/2021 https://www.ester.ee/record=b1242496*est

Eluskudede elektriline bioimpedants : kongressist kongressini ja laiemaltki
Min, Mart Tallinna Tehnikaülikooli aastaraamat 2003 2004 / lk. 297-301 : ill. (Kongressimuljeid)

Energy-efficient pulses for deep brain stimulation
Gordon, Rauno; **Min, Mart**; **Land, Raul** Impedance spectroscopy : advanced applications : battery research, bioimpedance, system design 2018 / p. 153-160 : ill https://doi.org/10.1515/9783110558920-015

Enhanced optimization of the wideband excitation signal for a bioimpedance measurement
Ojarand, Jaan; **Rist, Marek**; **Min, Mart** 2015 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2015) : May 11-14, 2015, Pisa, Italy : proceedings 2015 / p. 1801-1806 : ill http://dx.doi.org/10.1109/I2MTC.2015.7151554

Estimating the transfer function between the CAP and radial EBI cardiac periods : use of PCA for dominating spectral features analysis
Krivošei, Andrei; **Uuetoa, Hasso**; **Min, Mart**; Lamp, Jürgen; **Annus, Paul**; Uuetoa, Tiina International journal of bioelectromagnetism 2015 / p. 31-35 : ill

Excitation current source for bioimpedance measurement applications : analysis and design
Annus, Paul; **Krivošei, Andrei**; **Min, Mart**; **Parve, Toomas** I2MTC 2008 : IEEE International Instrumentation and Measurement Technology Conference : May 12-15, 2008, Victoria, Canada 2008 / p. 848-853 : ill

Fat prediction in minced meat with low-cost BIA spectrometer
Objartel, Mart; **Tamm, Martti**; **Kraft, Kadri**; **Annus, Paul**; **Land, Raul** Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 38

Fundamentals, recent advances, and future challenges in bioimpedance devices for healthcare applications
Naranjo-Hernandez, David; Reina-Tosina, Javier; **Min, Mart** Journal of sensors 2019 / art. 9210258, 42 p. : ill https://doi.org/10.1155/2019/9210258 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Füsioloogiliste signaalide süsteem sagedusadaptiivse südamestimulaatori tüürimiseks : magistritöö
Lass, Jaanus 1996 https://www.ester.ee/record=b2687125*est

Hankel matrix based algorithm for cardiac pulse wave base and peak lines Correction
Krivošei, Andrei; **Min, Mart**; **Annus, Paul**; **Märtens, Olev**; **Metshein, Margus**; Lotamõis, Kristina; Rist, Marek IEEE International Workshop on Medical Measurement and Applications (MEMEA) 2022 / 6 p https://doi.org/10.1109/MeMeA54994.2022.9856564

Hardware imitation of the varying bioelectrical impedance for testing the device for measurement of the impedance of human trunk by using a JFET
Metshein, Margus 21st 2016 International Conference on Applied Electronics : Pilsen, 6-7 September 2016 2016 / p. 173-176 : ill https://doi.org/10.1109/AE.2016.7577267

Heart bioimpedance 3D FDM modelling with anisotropic tissue properties
Gordon, Rauno BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 175-178 : ill

Heartwork analysis using bioimpedance method
Gordon, Rauno Telekommunikatsioon 2002 : IX rahvusvahelise telekommunikatsioonipäeva materjalid 2002 / lk. 8-14 : ill

High speed data preprocessing for bioimpedance measurements : architectural exploration
Ellervee, Peeter; **Annus, Paul**; **Min, Mart** The 27th NORCHIP Conference : Trondheim, Norway, November 2009 2009 / [4] p https://ieeexplore.ieee.org/document/5397838

How many frequencies to use in electrical bioimpedance measurements
Ojarand, Jaan; **Land, Raul**; **Min, Mart**; **Rist, Marek** Impedance spectroscopy : advanced applications : battery research, bioimpedance, system design 2018 / p. 161–168 : ill http://doi.org/10.1515/9783110558920-016

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

Implementation of multisine signal generator for a bioimpedance measurement device
Gorev, Maksim; **Pesonen, Vadim**; **Ellervee, Peeter** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 275-278 : ill

Improved extraction of information in bioimpedance measurements
Min, Mart; **Paavle, Toivo** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 78 : ill

Improvement of lock-in electrical bio-impedance analyzer for implantable medical devices

Min, Mart; **Parve, Toomas** IEEE transactions on instrumentation and measurement 2007 / 3, p. 968-974

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

Improvement of lock-in signal processing for applications in measurement of electrical bioimpedance
Parve, Toomas; **Land, Raul** Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 3, p. 185-197

Improvement of switching lock-in signal conversion in bioimpedance analysers
Parve, Toomas; **Land, Raul**; **Min, Mart**; **Poola, Gustav** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 179-182 : ill

Intra-cardiac bioimpedance field variability with breathing
Gordon, Rauno; Väisänen, Juho; Hyttinen, Jari 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 20-23 https://link.springer.com/chapter/10.1007/978-3-540-73841-1_8

Intracardiac electrical bioimpedance as a basis for controlling of pacing rate limits
Kink, Andres; Salo, Rodney; **Min, Mart**; **Parve, Toomas**; **Rätsep, Indrek** Proceedings of the 28th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : New York, 30.08-3.09.2006 2006 / p. 6308-6311

Investigation of cost-effective carbon nanofiber/carbon fiber and silicone polymer composite material for wearable bioimpedance device
Kõiv, Hip; **Pesti, Ksenija**; **Min, Mart**; **Land, Raul** 2019 IEEE Sensors Applications Symposium (SAS 2019), Sophia Antipolis, France, 11-13 March, 2019 : proceedings 2019 / 6 p https://doi.org/10.1109/SAS.2019.8706026

Investigation of the graphene-on-silicon-carbide and CVD graphene as a basis for bioimpedance sensor applications : poster
Sleptšuk, Natalja; **Land, Raul**; **Toompuu, Jana**; **Lebedev, Alexander A.**; Davydov, Valery; Eliseyev, Ilya; Kalinina, Evgenia; **Korolkov, Oleg**; **Rang, Toomas** ePosters 2018 / 1 p.: ill https://cdn.technologynetworks.com/ep/pdfs/natalja-sleptsuk-a-raul-land-a-jana-toompuu-a-alexander-lebedev-b-valery-davydov-b-ilya-eliseyev-b.pdf

Kas tunned end hästi? Või on sind hetk tagasi tabanud tervisehäire? Seda ei ütle tulevikus esimesena arst, vaid kõikvõimalikud meditsiini- ja keskkonnaandurid [Võrguväljaanne]
digi.geenius.ee 2022 "Kas tunned end hästi? Või on sind hetk tagasi tabanud tervisehäire? Seda ei ütle tulevikus esimesena arst, vaid kõikvõimalikud meditsiini- ja keskkonnaandurid"

Limitation of signal amplitudes in bioimpedance spectroscopy
Ojarand, Jaan; **Rist, Marek**; **Min, Mart** Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 68

Lock-in integration for detection of tiny bioimpedance variations [Online resource]
Priidel, Eiko; **Annus, Paul**; **Metshein, Margus**; **Land, Raul**; **Märtens, Olev**; **Min, Mart** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill https://doi.org/10.1109/BEC.2018.8600965

Lock-in measurement of bio-impedance variations
Min, Mart; **Märtens, Olev**; **Parve, Toomas** Measurement 2000 / 1, p. 21-28

Lock-in measurement of the hand-hand bio-impedance
Min, Mart; **Haldre, H.**; **Härm, Härmo**; **Märtens, Olev**; **Märtin, Hannes**; **Parve, Toomas**; **Ronk, Ants** 8th International IMEKO Conference on Measurement in Clinical Medicine Biomedical Measurement and Instrumentation & 12th International Symposium on Biomedical Engineering, Dubrovnik, Croatia, September 16-19, 1998 : proceedings 1998 / p. 2.49-2.52

Low-energy chirps for bioimpedance measurement
Paavle, Toivo; **Min, Mart**; Trebbels, Dennis 34th International Conference on Telecommunications and Signal Processing (TSP) : Budapest, Hungary, August 18-20, 2011 : [proceedings] 2011 / p. 398-402 : ill

Mart Min, elektroonikaprofessor ja leiutaja 80!
Märtens, Olev Postimees 2023 / lk. 13

Mathematical and physical modelling of dynamic electrical impedance = Dünaamilise impedantsi matemaatiline ja füüsikaline modelleerimine
Giannoukos, Georgios 2016 https://digi.lib.ttu.ee/i/?5654

Mathematical and physical modelling of the dynamic electrical impedance both of a healthy neuron and one affected by

Parkinson's disease
Giannoukos, Georgios Advances in applied information science : proceedings of the 12th WSEAS International Conference on Applied Informatics and Communications (AIC '12) : proceedings of the 5th WSEAS International Conference on Biomedical Electronics and Biomedical Informatics (BEBI '12) : Istanbul, Turkey, August 21-23, 2012 2012 / p. 79-84 : ill
https://www.researchgate.net/publication/264128963_Mathematical_and_Physical_Modelling_of_the_Dynamic_Electrical_Impedance_of_a_Neuron

Mathematical and physical modelling of the dynamic electrical impedance of a neuron
Giannoukos, Georgios; **Min, Mart** International journal of circuits, systems and signal processing 2012 / p. 359-366 : ill
https://www.researchgate.net/publication/264128963_Mathematical_and_Physical_Modelling_of_the_Dynamic_Electrical_Impedance_of_a_Neuron

Mathematical and physical modelling of the dynamic electrical impedance of a tooth
Giannoukos, Georgios; **Min, Mart** Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2014 (ICNAAM-2014) : Rhodes, Greece, 22-28 September 2014 2015 / p. 850002-1 - 850002-4 http://dx.doi.org/10.1063/1.4913057

Mathematical modelling of the dynamic electrical impedance of a parallel RC circuit using a Wien bridge oscillator
Giannoukos, Georgios; **Min, Mart** Journal of computational methods in sciences and engineering 2015 / p. 287-293
http://dx.doi.org/10.3233/JCM-150543

Measurement of intracardiac bioimpedance in rate adaptive pacemakers
Kuusik, Alar; **Land, Raul**; **Min, Mart**; **Parve, Toomas**; **Poola, Gustav** Proceedings of the 31st International Congress of Electrocardiology "Advances in Electrocardiology 2004" : 27 June - 1 July, 2004, Singapore 2005 / p. 738-742

Measurement of intracardiac bioimpedance in rate adaptive pacemakers
Kuusik, Alar; **Land, Raul**; **Min, Mart**; **Parve, Toomas**; **Poola, Gustav** Proceedings of the 31. International Congress on Electrocardiology : June 27-July 1, 2004, Kyoto, Japan 2004 / [4] p

Method for synchronous sampling in multifrequency bioimpedance measurements
Min, Mart; **Parve, Toomas**; **Annus, Paul**; **Paavle, Toivo** Proceedings of the 23rd IEEE Instrumentation and Measurement Technology Conference (IMTC/06) : Sorrento, Italy, 24-27 April, 2006 2006 / p. 1699-1703

A method of intra-ventricular bioimpedance spectroscopy to estimate the dynamic volume of right ventricle
Kink, Andres; **Rist, Marek**; **Land, Raul**; **Kõiv, Hip**; **Min, Mart** Impedance spectroscopy : advanced applications : battery research, bioimpedance, system design 2018 / p. 169–176 : ill https://doi.org/10.1515/9783110558920-017

Methods for detection of bioimpedance variations in resource constrained environments
Priidel, Eiko; **Annus, Paul**; **Krivošei, Andrei**; **Rist, Marek**; **Land, Raul**; **Min, Mart**; **Märtens, Olev** Sensors 2020 / art. 1363, 16 p. : ill https://doi.org/10.3390/s20051363 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Methods of multi-frequency bioimpedance measurement in implantable and wearable devices
Min, Mart; **Parve, Toomas**; **Poola, Gustav** Proceedings of the 3rd European Medical & Biological Engineering Conference EMBEC'05 : November 20-25, 2005, Prague, Czech Republic 2005 / [4] p

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

Modeling in the bioimpedance measurement techniques using general-purpose software
Paavle, Toivo 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 2006 / p. 209-212 : ill

Modeling of the PLL-based bioimpedance measurement system
Paavle, Toivo; **Min, Mart** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 183-186 : ill

Modeling the dynamics of lung tissue with pulsating blood-flow in pulmonary arteries for bioimpedance simulation
Gordon, Rauno; **Annus, Paul** International Workshop on Impedance Spectroscopy : IWIS 2013 : abstract book : September 25-27, 2013, Chemnitz University of Technology, Germany 2013 / p. 94-65 : ill

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

Modelling of cardiac dynamics and intracardiac bioimpedance = Südame dünaamika ja südamesisese bioimpedantsi

modelleerimine
Gordon, Rauno 2007 https://digi.lib.ttu.ee/i/?147

Modelling of dynamic electrical bioimpedance and measurements safety
Giannoukos, Georgios; **Min, Mart** AASRI procedia 2014 / p. 12-18 : ill

Modelling, design and test of a bioimpedance measurement system with carrier compensation
Annus, Paul; Lamp, Jürgen; **Min, Mart**; **Paavle, Toivo** Proceedings of the 46th RTU Scientific Conference : Riga, Latvia, 13-14 October, 2005 2005 / p. 22-25

Modification of pulse wave signals in electrical bioimpedance analyzer for implantable medical devices
Min, Mart; Kink, Andres; **Land, Raul**; **Parve, Toomas**; **Rätsep, Indrek** Proceedings of the 26. Annual International Conference of the IEEE EMBS : September 1-5, 2004, San Francisco, California, USA 2004 / p. 2263-2266
https://pubmed.ncbi.nlm.nih.gov/17272178/

Modular system for fast impedance spectrum analysis of biomedical objects
Rist, Marek; **Reidla, Marko**; **Märtens, Olev**; **Land, Raul**; **Min, Mart**; **Parve, Toomas**; **Annus, Paul** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 151 : ill

Modular system for spectral analysis of time-variant impedances
Rist, Marek; **Reidla, Marko**; **Land, Raul**; **Parve, Toomas**; **Märtens, Olev**; **Annus, Paul**; **Ojarand, Jaan**; **Min, Mart** 6th European Conference of the International Federation for Medical and Biological Engineering : MBEC 2014, 7-11 September 2014, Dubrovnik, Croatia 2015 / p. 858-861 : ill

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

Multi-frequency and multi-channel bio-impedance measurement solution [Electronic resource]
Märtens, Olev; **Min, Mart**; **Land, Raul**; **Annus, Paul** Proceedings of 7th Nordic Signal Processing Symposium (NORSIG 2006) : Reykjavik, Iceland, June7-9, 2006 2006 / [4] p. [CD-ROM] https://ieeexplore.ieee.org/document/4052217

Multi-frequency bioimpedance measurement : undersampling approach
Märtens, Olev; **Min, Mart** Proceedings of the 6th Nordic Signal Processing Symposium : NorSig 2004 : June 9-11, 2004, Espoo, Finland 2004 / p. 145-148

Multifrequency vector impedance measurement: undersampled DFT with noise pre-filtering
Märtens, Olev; **Min, Mart** 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 2006 / p. 217-220 : ill

Multisine and binary multifrequency waveforms in impedance spectrum measurement : a comparative study
Annus, Paul; **Min, Mart**; **Ojarand, Jaan**; **Paavle, Toivo**; **Land, Raul**; **Ellervee, Peeter**; **Parve, Toomas** 5th European Conference of the International Federation for Medical and Biological Engineering : 14-18 September 2011, Budapest, Hungary 2012 / p. 1265-1268 https://link.springer.com/chapter/10.1007/978-3-642-23508-5_327

Multisine signal generation method for a bioimpedance measurement device
Gorev, Maksim; **Pesonen, Vadim**; **Ellervee, Peeter** Proceedings of the 2012 IEEE 15th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) : April 18-20, 2012 Tallinn, Estonia 2012 / p. 111-114 : ill

Noninvasive measuring of breathing and pulse of a human by the means of electrical bioimpedance
Metshein, Margus Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 75-78 : ill

Observations concerning the results of capacitive monitoring of breathing and heart rate by the means of electrical bioimpedance
Metshein, Margus The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

On the possibility of detecting the electrical bioimpedance of human body by using non-contact electrodes in capacitive connection
Metshein, Margus; **Gordon, Rauno** 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. 171-174 : ill
http://www.ester.ee/record=b2150914*est

On the selection of excitation signals for the fast spectroscopy of electrical bioimpedance
Ojarand, Jaan; **Min, Mart** Journal of electrical bioimpedance 2018 / p. 133-141 : ill https://doi.org/10.2478/joeb-2018-0018 Journal

metrics at Scopus Article at Scopus

On-Desk Model-Based Study for Evaluating the Effect of Squeezing the Arteries in the Forearm on the Bioimpedance and Pressure of Blood
Metshein, Margus; **Annus, Paul**; **Land, Raul**; **Rist, Marek**; **Min, Mart**; Lotamõis, Kristina; **Märtens, Olev** Journal of sensors 2023 / art. 5710835 https://doi.org/10.1155/2023/5710835

One bio-medical multisine measurement task: solution principles
Ronk, Ants; **Min, Mart** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 199-200 : ill

Optimisation of multisine waveform for bio-impedance spectroscopy
Ojarand, Jaan; **Annus, Paul**; **Min, Mart** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 79 : ill

Optimized waveforms for synchronous signal processing
Annus, Paul; **Min, Mart**; **Ojarand, Jaan** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 51-54 : ill

Our Journal is entering into its second decade
Min, Mart Journal of electrical bioimpedance 2019 / p. 1 https://doi.org/10.2478/joeb-2019-0001 Journal metrics at Scopus Article at Scopus

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

A parametric framework for the development of bioelectrical applications : application to a bio-impedance signal simulator
Muhammad, Yar; **Annus, Paul**; **Le Moullec, Yannick**; **Rang, Toomas** Proceedings of the Estonian Academy of Sciences 2016 / p. 345-357 : ill https://doi.org/10.3176/proc.2016.4.03

PLL-based extraction of the cardiac component from the bio-impedance signal
Märtens, Olev; **Min, Mart**; **Annus, Paul**; **Land, Raul**; **Krivošei, Andrei**; **Metshein, Margus** 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2018) : proceedings 2018 / 6 p. : ill https://doi.org/10.1109/I2MTC.2018.8409848

PLL-based measurement of bioimpedance using undersampling
Min, Mart; **Paavle, Toivo** Proceedings of the XII International Conference on Electrical Bioimpedance & the V Conference on Electrical Impedance Tomography : ICEBI/EIT 2004 : June 20-24, 2004, Gdansk, Poland. Vol. 2 2004 / p. 347-350

Principles for the design of impedance spectroscopy devices for identification of dynamic bio-systems = Dünaamiliste biosüsteemide impedantsspektroskoopia seadmete disaini printsiibid
Rist, Marek 2018 https://digi.lib.ttu.ee/i/?9260

Prof Mart Min : tehnoloogia teeb tervemaks ja rikkamaks
Min, Mart Director. Inseneeria 2019 / lk. 18-24 : fot http://www.ester.ee/record=b2336521*est

PWM based lock-in bioimpedance measurement unit for implantable medical devices
Kuhlberg, Aivo; **Land, Raul**; **Min, Mart**; **Parve, Toomas** Proceedings of the XVII IMEKO World Congress : June 22-27, 2003, Dubrovnik, Croatia 2003 / p. 1710-1713 : ill

Quantization of the response signal differences for the electrical bioimpedance measurement
Annus, Paul; **Land, Raul**; **Priidel, Eiko**; **Metshein, Margus**; **Min, Mart**; **Märtens, Olev** 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. 290-293 : ill https://doi.org/10.1007/978-981-10-5122-7_73

Realization and evaluation of the device for measuring the impedance of human body for detecting the respiratory and heart rate
Metshein, Margus; **Parve, Toomas**; **Annus, Paul**; **Rist, Marek**; **Min, Mart** Elektronika ir elektrotechnika = Electronics and electrical engineering 2017 / p. 36-42 : ill http://dx.doi.org/10.5755/j01.eie.23.3.18330

Reconfigurable data acquisition unit for bioimpedance measurements
Pesonen, Vadim; **Gorev, Maksim**; **Annus, Paul**; **Min, Mart**; **Ellervee, Peeter** 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 2010 / p. 257-260 : ill

Rectangular wave excitation in wideband bioimpedance spectroscopy
Min, Mart; **Paavle, Toivo**; **Annus, Paul**; **Land, Raul** IEEE International Workshop on Medical Measurements and Applications : MeMeA2009 : Cetraro, Italy, May 29-30, 2009 2009 / p. 268-271

Regression based model of the impedance cardiac and respiratory signals for the development of a bio-impedance signal simulator
Mughal, Yar M; **Annus, Paul** Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 15-18 : ill

Reprogrammable data acquisition unit to reduce aliasing effect in bioimpedance measurements
Pesonen, Vadim; **Gorev, Maksim**; **Annus, Paul**; **Min, Mart**; **Ellervee, Peeter** The 7th Annual FPGA World Conference, Copenhagen, Denmark, 6 September 2010 2010 / [6] p.: ill

Robust algorithm for the augmentation index estimation of the CAP using low order derivatives [Electronic resource]
Krivošei, Andrei; **Min, Mart**; **Lamp, Jürgen**; **Annus, Paul** MeMeA 2014 : IEEE International Symposium on Medical Measurements and Applications : June 11-12, 2014, ISCTE, University of Lisbon, Lisbon, Portugal : proceedings 2014 / p. 279-282 : ill. [CD-ROM]

Separation of cardiac and respiratory components from the electrical bio-impedance signal using PCA and fast ICA
Mughal, Yar M.; **Krivošei, Andrei**; **Annus, Paul** International Conference on Control Engineering & Information Technology (CEIT'13), Sousse, Tunisia, June 04-07, 2013 : [proceedings] 2013 / [4] p

Short-time chirp excitations for using in wideband characterization of objects: an overview
Paavle, Toivo; **Min, Mart**; **Ojarand, Jaan**; **Parve, Toomas** 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 2010 / p. 253-256 : ill

Signals in bioimpedance measurement : different waveforms for different tasks
Min, Mart; Pliquett, Uwe; Nacke, T.; Barthel, A.; **Annus, Paul**; **Land, Raul** 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 181-184
https://www.researchgate.net/publication/226357858_Signals_in_bioimpedance_measurement_Different_waveforms_for_different_tasks

Simple and efficient excitation signals for fast impedance spectroscopy
Ojarand, Jaan; **Min, Mart** Elektronika ir elektrotechnika = Electronics and electrical engineering 2013 / p. 49-52 : ill

Simplified DFT with sorted accumulation of input samples
Märtens, Olev 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. 329-332 : ill

Simplified signal processing for impedance spectroscopy with spectrally sparse sequences
Annus, Paul; **Land, Raul**; **Reidla, Marko**; Ojarand, Jaan; **Mughal, Yar M.**; **Min, Mart** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 76

Simulation of intra-cardiac complex impedance signals for developing simple bio-impedance models for cardio-dynamics
Gordon, Rauno 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 2006 / p. 213-216 : ill

Simultaneous multi-frequency bioimpedance measurement applying synchronised uniform or non-uniform sampling
Ronk, Ants; **Min, Mart**; **Parve, Toomas** 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 185-189

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

Synchronous primary signal processing for MIMO bio-impedance measurement on several frequencies
Ronk, Ants; Toomessoo, Jüri 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. 313-316 : ill

Synchronous sampling and demodulation in an instrument for multifrequency bioimpedance measurement
Min, Mart; **Parve, Toomas**; **Ronk, Ants**; **Annus, Paul**; **Paavle, Toivo** IEEE transactions on instrumentation and measurement 2007 / 4, p. 1365-1372 : ill https://ieeexplore.ieee.org/document/4277035

System for bioimpedance signal simulation from pulsating blood flow in tissues
Gordon, Rauno; **Pesti, Ksenija** International workshop on impedance spectroscopy 2012 / p. 22-23 : ill

System for bioimpedance signal simulation from pulsating blood flow in tissues
Gordon, Rauno; **Pesti, Ksenija** Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 4 2014 / p. 51-58 : ill

Teaduselt ühiskonnale : mis on spektroskoopia : vastab professor Mart Min
Min, Mart KesKus 2013 / lk. 44 : ill

The testing of the bioimpedance measurement ASIC
Sillakivi, Peeter Telekommunikatsioon 2002 : IX rahvusvahelise telekommunikatsioonipäeva materjalid 2002 / lk. 15-20 : ill

Theoretical development and computer simulation of a bioimpedance measurement system
Paavle, Toivo Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 3, p. 198-208

Thoracic bioimpedance as a basis for pacing control
Min, Mart; **Parve, Toomas**; Kink, Andres Electrical bioimpedance methods : applications to medicine and biotechnology 1999 / p. 155-166 (invited): ill

Time-domain manipulating of short-time chirps
Paavle, Toivo; **Min, Mart** 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. 129-132 : ill

Towards a wearable device for capacitive monitoring of electrical bioimpedance of human body
Metshein, Margus; **Parve, Toomas** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

TTÜ elektroonikainsenerid ütlevad sõna sekka ka meditsiinialal : [TTÜ elektroonikainstituudi eestvedamisel on esitatud taotlus TTÜ leiutise "Meetod ja seade elektrilise bioimpedantsi mõõtmiseks" kaitsmiseks patendina]
Äripäev 2003 / lk. 1 : fot (Kliendileht Tehnoloogia)

Using neural networks to model self-immune disease in terms of the alterations of the dynamic electrical impedance
Giannoukos, Georgios; **Min, Mart** Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2014 (ICNAAM-2014) : Rhodes, Greece, 22-28 September 2014 2015 / p. 850001-1 - 850001-4 http://dx.doi.org/10.1063/1.4913056

Using of chirp excitation for bioimpedance estimation : theoretical aspects and modeling
Paavle, Toivo; **Min, Mart**; **Parve, Toomas** 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. 325-328 : ill

Validation of simulations of eddy current methods with measurements on phantom materials for biomedical engineering R&D
Pesti, Ksenija; **Kõiv, Hip**; **Gordon, Rauno** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

Validation of simulations of eddy current methods with measurements on phantom materials for biomedical engineering R&D
Pesti, Ksenija; **Kõiv, Hip**; **Gordon, Rauno** International journal of bioelectromagnetism 2015 / p. 57-63 : ill

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

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

Wearable system for non-invasive and continuous monitoring central aortic pressure curve and augmentation index
Krivošei, Andrei; **Lamp, Jürgen**; **Min, Mart**; **Uuetoa, Tiina**; **Uuetoa, Hasso**; **Annus, Paul** 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. 101-106 : ill

Wideband excitation signals for fast impedance spectroscopy of biological objects = Lairiba ergutussignaalid bioloogiliste objektide kiiretoimelise bioimpedants-spektroskoopia jaoks
Ojarand, Jaan 2012 https://www.ester.ee/record=b2896512*est

Wideband object identification with rectangular wave chirp excitation
Paavle, Toivo; **Min, Mart**; **Annus, Paul**; **Birjukov, Andrei**; **Land, Raul**; **Parve, Toomas** ECCTD'09 : European Conference on Circuit Theory and Design 2009 : Antalya, Turkey, August 23-27, 2009 2009 / p. 421-424 https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5275007

Virtual heart : modelling of cardiac dynamics and intracardiac bioimpedance
Gordon, Rauno 2011 https://www.amazon.com/Virtual-Heart-Modelling-Intracardiac-Bioimpedance/dp/3838370643

Ühendriikide patent TTÜ leiutisele : ["Meetod ja seade elektrilise bioimpedantsi mõõtmiseks"]
Nõges, Krõõt Mente et Manu 2010 / lk. 2