

**Accurate dialysis dose evaluation and extrapolation algorithms during online optical dialysis monitoring**  
**Fridolin, Ivo; Karai, Deniss; Kostin, Sergei; Ubar, Raimund-Johannes** IEEE transactions on biomedical engineering 2013 / p. 1371-1377 : ill <https://doi.org/10.1109/TBME.2012.2234458> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Additive manufacturing of a martensitic Co–Cr–Mo alloy : Towards circumventing the strength–ductility trade-off**  
Wang, Zhi; Tang, S.Y.; Scudino, Sergio; Ivanov, Y.P.; Qu, R.T.; Wang, D.; Yang, C.; Zhang, W.W.; Greer, A.L.; Eckert, Juergen H.; **Prashanth, Konda Gokuldoss** Additive Manufacturing 2021 / art. 101725 <https://doi.org/10.1016/j.addma.2020.101725> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Advances in detection of antibiotic pollutants in aqueous media using molecular imprinting technique - a review**  
**Ayankoj, Akinrinade George; Reut, Jekaterina; Nguyen, Vu Bao Chau; Boroznjak, Roman; Sōritski, Vitali** Biosensors 2022 / art. 441 <https://doi.org/10.3390/bios12070441> Journal metrics at Scopus Article at Scopus Journalmetrics at WOS Article at WOS

**The analysis of finger photoplethysmographic waveform in healthy volunteers and diabetes patients [Electronic resource]**  
**Pilt, Kristjan; Meigas, Kalju; Temitski, Kristina; Viigimaa, Margus** IFMBE proceedings ; Vol. 38 2013 / p. 55-58 : ill [CD-ROM] [https://doi.org/10.1007/978-3-642-34197-7\\_14](https://doi.org/10.1007/978-3-642-34197-7_14) Conference Proceedings at Scopus Article at Scopus

**Analysis of instantaneous cardiac EBI signal variability over the heart cycle(s) : non-linear time-scale approach**  
**Krivošei, Andrei; Min, Mart; Annus, Paul; Köiv, 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](https://doi.org/10.1007/978-981-10-5122-7_235) Conference proceedings at Scopus Article at Scopus

**Any dynamical system is fully accessible through one single actuator and related problems**  
Kawano, Yu; **Kotta, Ülle**; Moog, Claude International journal of robust and nonlinear control 2016 / p. 1748-1754 <https://doi.org/10.1002/rnc.3379> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Assessment of associations between arterial mechanical properties and biochemical blood markers for early detection of atherosclerosis**  
Kööts, Kristina; **Pilt, Kristjan**; Sepa, Madis; Pikta, Marika; **Fridolin, Ivo; Meigas, Kalju; Viigimaa, Margus** 8th European Medical and Biological Engineering Conference : proceedings of the EMBEC 2020, November 29 – December 3, 2020 Portorož, Slovenia 2021 / p. 121-129 [https://doi.org/10.1007/978-3-030-64610-3\\_15](https://doi.org/10.1007/978-3-030-64610-3_15) Conference Proceedings at Scopus Article at Scopus

**Author Correction: Butler enables rapid cloud-based analysis of thousands of human genomes (Nature Biotechnology, (2020), 38, 3, (288-292), 10.1038/s41587-019-0360-3)**  
Yakneen, Sergei; Waszak, Sebastian M.; Aminou, Brice; Bartolome, Javier; Boroevich, Keith A.; Boyce, Rich; Brooks, Angela N.; Buchanan, Alex; Buchhalter, Ivo; Butler, Adam P.; Byrne, Niall J.; Cafferkey, Andy; **Uusküla-Reimand, Liis** Author Correction: Butler enables rapid cloud-based analysis of thousands of human genomes (Nature Biotechnology, (2020), 38, 3, (288-292), 10.1038/s41587-019-0360-3) 2023 / p. 577 <https://doi.org/10.1038/s41587-022-01554-1> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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](https://doi.org/10.1007/978-3-030-64610-3_18) Conference Proceedings at Scopus Article at Scopus

**Biomimetic design of implants for long bone critical-sized defects**  
Rezapourianhahfarokhi, Mansoureh; Kamboj, Nikhil Kumar; Jasiuk, Iwona; **Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2022 / art. 105370 <https://doi.org/10.1016/j.jmbbm.2022.105370> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Broadband discrete-level excitations for improved extraction of information in bioimpedance measurements**  
**Min, Mart; Paavle, Toivo** Physiological measurement 2014 / p. 997-1010 : ill <https://doi.org/10.1088/0967-3334/35/6/997> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article of WOS

**Changes in EEG measures of a recipient of the mRNA COVID-19 vaccine - a case study**  
**Uudeberg, Tuuli; Hinrikus, Hiie; Päeske, Laura**; Lass, Jaanus; Bachmann, Maie 2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2022 / p. 3702-3705 <https://doi.org/10.1109/EMBC48229.2022.9871524> Conference Proceedings at Scopus Article at Scopus

**Citizens' access to their digital health data in eleven countries - a comparative study**  
Nohr, Christian; Wong, Ming Chao; Turner, Paul; Almond, Helen; **Parv, Liisa** Exploring complexity in health : an interdisciplinary systems approach : proceedings of MIE2016 at HEC2016 2016 / p. 685-689 : tab <https://doi.org/10.3233/978-1-61499-678-1-685>

**Classification algorithm improvement for physical activity recognition in maritime environments**

Allik, Ardo; Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo; Leier, Mairo; Jervan, Gert World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 3) 2019 / p. 13-17 [https://doi.org/10.1007/978-981-10-9023-3\\_3](https://doi.org/10.1007/978-981-10-9023-3_3) [Conference proceeding Article at Scopus Article at WOS](#)

**A comparison of approaches to providing patients access to summary care records across old and new Europe : an exploration of facilitators and barriers to implementation**

De Lusignan, Simon; Ross, Peeter; Shifrin, Michael; Hercigonja-Szekeres, Mira; Seroussi, Brigitte Proceedings of the 14th World Congress on Medical Informatics ; MEDINFO 2013 2013 / p. 397 - 401 <https://doi.org/10.3233/978-1-61499-289-9-397> [Conference Proceedings at Scopus Article at Scopus Article at WOS](#)

**Construction of gender-specific regression models for aortic length estimation based on computed tomography images**

Zemtsovskaja, Galina; Pilt, Kristjan; Samarin, Andrei; Albina, Jelena; Meigas, Kalju; Viigimaa, Margus Health and technology 2020 / p. 679–687 : ill <https://doi.org/10.1007/s12553-019-00391-8> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

**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](https://doi.org/10.1007/978-981-10-5122-7_230) [Conference proceedings at Scopus Article at Scopus Article at WOS](#)

**Corrigendum to “Patient Access to Electronic Health Records: Differences Across Ten Countries” [Health Policy and Technology, 7 (2018), 44–56] (S2211883717300722) (10.1016/j.hpt.2017.11.003)**

Essén, Anna; Scandurra, Isabella; Gerrits, Reinie; Humphrey, Gayl; Johansen, Monika Alise; Kierkegaard, Patrick; Ross, Peeter Health Policy and Technology 2018 / p. 224 <https://doi.org/10.1016/j.hpt.2018.04.001> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

**Crest factor optimization of the multisine waveform for bioimpedance spectroscopy**

Ojarand, Jaan; Min, Mart; Annus, Paul Physiological measurement 2014 / p. 1019-1033 : ill <https://doi.org/10.1088/0967-3334/35/6/1019> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

**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 [https://doi.org/10.1007/978-3-319-03005-0\\_64](https://doi.org/10.1007/978-3-319-03005-0_64) [Conference proceedings at Scopus Article at Scopus](#)

**Dependence of the EEG nonlinear coupling on the frequency bands and the segment lengths**

Orgo, Laura; Bachmann, Maie; Kalev, Kaia; Järvelaid, Mari; Raik, Jaan; Hinrikus, Hiiie 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. 799-802 [https://doi.org/10.1007/978-981-10-5122-7\\_200](https://doi.org/10.1007/978-981-10-5122-7_200) [Conference proceedings at Scopus Article at Scopus Article at WOS](#)

**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](#)

**Detrended fluctuation analysis of EEG in depression**

Bachmann, Maie; Suhhova, Anna; Lass, Jaanus; Adamsoo, Kaire; Võhma, Ülle; Hinrikus, Hiiie-Agnes XIII Mediterranean Conference on Medical and Biological Engineering and Computing 2013, MEDICON 2013, 25-28 September 2013, Seville, Spain 2014 / p. 694-697 [https://doi.org/10.1007/978-3-319-00846-2\\_172](https://doi.org/10.1007/978-3-319-00846-2_172) [Conference proceedings at Scopus Article at Scopus](#)

**Development of a dedicated Golden Gate Assembly Platform (RtGGA) for Rhodotorula toruloides**

Bonturi, Nemailla; Pinheiro, Marina Julio; Oliveira, Paola Monteiro de; Rusadze, Eka; Eichinger, Tobias; Liudžiute, Gintare; De Biaggi, Juliano Sabedotti; Brauer, Age; Remm, Maito; Miranda, Everson Alves; Ledesma-Amaro, Rodrigo; Lahtvee, Petri-Jaan Metabolic engineering communications 2022 / art. e00200 <https://doi.org/10.1016/j.mec.2022.e00200> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

**Development of a portable MIP-based electrochemical sensor for detection of SARS-CoV-2 antigen**

Raziq, Abdul; Kidakova, Anna; Boroznjak, Roman; Reut, Jekaterina; Öpik, Andres; Söritski, Vitali Biosensors and bioelectronics 2021 / art. 113029 <https://doi.org/10.1016/j.bios.2021.113029> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

**Kankainen, Kristian Juha Ismo; Listenmaa, Inari; Pihö, Gunnar; Ross, Peeter** Caring is sharing – exploiting the value in data for health and innovation : proceedings of MIE 2023 2023 / p. 829 - 830 <https://doi.org/10.3233/SHT230280> Conference Proceedings at Scopus Article at Scopus Article at WOS

#### Droplet-based methods for tackling antimicrobial resistance

Ruszcak, Artur; **Bartkova, Simona**; Zapotoczna, Marta; **Scheler, Ott**; Garstecki, Piotr Current opinion in biotechnology 2022 / art. 102755 <https://doi.org/10.1016/j.copbio.2022.102755> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### A dynamic lighting system for workplaces deficient of daylight

Koppel, Tarmo; **Tint, Piia** Environmental health risk VII 2013 / p. 105-116 : ill <https://doi.org/10.2495/EHR130101> Conference Proceedings at Scopus Article at Scopus

#### Editorial: Innovations in depression diagnosis and treatment outcome monitoring

Čukić, Milena B.; Savić, Danka; **Bachmann, Maie** Frontiers in digital health 2023 / art. 1224999, 3 p <https://doi.org/10.3389/fdgh.2023.1224999> Journal metrics at Scopus Article at Scopus Article at WOS

#### Editorial: Trustworthy AI for healthcare

Agafonov, Oleg; Babic, Aleksandar; **Da Costa Sousa, Sonia Claudia**; Alagarathnam, Sharmini Frontiers in Digital Health 2024 / art. 1427233 <https://doi.org/10.3389/fdgh.2024.1427233> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### EEG functional connectivity detects seasonal changes

Päeske, Laura; **Bachmann, Maie**; Raik, Jaan; Hinrikus, Hiie World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 237-240 [https://doi.org/10.1007/978-981-10-9038-7\\_44](https://doi.org/10.1007/978-981-10-9038-7_44) Conference Proceedings at Scopus Article at Scopus Article at WOS

#### EEG spectral asymmetry index detects differences between leaders and non-leaders

Pöld, Toomas; **Bachmann, Maie**; Orgo, Laura; Kalev, Kaia; Lass, Jaanus; Hinrikus, Hiie 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. 17-20 [https://doi.org/10.1007/978-981-10-5122-7\\_5](https://doi.org/10.1007/978-981-10-5122-7_5) Conference proceedings at Scopus Article at Scopus Article at WOS

#### EEG spectral asymmetry index for detection of depression at individual and fixed frequency bands [Electronic resource]

Suhhova, Anna; **Bachmann, Maie**; Lass, Jaanus; Adamsoo, Kaire; Võhma, Ülle; Hinrikus, Hiie World Congress on Medical Physics and Biomedical Engineering May 26-31, 2012, Beijing, China 2012 / p. 589-592 : ill [CD-ROM] [https://link.springer.com/chapter/10.1007/978-3-642-29305-4\\_154](https://link.springer.com/chapter/10.1007/978-3-642-29305-4_154) Conference Proceedings at Scopus Article at Scopus

#### EEG spectral asymmetry is dependent on education level of men

Pöld, Toomas; **Bachmann, Maie**; Päeske, Laura; Kalev, Kaia; Lass, Jaanus; Hinrikus, Hiie World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 405–408 [https://doi.org/10.1007/978-981-10-9038-7\\_76](https://doi.org/10.1007/978-981-10-9038-7_76) Conference Proceedings at Scopus Article at Scopus Article at WOS

#### Effect of powder bed preheating on the crack formation and microstructure in ceramic matrix composites fabricated by laser powder-bed fusion process

Maurya, Himanshu Singh; Kosiba, Konrad; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss Additive manufacturing 2022 / art. 103013, 13 p. : ill <https://doi.org/10.1016/j.addma.2022.103013> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### Effect of transmural pressure on the estimation of arterial stiffness index from the photoplethysmographic waveform

Pilt, Kristjan; Reiu, Andy Medical and Biological Engineering and Computing 2024 / p. 1049-1059 <https://doi.org/10.1007/s11517-023-02992-y> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### E-Health in Europe : current situation and challenges ahead

Quaglio, Gianluca; Dario, Claudio; Stafylas, Panos; **Tiik, Madis**; McCormack, Sarah; Zilgalvis, Pēteris; d'Angelantonio, Marco; Karapiperis, Theodoros; Saccavini, Claudio Health Policy and Technology 2016 / p. 314 - 317 <https://doi.org/10.1016/j.hpt.2016.07.010> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### Electrochemical functionalization of gold and silicon surfaces by a maleimide group as a biosensor for immunological application

Zhang, Xin; **Tretjakov, Aleksei**; Hovestadt, Marc; Sun, Guoguang; **Sõritski, Vitali**; **Reut, Jekaterina**; Volkmer, Rudolf; Hinrichs, Karsten; Rappich, Jörg Acta biomaterialia 2013 / p. 5838-5844 : ill <https://doi.org/10.1016/j.actbio.2012.10.022> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### Electrode optimization for bioimpedance based central aortic blood pressure estimation

Metshein, Margus; Köiv, Hip; Annus, Paul; Min, Mart World Congress on Medical Physics and Biomedical Engineering 2018 :

### **Electroencephalography as an objective indicator of stress**

**Gavrilyuk, Marietta; Uudeberg, Tuuli; Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo; Bachmann, Maie** 19th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics : Proceedings of NBC 2023, June 12–14, 2023, Liepaja, Latvia 2023 / p. 221–226  
[https://doi.org/10.1007/978-3-031-37132-5\\_28](https://doi.org/10.1007/978-3-031-37132-5_28) Conference proceedings at Scopus Article at Scopus

### **Establishing best practices in photoplethysmography signal acquisition and processing**

Charlton, Peter H.; **Pilt, Kristjan**; Kyriacou, Panayiotis A. Physiological measurement 2022 / art. 050301, 6 p  
<https://doi.org/10.1088/1361-6579/ac6cc4> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Evaluating the changes in the functional status of the musculoskeletal system before and after an intervention among sewing machine operators with partial work ability**

Traumann, Ada; **Tint, Piia**; Merisalu, Eda; Hiir, Kadi Journal of biomimetics biomaterials and biomedical engineering 2020 / p. 127-135 <https://doi.org/10.4028/www.scientific.net/JBBE.47.127> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Evaluation of level-crossing ADCs for event-driven ECG classification**

Saeed, Maryam; Wang, Qingyuan; **Märtens, Olev** IEEE Transactions on Biomedical Circuits and Systems 2021 / p. 1129-1139  
<https://doi.org/10.1109/TBCAS.2021.3136206> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Event-triggered resilient distributed extended Kalman filter with consensus on estimation**

Rezaei, Hossein; **Ghorbani, Majid** International Journal of Robust and Nonlinear Control 2022 / p. 1303 - 1315  
<https://doi.org/10.1002/rnc.5881> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **A fish perspective : detecting flow features while moving using an artificial lateral line in steady and unsteady flow**

Chambers, Lily D.; **Ježov, Jaas; Kruusmaa, Maarja** Journal of the Royal Society Interface 2014 / p. 1-13 : ill  
<https://doi.org/10.1098/rsif.2014.0467> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **A flapped paddle-fin for improving underwater propulsive efficiency of oscillatory actuation**

Simha, Ashutosh; Gkliwa, Roza; Kotta, Ülle; Kruusmaa, Maarja IEEE robotics and automation letters 2020 / p. 3176-3181  
<https://doi.org/10.1109/LRA.2020.2975747> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **From bench to bedside**

Arezzo, Alberto; **Kruusmaa, Maarja; Mylonas, George** IEEE Transactions on Medical Robotics and Bionics 2022 / p. 297 - 299  
<https://doi.org/10.1109/TMRB.2022.3172013> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Graphene-augmented nanofiber scaffolds trigger gene expression switching of four cancer cell types**

Kazantseva, Jekaterina; **Ivanov, Roman**; Gasik, Michael; Neuman, Toomas; **Hussainova, Irina** ACS biomaterials science & engineering 2018 / p. 1622-1629 : ill <https://doi.org/10.1021/acsbiomaterials.8b00228> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Hemodialysis optical monitoring toward greener technology : a potential for water saving dialysis treatment**

Leis, Liisi; **Adoberg, Annika; Paats, Joosep; Holmar, Jana; Arund, Jürgen; Karai, Deniss; Luman, Merike; Pilt, Kristjan; Taklaja, Paul; Tanner, Risto; Fridolin, Ivo** 19th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics : Proceedings of NBC 2023, June 12–14, 2023, Liepaja, Latvia 2023 / p. 162 - 171 [https://doi.org/10.1007/978-3-031-37132-5\\_21](https://doi.org/10.1007/978-3-031-37132-5_21) Conference Proceedings at Scopus Article at Scopus

### **High pressure torsion induced lowering of Young's modulus in high strength TNZT alloy for bio-implant applications**

Maity, Tapabrata; Balci, Özge; Gammer, C.; Ivanov, E.; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Journal of the mechanical behavior of biomedical materials 2020 / art. 103839, 10 p. : ill <https://doi.org/10.1016/j.jmbbm.2020.103839> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Hybrid graphene-ceramic nanofibre network for spontaneous neural differentiation of stem cells**

Kazantseva, Jekaterina; **Hussainova, Irina; Ivanov, Roman**; Neumann, Toomas; Gasik, Michael Interface focus 2018 / 6 p. : ill  
<https://doi.org/10.1098/rsfs.2017.0037> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Hybrid molecularly imprinted polymer for amoxicillin detection**

Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Furchner, Andreas; Sõrtski, Vitali Biosensors and bioelectronics 2018 / p. 102-107 : ill <https://doi.org/10.1016/j.bios.2018.07.042> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Influence of acute mental stress on the forehead photoplethysmographic signal waveform**

Pilt, Kristjan; Karai, Deniss; Bachmann, Maie; **Gavrilyuk, Marietta; Fridolin, Ivo** 19th Nordic-Baltic conference on biomedical engineering and medical physics : proceedings of NBC 2023, June 12-14, 2023, Liepaja, Latvia 2023 / p. 181 - 188

**In-phase matrix profile : a novel method for the detection of major depressive disorder**

**Uudeberg, Tuuli; Belikov, Juri; Päeske, Laura; Hinrikus, Hiie; Liiv, Innar; Bachmann, Maie** Biomedical Signal Processing and Control 2024 / art. 105378 [https://doi.org/10.1016/j.bspc.2023.105378 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.1016/j.bspc.2023.105378)

**An insight on mud behavior upon stepping**

**Godon, Simon; Ristolainen, Asko; Kruusmaa, Maarja** IEEE robotics and automation letters 2022 / p. 11039-11046  
[https://doi.org/10.1109/LRA.2022.3194667 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.1109/LRA.2022.3194667)

**Investigation of mechanical and physicochemical properties of clinically retrieved titanium-niobium orthodontic archwires**

**Stoyanova-Ivanova, Angelina; Cherneva, Sabina; Petrunov, Vladimir; Petrova, Violeta; Ilievska, Ivana; Mikli, Valdek; Iankov, Roumen** Acta of bioengineering and biomechanics 2020 / p. 31-39 [https://doi.org/10.37190/ABB-01486-2019-03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.37190/ABB-01486-2019-03)

**Investigation of photoplethysmographic signal augmentation index estimation differences between fingers**

**Pilt, Kristjan; Silluta, Sandra; Kööts, Kristina; Karai, Deniss; 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. 819-822 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_205 Conference proceedings at Scopus Article at Scopus Article at WOS](https://doi.org/10.1007/978-981-10-5122-7_205)

**In-vitro investigation of flow profiles in arteries using the photoplethysmograph**

**Pilt, Kristjan; May, James M.; Kyriacou, Panayiotis A.** Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2021 / p. 7211-7214 [https://doi.org/10.1109/EMBC46164.2021.9629713 Conference Proceedings at Scopus Article at Scopus Article at WOS](https://doi.org/10.1109/EMBC46164.2021.9629713)

**Joint biomedical engineering and medical physics master's curriculum project in Estonia**

**Meigas, Kalju; Kepler, Kalle; Holmar, Jana** World Congress on Medical Physics and Biomedical Engineering May 26-31, 2012, Beijing, China 2013 / p. 1691 - 1693 [https://doi.org/10.1007/978-3-642-29305-4\\_444 Conference Proceedings at Scopus Article at Scopus Article at WOS](https://doi.org/10.1007/978-3-642-29305-4_444)

**Keeping social distance in a classroom while interacting via a telepresence robot : a pilot study**

**Marmor, Kristel; Leoste, Janika; Heidmets, Mati; Rebane, Martin; Pöial, Jaanus; Kasuk, Tiina; Kangur, Katrin** Frontiers in Neurorobotics 2024 / art. 1339000 [https://doi.org/10.3389/fnbot.2024.1339000 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.3389/fnbot.2024.1339000)

**Lean body mass assessment based on UV absorbance in spent dialysate and dual-energy x-ray absorptiometry**

**Tomson, Ruth; Fridolin, Ivo; Luman, Merike** International journal of artificial organs 2015 / p. 311-315 : ill  
[https://doi.org/10.5301/ijao.5000415 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.5301/ijao.5000415)

**Lean-proteome strains - next step in metabolic engineering**

**Valgepea, Kaspar; Peebo, Karl; Adamberg, Kaarel; Vilu, Raivo** Frontiers in bioengineering and biotechnology 2015 / p. 1-4  
[https://doi.org/10.3389/fbioe.2015.00011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.3389/fbioe.2015.00011)

**Long-term stability of EEG spectral asymmetry index - preliminary study**

**Uudeberg, Tuuli; Päeske, Laura; Pöld, Toomas; Lass, Jaanus; Hinrikus, Hiie; Bachmann, Maie** XV Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 276-281 [https://doi.org/10.1007/978-3-030-31635-8\\_33 Conference proceeding at Scopus Article at Scopus Article at WOS](https://doi.org/10.1007/978-3-030-31635-8_33)

**Mechanism of low-level microwave radiation effect on brain : frequency limits**

**Hinrikus, Hiie; Bachmann, Maie; Lass, Jaanus** 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. 647-650 [https://doi.org/10.1007/978-981-10-5122-7\\_162 Conference proceedings at Scopus Article at Scopus Article at WOS](https://doi.org/10.1007/978-981-10-5122-7_162)

**Mechanisms of toxic action of Ag, ZnO and CuO nanoparticles to selected ecotoxicological test organisms and mammalian cells in vitro: A comparative review**

**Ivask, Angela; Juganson, Katre; Bondarenko, Olesja; Mortimer, Monika; Aruoja, Villem; Kasemets, Kaja; Blinova, Irina; Heinlaan, Margit; Slaveykova, Vera; Kahru, Anne** Nanotoxicology 2014 / p. 57-71 : ill [https://doi.org/10.3109/17435390.2013.855831 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.3109/17435390.2013.855831)

**Metabolism control in 3D-printed living materials improves fermentation**

**Butelmann, Tobias; Priks, Hans; Parent, Zoel; Johnston, Trevor G.; Tamm, Tarmo; Nelson, Alshakim; Lahtvee, Petri-Jaan; Kumar,**

**Rahul, 1978-** ACS Applied Bio Materials 2021 / p. 7195-7203 <https://doi.org/10.1021/acsabm.1c00754> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Microfluidic screening of antibiotic susceptibility at a single-cell level shows the inoculum effect of cefotaxime on: E. coli**  
Postek, Witold; Gargulinski, Paweł; Scheler, Ott; Kaminski, Tomasz S.; Garstecki, Piotr Lab on a Chip 2018 / p. 3668 - 3677  
<https://doi.org/10.1039/c8lc00916c> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Migration from HL7 CDA to FHIR in infectious disease system of Estonia**

**Bossenko, Igor; Linna, Kerli; Piho, Gunnar; Ross, Peeter** Studies in Health Technology and Informatics ; 299 2022 / p. 275-278  
<https://doi.org/10.3233/SHTI220998> Journal metrics at Scopus Article at Scopus Article at WOS

**Minor and parental access to electronic health records : differences across four countries**

Hagström, Josefin; Scandurra, Isabella; Moll, Jonas; Bleas, Charlotte; Haage, Barbara; Hörhammer, Iiris; Hägglund, Maria  
Challenges of Trustable AI and Added-Value on Health 2022 / p. 495 - 499 <https://doi.org/10.3233/SHTI220508> Conference Proceedings at Scopus Article at Scopus

**Musculoskeletal disorders caused by the static posture of office and garment workers**

**Pille, Viive; Reinhold, Karin; Tint, Piia; Hartšenko, Jelena** International journal of biology and biomedical engineering 2016 / p. 191-201 : ill <https://www.nauv.org/main/NAUN/bio/2016/a442010-067.pdf> Journal metrics at Scopus Article at Scopus

**Nanoindentation and surface characterization of clinically retrieved multi-force niti orthodontic archwires**

Cherneva, Sabina; Stoyanova-Ivanova, Angelina K.; Georgieva, Mirela; Andreeva, Laura A.; Petkov, Alexander; Petrov, Valeri G.; Petrova, Violeta P.; Mikli, Valdek Russian Journal of Biomechanics 2020 / p. 240-256 <https://doi.org/10.15593/RJBiomech/2020.3.02>  
<https://ered.pstu.ru/index.php/rjb/article/view/2303> Journal metrics at Scopus Article at Scopus

**New optical method for estimation of protein bound uremic toxins elimination**

**Holmar, Jana; Arund, Jürgen; Uhlin, Fredrik; Tanner, Risto; Fridolin, Ivo** World Congress on Medical Physics and Biomedical Engineering May 26-31, 2012, Beijing, China 2013 / p. 71-74 [https://doi.org/10.1007/978-3-642-29305-4\\_20](https://doi.org/10.1007/978-3-642-29305-4_20) Conference Proceedings at Scopus Article at Scopus

**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

**Online urea concentration estimation from spent dialysate using optical sensor**

**Pilt, Kristjan; Arund, Jürgen; Adoberg, Annika; Leis, Liisi; Luman, Merike; Fridolin, Ivo** XV Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 1459-1464 [https://doi.org/10.1007/978-3-030-31635-8\\_180](https://doi.org/10.1007/978-3-030-31635-8_180) Conference proceedings at Scopus Article at Scopus Article at WOS

**Online uric acid concentration estimation in blood from spent dialysate measurements using an optical sensor**

**Paats, Joosep; Arund, Jürgen; Pilt, Kristjan; Adoberg, Annika; Leis, Liisi; Luman, Merike; Holmar, Jana; Tanner, Risto; Fridolin, Ivo** 9th European Medical and Biological Engineering Conference : Proceedings of EMBEC 2024 ; Volume 2 2024 / p. 178 - 187 [https://doi.org/10.1007/978-3-031-61628-0\\_20](https://doi.org/10.1007/978-3-031-61628-0_20) Conference Proceedings at Scopus Article at Scopus Article at WOS

**Optimal mechanical properties of Hydroxyapatite gradient Voronoi porous scaffolds for bone applications — a numerical study**

**Rezapourianhahfarokhi, Mansoureh; Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2023 / art. 106232 <https://doi.org/10.1016/j.jmbbm.2023.106232> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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

**Patient access to electronic health records : differences across ten countries**

Essen, Anna; Scandurra, Isabella; Gerrits, Reinie; Humphrey, Gayl; Johansen, Monika Alise; Kierkegaard, Patrick; Koskinen, Jani; **Ross, Peeter** Health policy and technology 2018 / p. 44–56 <https://doi.org/10.1016/j.hpt.2017.11.003> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Patient input into the electronic health record: co-designing solutions with patients and healthcare professionals**

**Dudkina, Anna; Kujala, Sari; Hägglund, Maria; Kharko, Anna; Wang, Bo; Soone, Hedvig; Ross, Peeter** Digital Health and Informatics Innovations for Sustainable Health Care Systems : Proceedings of MIE 2024 2024 / p. 1477-1481  
<https://doi.org/10.3233/SHTI240693> Conference proceedings at Scopus Article at Scopus

**Permanent magnet synchronous machine control performance and analysis for environment-friendly electric vehicle**

## **applications**

**Sardar, Muhammad Usman**; Yaqoob, Muhammad; Akbar, Siddique; Shah, Syed Imran Ahmad; Shahid, Muhammad Usama; Mutloob, Tayyaba Engineering Proceedings 2023 / art. 7, p. 1–6 <https://doi.org/10.3390/engproc2023046007> Journal metrics at Scopus Article at Scopus

## **Personal control of privacy and data : Estonian experience**

**Priisalu, Jaan; Ottis, Rain** Health and technology 2017 / p. 441-451 <https://doi.org/10.1007/s12553-017-0195-1> Journal metrics at Scopus Article at Scopus

## **Photoplethysmographic signal waveform index for detection of increased arterial stiffness**

**Pilt, Kristjan; Ferenets, Rain; Meigas, Kalju; Temitski, Kristina; Viigimaa, Margus** Physiological measurement 2014 / p. 2027-2036 : ill <https://doi.org/10.1088/0967-3334/35/10/2027> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Pilot study for estimating physical fatigue based on heart rate variability and reaction time**

**Allik, Ardo; Pilt, Kristjan; Viigimäe, Moonika; Fridolin, Ivo** XV Mediterranean Conference on Medical and Biological Engineering and Computing -MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 193-200 [https://doi.org/10.1007/978-3-030-31635-8\\_23](https://doi.org/10.1007/978-3-030-31635-8_23) Conference proceeding at Scopus Article at Scopus Article at WOS

## **Portable qEEG and HD-tCS device for point-of-injury traumatic brain injury diagnostics**

**Strisland, Frode; Vedula, Jon; Liverud, Anders; Dalgard, Steffen; Brødreskift, Tomas; Albert, Bruno; Noyvirt, Alexandre; Vene, Karl; Herranen, Henrik; Kirs, Maarjus** Phealth 2017 : proceedings of the 14th International Conference on Wearable Micro and nano Nano Technologies for Personalized Health : 14-16 May 2017, Eindhoven, The Netherlands 2017 / p. 198-203 <https://doi.org/10.3233/978-1-61499-761-0-198> Conference proceedings at Scopus Article at Scopus Article at WOS

## **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](https://doi.org/10.1007/978-981-10-5122-7_73) Conference proceedings at Scopus Article at Scopus Article at WOS

## **Realizations in feedforward forms of nonlinear input-output equations with time-delays**

**Kaldmäe, Arvo; Kawano, Yu; Kotta, Ülle** International journal of robust and nonlinear control 2020 / p. 7560-7573 <https://doi.org/10.1002/rnc.5194> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Real-time multi-modal active vision for object detection on UAVs equipped with limited field of view LiDAR and camera**

**Shi, Chuanbeibei; Lai, Ganghua; Yu, Yushu; Bellone, Mauro; Lippiello, Vincezo** IEEE Robotics and Automation Letters 2023 / p. 6571 - 6578 <https://doi.org/10.1109/LRA.2023.3309575> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Reliability of electroencephalogram-based individual markers - case study**

**Uudeberg, Tuuli; Päeske, Laura; Hinrikus, Hiie; Lass, Jaanus; Bachmann, Maie** 2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2020 / p. 276 - 279 <https://doi.org/10.1109/EMBC44109.2020.9175274> Conference Proceedings at Scopus Article at Scopus Article at WOS

## **Removal estimation of uremic CVD marker phosphate in dialysis using spectrophoto- and fluorimetical signals**

**Holmar, Jana; Arund, Jürgen; Kalle, Sigrid; Lauri, Kai; Luman, Merike; Tanner, Risto; Tomson, Ruth; Fridolin, Ivo** 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. 358-361 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_90](https://doi.org/10.1007/978-981-10-5122-7_90) Conference proceedings at Scopus Article at Scopus Article at WOS

## **Removal of Urea, beta 2-Microglobulin, and Indoxyl Sulfate Assessed by Absorbance and Fluorescence in the Spent Dialysate During Hemodialysis**

**Lauri, Kai; Arund, Jürgen; Holmar, Jana; Tanner, Risto; Kalle, Sigrid; Luman, Merike; Fridolin, Ivo** Asaio journal 2020 / p. 695-705 <https://doi.org/10.1097/MAT.0000000000001058> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **Removal of vascular calcification inducer phosphate in different dialysis treatment modalities**

**Holmar, Jana; Fridolin, Ivo; Luman, Merike** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 3) 2019 / p. 143-147 [https://doi.org/10.1007/978-981-10-9023-3\\_26](https://doi.org/10.1007/978-981-10-9023-3_26) Conference proceeding at Scopus Article at Scopus Article at WOS

## **Revealing small hidden changes in human EEG by Higuchi's fractal dimension [Electronic resource]**

**Bachmann, Maie; Suhhova, Anna; Lass, Jaanus; Hinrikus, Hiie** IFMBE proceedings ; Vol. 38 2013 / p. 47-50 : ill [CD-ROM] [https://doi.org/10.1007/978-3-642-34197-7\\_12](https://doi.org/10.1007/978-3-642-34197-7_12) Conference Proceedings at Scopus Article at Scopus

## A review on development of bio-inspired implants using 3D printing

Raheem, Ansheed A.; Hameed, Pearlin; **Prashanth, Konda Gokuldoss**; Manivasagam, Geetha Biomimetics 2021 / art. 65  
<https://doi.org/10.3390/biomimetics6040065> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Robust fractional order singular Kalman filter

Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard International journal of robust and nonlinear control 2024 / p. 602-627 : ill <https://doi.org/10.1002/rnc.6990> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Second derivative analysis of forehead photoplethysmographic signal in healthy volunteers and diabetes patients [Electronic resource]

Pilt, Kristjan; Meigas, Kalju; Temitski, Kristina; Viigimaa, Margus World Congress on Medical Physics and Biomedical Engineering May 26-31, 2012, Beijing, China 2012 / p. 410-413 : ill [CD-ROM] [https://link.springer.com/chapter/10.1007/978-3-642-29305-4\\_109](https://link.springer.com/chapter/10.1007/978-3-642-29305-4_109) Conference Proceedings at Scopus Article at scopus

## Selective laser melting and spark plasma sintering: a perspective on functional biomaterials

Rahmani Ahranjani, Ramin; Lopes, Sergio Ivan; **Prashanth, Konda Gokuldoss** Journal of functional biomaterials 2023 / art. 521, 33 p. : ill <https://doi.org/10.3390/jfb14100521> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Shielding static magnetic fields from Magnetic Resonance Imaging units by ferromagnetic material

Koppel, Tarmo; Ross, Peeter; Vilcane, Inese 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. 743-746 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_186](https://doi.org/10.1007/978-981-10-5122-7_186) Conference proceedings at Scopus Article at Scopus Article at WOS

## Single channel EEG analysis for detection of depression

Bachmann, Maie; Lass, Jaanus; Hinrikus, Hiie Biomedical signal processing and control 2017 / p. 391-397 : ill <https://doi.org/10.1016/j.bspc.2016.09.010> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Soft fluidic actuator for locomotion in multi-phase environments

Gkliva, Roza; Kruusmaa, Maarja IEEE robotics and automation letters 2022 / p. 10462-10469  
<https://doi.org/10.1109/LRA.2022.3192204> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## State of the art of additively manufactured electromagnetic materials for topology optimized electrical machines

Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton Additive manufacturing 2022 / art. 102778, 19 p. : ill <https://doi.org/10.1016/j.addma.2022.102778> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## 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

## Synthetic biology in Indonesia: Potential and projection in a country with mega biodiversity

Sanka, Immanuel; Kusuma, Ali Budhi; Martha, Faustina; Hendrawan, Andre; Pramanda, Ihsan Tria; Wicaksono, Adhityo; Jati, Afif Pranaya; Mazaya, Maulida; Dwijayanti, Ari; Izzati, Nurul Biotechnology Notes 2023 / p. 41-48 : ill <https://doi.org/10.1016/j.biotno.2023.02.002> Journal metrics at Scopus Article at Scopus

## Systematic AI support for decision-making in the healthcare sector : obstacles and success factors

Bertl, Markus; Ross, Peeter; Draheim, Dirk Health policy and technology 2023 / art. 100748, 8 p. : ill <https://doi.org/10.1016/j.hapt.2023.100748> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Toxicity of antimony, copper, cobalt, manganese, titanium and zinc oxide nanoparticles for the alveolar and intestinal epithelial barrier cells in vitro

Titma, Tiina; Shimmo, Ruth; Siigur, Jüri; Kahru, Anne Cytotechnology 2016 / p. 2363-2377 : ill <https://doi.org/10.1007/s10616-016-0032-9> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Tremor-related feature engineering for machine learning based Parkinson's disease diagnostics

Valla, Elli; Nömm, Sven; Medijainen, Kadri; Taba, Pille; Toomela, Aaro Biomedical signal processing and control 2022 / art. 103551  
<https://doi.org/10.1016/j.bspc.2022.103551> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## 2D estimation of velocity relative to water and tidal currents based on differential pressure for autonomous underwater vehicles

Meurer, Christian; Fuentes-Perez, Juan Francisco; Schwarwalder, Kordula; Ludvigsen, Martin; Sorensen, Asgeir Johan; Kruusmaa, Maarja IEEE robotics and automation letters 2020 / p. 3444-3451 <https://doi.org/10.1109/LRA.2020.2976318> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Urea rebound assessment based on UV absorbance in spent dialysate**

**Tomson, Ruth; Uhlin, Fredrik; Fridolin, Ivo** Asaio journal 2014 / p. 459-465 : ill <https://doi.org/10.1097/MAT.0000000000000091>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Use of changestat for growth rate studies of gut microbiota**

**Adamberg, Kaarel; Raba, Grete; Adamberg, Signe** Frontiers in bioengineering and biotechnology 2020 / art. 24, 12 p. : ill

<https://doi.org/10.3389/fbioe.2020.00024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Variation of cardiac and respiratory waveform on human thorax in the case of inductive coupling**

**Metshein, Margus; Annus, Paul; Land, Raul; Krivošei, Andrei; Ojarand, Jaan; Aabloo, Alvo; 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. 671-674 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_168](https://doi.org/10.1007/978-981-10-5122-7_168) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**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 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 <https://doi.org/10.3233/978-1-61499-268-4-101> [Conference Proceedings at Scopus](#) [Article at Scopus](#)