

A Proxy-Based Solution for Asynchronous Telemedical Systems. / Rauti, Sampsa; Lahtiranta, Janne; Parisod, Heidi; Hyrynsalmi, Sami; Salanterä, Sanna; Aromaa, Minna Elisabeth; Smed, Jouni; Leppänen, Ville.
julkaisussa: International Journal of E-health and Medical Communication, Vuosikerta 8, Nro 3, 5, 01.07.2017, s. 70-83.
Tutkimustuotos >> vertaisarvioitu

A software tool for studying the size and shape of human cardiomyocytes. / Rasku, Jyrki; Ojala, Marisa; Pölönen, Risto Pekka; Joutsijoki, Henry; Gizatdinova, Yulia; Laurikkala, Jorma; Kartasalo, Kimmo; Aalto-Setälä, Katriina; Juhola, Martti.
julkaisussa: Biomedical Signal Processing and Control, Vuosikerta 30, 01.09.2016, s. 134-139.
Tutkimustuotos >> vertaisarvioitu

Bayes Forest : A data-intensive generator of morphological tree clones. / Potapov, Ilya; Järvenpää, Marko; Åkerblom, Markku; Raunonen, Pasi; Kaasalainen, Mikko.
julkaisussa: GigaScience, Vuosikerta 6, Nro 10, gix079, 2017.
Tutkimustuotos >> vertaisarvioitu

Biomechanical performance of cranial implants with different thicknesses and material properties : A finite element study. / Marcián, Petr; Narra, Nathaniel; Borák, Libor; Chamrad, Jakub; Wolff, Jan.
julkaisussa: Computers in Biology and Medicine, Vuosikerta 109, 01.06.2019, s. 43-52.
Tutkimustuotos >> vertaisarvioitu

Bioprofiling over Grid for eHealthcare. / Sun, L.; Hu, P.; Goh, C.; Hamadicharef, B.; Ifeachor, E.; Barbounakis, I.; Zervakis, M.; Nurminen, N.; Varri, A.; Fontanelli, R.; Di Bona, S.; Guerri, D.; La Manna, S.; Cerbioni, K.; Palanca, E.; Starita, A.
julkaisussa: STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, Vuosikerta 120, 01.01.2006, s. 205-216.
Tutkimustuotos >> vertaisarvioitu

Chapter 3.9-a computer-assisted visual sleep scoring program. / Värrä, Alpo; Koivuluoma, Mikko; Morvan, Catherine.
julkaisussa: STUDIES IN HEALTH TECHNOLOGY AND INFORMATICS, Vuosikerta 78, 01.01.2000, s. 285-297.
Tutkimustuotos >> vertaisarvioitu

[COMMODE] a large-scale database of molecular descriptors using compounds from PubChem. / Dander, Andreas; Mueller, Laurin A J; Gallasch, Ralf; Pabinger, Stephan; Emmert-Streib, Frank; Graber, Armin; Dehmer, Matthias.
julkaisussa: Source Code for Biology and Medicine, Vuosikerta 8, 22, 13.11.2013.
Tutkimustuotos >> vertaisarvioitu

Comparison of non-invasive blood pressure monitoring using modified arterial applanation tonometry with intra-arterial measurement. / Harju, Jarkko; Vehkaoja, Antti; Kumpulainen, Pekka; Campadello, Stefano; Lindroos, Ville; Yli-Hankala, Arvi; Oksala, Niku.
julkaisussa: Journal of Clinical Monitoring and Computing, Vuosikerta 32, Nro 1, 2018, s. 13-22.
Tutkimustuotos >> vertaisarvioitu

Detection of spine structures with Bioimpedance Probe (BIP) Needle in clinical lumbar punctures. / Halonen, Sanna; Annala, Kari; Kari, Juho; Jokinen, Samuli; Lumme, Aki; Kronström, Kai; Yli-Hankala, Arvi.
julkaisussa: Journal of Clinical Monitoring and Computing, Vuosikerta 31, Nro 5, 10.2017, s. 1065-1072.
Tutkimustuotos >> vertaisarvioitu

Elastic image registration for guiding focal laser ablation of prostate cancer : Preliminary results. / Makni, Nasr; Puech, Philippe; Colin, Pierre; Azzouzi, Abdelrahmene; Mordon, Serge; Betrouni, Nacim.
julkaisussa: Computer Methods and Programs in Biomedicine, Vuosikerta 108, Nro 1, 10.2012, s. 213-223.
Tutkimustuotos >> vertaisarvioitu

Exploring associations between the self-reported values, well-being, and health behaviors of Finnish citizens : Cross-sectional analysis of more than 100,000 web-survey responses. / Honka, Anita Marianne; Helander, Elina; Pavel, Misha; Jimison, Holly; Mustonen, Pekka; Korhonen, Ilkka; Hermes, Miikka.
julkaisussa: Journal of Medical Internet Research, Vuosikerta 21, Nro 4, e12170, 01.04.2019.
Tutkimustuotos >> vertaisarvioitu

Functional electrical stimulation for facial pacing : Effects of waveforms on movement intensity and ratings of discomfort. / Ilves, Mirja; Rantanen, Ville; Venesvirta, Hanna; Lylykangas, Jani; Vehkaoja, Antti; Mäkelä, Eeva; Verho, Jarmo; Leikkala, Jukka; Rautiainen, Markus; Surakka, Veikko.

julkaisussa: Biomedical Signal Processing and Control, Vuosikerta 60, 101992, 2020.

Tutkimustuotos >> vertaisarvioitu

Fusion enhancement for tracking of respiratory rate through intrinsic mode functions in photoplethysmography. / Pirhonen, Mikko; Vehkaoja, Antti.

julkaisussa: Biomedical Signal Processing and Control, Vuosikerta 59, 101887, 2020.

Tutkimustuotos >> vertaisarvioitu

Identification of motor symptoms related to Parkinson disease using motion-tracking sensors at home (KÄVELI) : Protocol for an observational case-control study. / Jauhiainen, Milla; Puustinen, Juha; Mehrang, Saeed; Ruokolainen, Jari; Holm, Anu; Vehkaoja, Antti; Nieminen, Hannu.

julkaisussa: Journal of Medical Internet Research, Vuosikerta 21, Nro 3, e12808, 01.03.2019.

Tutkimustuotos >> vertaisarvioitu

Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plug-in for ImageJ. / Liuhanen, Sasu; Sallisalminen, Marko; Pettilä, Ville; Oksala, Niku; Tenhunen, Jyrki.

julkaisussa: Computer Methods and Programs in Biomedicine, Vuosikerta 110, Nro 1, 04.2013, s. 38-47.

Tutkimustuotos >> vertaisarvioitu

Mobile mental wellness training for stress management : Feasibility and design implications based on a one-month field study. / Ahtinen, Aino; Mattila, Elina; Väikkynen, Pasi; Kaipainen, Kirsikka; Vanhala, Toni; Ermes, Miikka; Sairanen, Essi; Myllymäki, Tero; Lappalainen, Raimo.

julkaisussa: Journal of Medical Internet Research, Vuosikerta 15, Nro 7, e11, 07.2013.

Tutkimustuotos >> vertaisarvioitu

Robocasting of Bioactive SiO₂-P₂O₅-CaO-MgO-Na₂O-K₂O Glass Scaffolds. / Bairo, Francesco; Barberi, Jacopo; Fiume, Elisa; Orlygsson, Gissur; Massera, Jonathan; Verné, Enrica.

julkaisussa: Journal of Healthcare Engineering, Vuosikerta 2019, 5153136, 2019.

Tutkimustuotos >> vertaisarvioitu

Separation of HCM and LQT Cardiac Diseases with Machine Learning of Ca²⁺ Transient Profiles. / Joutsijoki, Henry; Penttinen, Kirsi; Juhola, Martti; Aalto-Setälä, Katriina.

julkaisussa: Methods of Information in Medicine, Vuosikerta 58, Nro 4-5, 01.11.2019, s. 167-178.

Tutkimustuotos >> vertaisarvioitu

The Digi-NewB project for preterm infant sepsis risk and maturity analysis. / Värrä, Alpo; Kallonen, Antti; Helander, Elina; Ledesma Figueroa, Andres; Pladys, Patrick.

julkaisussa: Finnish Journal of eHealth and eWelfare, Vuosikerta 10, Nro 2-3, 2018, s. 330-333.

Tutkimustuotos >> vertaisarvioitu

The effect of percutaneous transluminal angioplasty of superficial femoral artery on pulse wave features. / Peltokangas, Mikko; Suominen, Velipekka; Vakhitov, Damir; Verho, Jarmo; Korhonen, Janne; Leikkala, Jukka; Vehkaoja, Antti; Oksala, Niku.

julkaisussa: Computers in Biology and Medicine, Vuosikerta 96, 01.05.2018, s. 274-282.

Tutkimustuotos >> vertaisarvioitu

Three-dimensional skeletonization and symbolic description in vascular imaging : Preliminary results. / Verscheure, L.; Peyrodie, L.; Dewalle, A. S.; Reyns, N.; Betrouni, N.; Mordon, S.; Vermandel, M.

julkaisussa: INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY, Vuosikerta 8, Nro 2, 03.2013, s. 233-246.

Tutkimustuotos >> vertaisarvioitu

TinderMIX : Time-dose integrated modelling of toxicogenomics data. / Serra, Angela; Fratello, Michele; Del Giudice, Giusy; Saarimäki, Laura Aliisa; Paci, Michelangelo; Federico, Antonio; Greco, Dario.

julkaisussa: GigaScience, Vuosikerta 9, Nro 5, 01.05.2020.

Tutkimustuotos > > vertaisarvioitu

User acceptance of electronic health records : A post-implementation study. / Sintonen, Sanna; Mäkelä, Kari; Miettinen, Raimo.

julkaisussa: International Journal of Healthcare Technology and Management, Vuosikerta 15, Nro 2, 2015, s. 162-175.

Tutkimustuotos > > vertaisarvioitu

Which wavelength is the best for arterial pulse waveform extraction using laser speckle imaging? / Vaz, Pedro; Pereira, Tânia; Figueiras, Edite; Correia, Carlos; Humeau-Heurtier, Anne; Cardoso, João.

julkaisussa: Biomedical Signal Processing and Control, Vuosikerta 25, 03.2016, s. 188-195.

Tutkimustuotos > > vertaisarvioitu

Computer aided diagnosis of acoustic neuroma : A neural network perspective. / Anwar, Shahzad; Izhar-Ul-Haq, Izhar; Qadir, Muhammad Usman; Ali, Ihtisham; Razzaq, Shadman; Ahmad, Bilal; Shah, Kamran; Shah, Shaukat Ali; Khan, Muhammad Tahir.

julkaisussa: JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS, Vuosikerta 7, Nro 2, 01.04.2017, s. 371-377.

Tutkimustuotos: Katsausartikkeli > > vertaisarvioitu

An image guided treatment platform for prostate cancer photodynamic therapy. / Betrouni, N.; Colin, P.; Puech, P.; Villers, A.; Mordon, S.

2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2013. 2013. s. 370-373 6609514.

Tutkimustuotos > > vertaisarvioitu

A novel technique for analysis of postural information with wearable devices. / Jeyhani, Vala; Mahdiani, Shadi; Viik, Jari; Oksala, Niku; Vehkaoja, Antti.

2018 IEEE 15th International Conference on Wearable and Implantable Body Sensor Networks, BSN 2018. IEEE, 2018. s. 30-33.

Tutkimustuotos > > vertaisarvioitu

Cybersecurity Attacks and Defences for Unmanned Smart Ships. / Silverajan, Bilhanan; Ocak, Mert; Nagel, Benjamin.

Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physical and Social Computing, Smart Data, Blockchain, Computer and Information Technology, iThings/GreenCom/CPSCoM/SmartData/Blockchain/CIT 2018. IEEE, 2018. s. 15-20.

Tutkimustuotos > > vertaisarvioitu

Detection of beat-to-beat intervals from wrist photoplethysmography in patients with sinus rhythm and atrial fibrillation after surgery. / Tarniceriu, Adrian; Harju, Jarkko; Vehkaoja, Antti; Parak, Jakub; Delgado-Gonzalo, Ricard; Renevey, Philippe; Yli-Hankala, Arvi; Korhonen, Ilkka.

2018 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2018. IEEE, 2018. s. 133-136.

Tutkimustuotos > > vertaisarvioitu

Eigen Posture Based Fall Risk Assessment System Using Kinect. / Tripathy, Soumya Ranjan; Chakravarty, Kingshuk; Sinha, Aniruddha.

40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2018. Vuosikerta 2018-July IEEE, 2018. s. 1-4 8513263.

Tutkimustuotos > > vertaisarvioitu

Error analysis of NOMA-based user cooperation with SWIPT. / Li, Suyue; Bariah, Lina; Muhaidat, Sami; Sofotasios, Paschalis; Liang, Jie; Wang, Anhong.

Proceedings - 15th Annual International Conference on Distributed Computing in Sensor Systems, DCOSS 2019. IEEE, 2019. s. 507-513.

Tutkimustuotos > > vertaisarvioitu

Face verification and recognition for digital forensics and information security. / Amato, Giuseppe; Falchi, Fabrizio; Gennaro, Claudio; Massoli, Fabio Valerio; Passalis, Nikolaos; Tefas, Anastasios; Trivilini, Alessandro; Vairo, Claudio. 7th International Symposium on Digital Forensics and Security, ISDFS 2019. toim. / Asaf Varol; Murat Karabatak; Cihan Varol; Sevginur Teke. IEEE, 2019.

Tutkimustuotos >> vertaisarvioitu

Hardware-in-the-loop platform for testing autonomous vehicle control algorithms. / Heikkinen, Jani Erik; Gafurov, Salimzhan; Kopylov, Sergey; Minav, Tatiana; Grebennikov, Sergey; Kurbanov, Artur. Proceedings - 12th International Conference on the Developments in eSystems Engineering, DeSE 2019. toim. / Dhiya Al-Jumeily; Jade Hind; Jamila Mustafina; Assem Al-Hajj; Abir Hussain; Evgeni Magid; Hissam Tawfik. IEEE, 2019. s. 906-911 9073320 (International Conference on Developments in eSystems Engineering, DeSE).

Tutkimustuotos >> vertaisarvioitu

Identification of Parkinson's Disease Utilizing a Single Self-recorded 20-step Walking Test Acquired by Smartphone's Inertial Measurement Unit. / Mehrang, Saeed; Jauhainen, Milla; Pietilä, Julia; Puustinen, Juha; Ruokolainen, Jari; Nieminen, Hannu.

40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2018. Vuosikerta 2018-July Institute of Electrical and Electronics Engineers Inc., 2018. s. 2913-2916 8512921.

Tutkimustuotos >> vertaisarvioitu

Improving hospital services based on patient experience data : Current feedback practices and future opportunities. / Kaipio, Johanna; Stenhammar, Hanna; Immonen, Susanna; Litovuo, Lauri; Axelsson, Minja; Lantto, Minna; Lahdenne, Pekka.

Building Continents of Knowledge in Oceans of Data: The Future of Co-Created eHealth - Proceedings of MIE 2018. IOS Press, 2018. s. 266-270 (Studies in Health Technology and Informatics; Vuosikerta 247).

Tutkimustuotos >> vertaisarvioitu

Mobile Microservice Architecture for Patients Self-Care. / Ruokolainen, Jari.

The Practice of Patient Centered Care: Empowering and Engaging Patients in the Digital Era. IOS Press, 2017. s. 106 (Studies in Health Technology and Informatics; Vuosikerta 244).

Tutkimustuotos >> vertaisarvioitu

Network signatures based on gene pair expression ratios improve classification and the analysis of muscle-invasive urothelial cancer. / De Matos Simoes, Ricardo; Mitsiades, Constantine; Williamson, Kate E.; Emmert-Streib, Frank. 2015 IEEE International Conference on Bioinformatics and Biomedicine (BIBM). IEEE, 2015. s. 1216-1223.

Tutkimustuotos >> vertaisarvioitu

On computation of calcium cycling anomalies in cardiomyocytes data. / Juhola, Martti; Joutsijoki, Henry; Varpa, Kirsi; Saarikoski, Jyri; Rasku, Jyrki; Iltanen, Kati; Laurikkala, Jorma; Hyyro, Heikki; Avalos-Salguero, Jorge; Siirtola, Harri; Penttinen, Kirsi; Aalto-Setälä, Katriina.

2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2014. Institute of Electrical and Electronics Engineers Inc., 2014. s. 1444-1447 6943872.

Tutkimustuotos >> vertaisarvioitu

Open framework for mammography-based breast cancer risk assessment. / Pertuz, Said; Torres, German F.; Tamimi, Rulla; Kämäräinen, Joni.

2019 IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2019 - Proceedings. IEEE, 2019.

Tutkimustuotos >> vertaisarvioitu

Optimized wake-up scheme with bounded delay for energy-efficient MTC. / Rostami, Soheil; Lagen, Sandra; Costa, Mario; Dini, Paolo; Valkama, Mikko.

2019 IEEE Global Communications Conference, GLOBECOM 2019 - Proceedings. IEEE, 2019. 9013534.

Tutkimustuotos >> vertaisarvioitu

Parametric exploration of cellular swelling in a computational model of cortical spreading depression. / Genocchi, Barbara; Cunha, Andre; Jain, Soumil; Hyttinen, Jari; Lenk, Kerstin; Ellingsrud, Ada Johanne.

42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society: Enabling Innovative Technologies for Global Healthcare, EMBC 2020. IEEE, 2020. s. 2491-2495 (Annual International Conference of the IEEE Engineering in Medicine and Biology Society; Vuosikerta 2020-July).

Tutkimustuotos >> vertaisarvioitu

Prototyping directional UAV-based wireless access and backhaul systems. / Gerasimenko, Mikhail; Pokorny, Jiri; Schneider, Tibor; Sirjov, Jakub; Andreev, Sergey; Hosek, Jiri.
2019 IEEE Global Communications Conference, GLOBECOM 2019 - Proceedings. IEEE, 2019. 9014228.

Tutkimustuotos >> vertaisarvioitu

Random Value Impulse Noise Removal Based on Most Similar Neighbors. / Habib, Muhammad; Rasheed, Saqib; Hussain, Ayyaz; Ali, Mubashir.
2015 13th International Conference on Frontiers of Information Technology (FIT) . IEEE, 2016. s. 329-333.

Tutkimustuotos >> vertaisarvioitu

Red Alert : Break-Glass Protocol to Access Encrypted Medical Records in the Cloud. / De Oliveira, Marcela Tuler; Michalas, Antonis; Groot, Adrien E.D.; Marquering, Henk A.; Olabbarriaga, Silvia Delgado.
2019 IEEE International Conference on E-Health Networking, Application and Services, HealthCom 2019. IEEE, 2019. 9009598.

Tutkimustuotos >> vertaisarvioitu

Secure Firmware Updates for IoT : A Survey. / Kolehmainen, Antti.
Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physical and Social Computing, Smart Data, Blockchain, Computer and Information Technology, iThings/GreenCom/CPSCoM/SmartData/Blockchain/CIT 2018. IEEE, 2018. s. 112-117.

Tutkimustuotos >> vertaisarvioitu

Security aspects of e-Health systems migration to the cloud. / Michalas, Antonis; Paladi, Nicolae; Gehrmann, Christian.
2014 IEEE 16th International Conference on e-Health Networking, Applications and Services, Healthcom 2014. Institute of Electrical and Electronics Engineers Inc., 2015. s. 212-218 7001843.

Tutkimustuotos >> vertaisarvioitu

Societal impact as Cost-Benefit Analysis : Comparative analysis of two research infrastructures. / Magazinik, Anastasiya; Bedolla, Joel Souza; Lasheras, Nuria Catalan; Mäkinen, Saku.
2019 IEEE International Conference on Engineering, Technology and Innovation, ICE/ITMC 2019. IEEE, 2019.

Tutkimustuotos >> vertaisarvioitu

The Accuracy of Atrial Fibrillation Detection from Wrist Photoplethysmography. A Study on Post-Operative Patients. / Tarniceriu, Adrian; Harju, Jarkko; Yousefi, Zeinab Rezaei; Vehkaoja, Antti; Parak, Jakub; Yli-Hankala, Arvi; Korhonen, Ilkka.
40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2018. Vuosikerta 2018-July IEEE, 2018. s. 4844-4847 8513197.

Tutkimustuotos >> vertaisarvioitu

The Definition of Informatics Competencies in Finnish Healthcare and Social Welfare Education. / Värri, Alpo; Tiainen, Minna; Rajalahti, Elina; Kinnunen, Ulla Mari; Saarni, Lea; Ahonen, Outi.
Digital Personalized Health and Medicine: Proceedings of MIE 2020. IOP Press, 2020. s. 1143-1147 (Studies in Health Technology and Informatics; Vuosikerta 270).

Tutkimustuotos >> vertaisarvioitu