

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

Parajuli, Anirudra ; Hui, Nan ; Puhakka, Riikka ; Oikarinen, Sami ; Grönroos, Mira ; Selonen, Ville A.O. ; Siter, Nathan ; Kramna, Lenka ; Roslund, Marja I. ; Vari, Heli K. ; Nurminen, Noora ; Honkanen, Hanna ; Hintikka, Jukka ; Sarkkinen, Hannu ; Romantschuk, Martin ; Kauppi, Markku ; Valve, Raisa ; Cinek, Ondrej ; Laitinen, Olli H. ; Rajaniemi, Juho ; Hyöty, Heikki ; Sinkkonen, Aki. / **Yard vegetation is associated with gut microbiota composition**. In: Science of the Total Environment. 2020 ; Vol. 713.

Jansson, Miia ; Koivisto, Jonna ; Pikkarainen, Minna. / **Identified opportunities for gamification in the elective primary fast-track total hip and knee arthroplasty journey : Secondary analysis of healthcare professionals' interviews**. In: JOURNAL OF CLINICAL NURSING. 2020 ; Vol. 29. pp. 2338-2351.

Jansson, Miia ; Vuorinen, Anna Leena ; Harjumaa, Marja ; Similä, Heidi ; Koivisto, Jonna ; Puhto, Ari-Pekka ; Vesty, Gillian ; Pikkarainen, Minna. / **The digital patient journey solution for patients undergoing elective hip and knee arthroplasty : Protocol for a pragmatic randomized controlled trial**. In: Journal of Advanced Nursing. 2020 ; Vol. 76, No. 6. pp. 1436-1448.

Laurila, Mika-Matti ; Peltokangas, Mikko ; Lozano Montero, Karem ; Siponkoski, Tuomo ; Juuti, Jari ; Tuukkanen, Sampo ; Oksala, Niku ; Vehkaoja, Antti ; Mäntysalo, Matti. / **Evaluation of printed P(VDF-TrFE) pressure sensor signal quality in arterial pulse wave measurement**. In: IEEE Sensors Journal. 2019.

Kangas, Pauliina ; Tikkakoski, Antti ; Uitto, Marko ; Viik, Jari ; Bouquin, Heidi ; Niemelä, Onni ; Mustonen, Jukka ; Pörsti, Ilkka. / **Metabolic syndrome is associated with decreased heart rate variability in a sex-dependent manner : a comparison between 252 men and 249 women**. In: Clinical Physiology and Functional Imaging. 2019 ; Vol. 39, No. 2. pp. 160-167.

Uddin, Khan Mohammad Ahsan ; Jokinen, Ville ; Jahangiri, Farzin ; Franssila, Sami ; Rojas, Orlando J. ; Tuukkanen, Sampo. / **Disposable Microfluidic Sensor Based on Nanocellulose for Glucose Detection**. In: Global Challenges. 2019 ; Vol. 3, No. 2.

Payne, Hannah L ; French, Ranran L ; Guo, Christine C ; Nguyen-Vu, T. D. Barbara ; Manninen, Tiina ; Raymond, Jennifer L. / **Cerebellar Purkinje cells control eye movements with a rapid rate code that is invariant to spike irregularity**. In: eLIFE. 2019 ; Vol. 8.

Stupnikov, Alexey ; O'Reilly, Paul G. ; McInerney, Caitriona E. ; Roddy, Aideen C. ; Dunne, Philip D. ; Gilmore, Alan ; Ellis, Hayley P. ; Flannery, Tom ; Healy, Estelle ; McIntosh, Stuart A. ; Savage, Kieran ; Kurian, Kathreena M. ; Emmert-Streib, Frank ; Prise, Kevin M. ; Salto-Tellez, Manuel ; McArt, Darragh G. / **Impact of Variable RNA-Sequencing Depth on Gene Expression Signatures and Target Compound Robustness : Case Study Examining Brain Tumor (Glioma) Disease Progression**. In: JCO precision oncology. 2018 ; Vol. 2.

Sartoneva, Reetta ; Kuismanen, Kirsi ; Juntunen, Miia ; Karjalainen, Sanna ; Hannula, Markus ; Kyllönen, Laura ; Hyttinen, Jari ; Huhtala, Heini ; Paakinaho, Kaarlo ; Miettinen, Susanna. / **Porous poly-L-lactide-co-1-caprolactone scaffold : A novel biomaterial for vaginal tissue engineering**. In: Royal Society Open Science. 2018 ; Vol. 5, No. 8.

Abe, Shinya ; Narra Girish, Nathaniel ; Nikander, Riku ; Hyttinen, Jari ; Kouhia, Reijo ; Sievänen, Harri. / **Impact loading history modulates hip fracture load and location: A finite element simulation study of the proximal femur in female athletes**. In: Journal of Biomechanics. 2018 ; Vol. 76. pp. 136-143.

Goncalves, Nadia ; Startceva, Sofia ; Palma, Cristina ; Bahrudeen, Mohamed ; Oliveira, Samuel ; Ribeiro, Andre Sanches. / **Temperature-dependence of the single-cell variability in the kinetics of transcription activation in Escherichia coli**. In: Physical Biology. 2018 ; Vol. 15, No. 2.

Paci, Michelangelo ; Casini, Simona ; Bellin, Milena ; Hyttinen, Jari ; Severi, Stefano. / **Large-Scale Simulation of the Phenotypical Variability Induced by Loss-of-Function Long QT Mutations in Human Induced Pluripotent Stem Cell Cardiomyocytes**. In: International Journal of Molecular Sciences. 2018 ; Vol. 19, No. 11.

Oliveira, Samuel M. D. ; Bahrudeen, Mohamed N. M. ; Startceva, Sofia ; Kandavalli, Vinodh ; Ribeiro, Andre S. / **Modeling and Engineering Promoters with Pre-defined RNA Production Dynamics in Escherichia Coli**. Computational Methods in Systems Biology - 16th International Conference, CMSB 2018, Proceedings. Springer Verlag, 2018. pp. 3-20 (Lecture Notes in Bioinformatics).

Värri, Alpo ; Kallonen, Antti ; Helander, Elina ; Ledesma Figueroa, Andres ; Pladys, Patrick. / **The Digi-NewB project for preterm infant sepsis risk and maturity analysis**. In: Finnish Journal of eHealth and eWelfare. 2018 ; Vol. 10, No. 2-3. pp. 330-333.

Halonen, Heidi ; Ihalainen, Teemu ; Hyttinen, Jari. / **Abstract: High-resolution live cell imaging during mechanical vibration loading**. Paper presented at BMT and MED Research Day 2017, Tampere, Finland.1 p.

Litovuo, Lauri ; Makkonen, Hannu ; Aarikka-Stenroos, Leena ; Luhtala, Linda ; Mäkinen, Saku. / **Ecosystem approach on medical game development: The relevant actors, value propositions and innovation barriers**. Association for Computing Machinery, ACM: AcademicMindtrek'17, Sept. 20th-21st, 2017 Tampere Hall, Tampere, Finland. Tampere, Finland : ACM Press, 2017.

Viik, Jari. / **The Duke treadmill score in assessing the prognosis of patients tested with bicycle ergometer**.

Khan, Waqas ; Rizwan, Muhammad ; Behfar, Mohammadhossein ; Sydänheimo, Lauri ; Björninen, Toni ; Ukkonen, Leena . / **Effect of Implant Coating on Wireless Powering for Intracranial Pressure Monitoring System**. Proceedings of 2017 IEEE AP-S/URSI . IEEE, 2017. (Digest of the IEEE Antennas and Propagation Society International Symposium).

Halonen, Heidi ; Ihalainen, Teemu ; Hyttinen, Jari. / **Abstract: Vibration stimulator for imaging mechanotransduction based cell responses**. Paper presented at EMBEC'17 & NBC'17 | Joint Conference 11-15 June 2017, Tampere, Tampere, .1 p.

Halonen, Heidi ; Ihalainen, Teemu ; Hyttinen, Jari. / **Abstract: Vibration stimulator for microscoping of fast cell responses**. Paper presented at The 23rd Congress of the European Society of Biomechanics, Seville, Spain.1 p.

Litovuo, Lauri ; Aarikka-Stenroos, Leena ; Kaipio, Johanna ; Karisalmi, Nina. / **Examining service experiences: comparing methods to capture children's experiences**. The 5th Naples Forum on Service 2017 proceedings: Sorrento, Naples, Italy 6-9 June 2017. editor / Evert Gummesson ; Christina Mele ; Francesco Polese. SIMAS di Salerno for Naples Forum on Service, 2017.

Värri, Alpo ; Tolonen, Johanna. / **Foundational eHealth Curricula for the health care workforce**. Paper presented at Sosiaali- ja terveydenhuollon ATK-päivät 2017, Helsinki, Finland.6 p.

Blake, Rachele ; Shaw, Toria ; Blake, Angelique ; Hübner, Ursula ; Kaye, Rachele ; Schug, Stephan ; Thye, Johannes ; Värri, Alpo. / **EU*US eHealth Works to Improve Global Workforce Development**. HIMSS White Papers. Healthcare Information and Management Systems Society, 2017. pp. 1-12

Abe, Shinya ; Narra , Nathaniel ; Nikander, Riku ; Hyttinen, Jari ; Kouhia, Reijo ; Sievänen, Harri . / **Association of exercise loading history with fall-induced hip fracture risk**. Paper presented at Congress of the european society of biomechanics, .

Nommeots-Nomm, Amy ; Massera, Jonathan. / **Glass and Glass-Ceramic Scaffolds: Manufacturing Methods and the Impact of Crystallization on In-Vitro Dissolution**. Scaffolds in Tissue Engineering - Materials, Technologies and Clinical Applications. InTech Open Access Publisher, 2017.

Abe, Shinya ; Narra , Nathaniel ; Nikander, Riku ; Hyttinen, Jari ; Kouhia, Reijo ; Sievänen, Harri. / **Influence of exercise history on fall-induced hip fracture risk**. Proceeding of the 35th International Conference on Biomechanics in Sports: German Sport University Cologne, Cologne, Germany, June 14-18, 2017. editor / Wolfgang Potthast ; Anja Niehoff ; Sina David. Vol. 1 2017. pp. 464-467

Sorri, Jaakko ; Edelman, Harry. / **Katsaus vähähiilisyden edistämiseen**. Tampereen teknillinen yliopisto, 2017. (Tampereen teknillinen yliopisto. Rakennustekniikan laboratorio. Rakennustuotanto ja -talous. Raportti).

Potapov, Ilya ; Haverinen, Samuli ; Smolander, Juhani ; Viik, Jari ; Räsänen, Esa. / **Nonlinear Effects of Winter Swimming and Sauna Recreational Activities on the Heart Rate Variability**. In: Computing in Cardiology. 2017 ; Vol. 44.

Kim, Jiyeong ; Kuusela, Jukka ; Aalto-Setälä, Katriina ; Räsänen, Esa. / **Short- and Long-Range Correlations in Beat Rate Variability of Human Pluripotent-Stem-Cell-Derived Cardiomyocytes**. Computing in Cardiology 2017. Vol. 44 2017. (Computing in Cardiology).

Pammo, Arno ; Schouten, Martijn ; Virtanen, Juhani ; Tuukkanen, Sampo. / **Biomaterials for Electronics**. 1 p.

Lyyra, Inari ; Hannula, Markus ; Paakinaho, Kaarlo ; Kellomäki, Minna. / **Porous polymer tubes for urethral tissue engineering**. Paper presented at BioMediTech Research Day 2016, Tampere, Finland.

Chen, Lin ; Ray, Shonket ; Keller, Brad ; Pertuz, Said ; McDonald, Elizabeth ; Conant, Emily ; Kontos, Despina. / **The impact of acquisition dose on quantitative breast density estimation with digital mammography: results from ACRIN PA 4006**. In: Radiology. 2016 ; Vol. 280, No. 3.

Pertuz, Said ; McDonald, Elizabeth ; Weinstein, Susan ; Conant, Emily ; Kontos, Despina. / **Fully-automated quantitative estimation of volumetric breast density from digital breast tomosynthesis images**. In: Radiology. 2016 ; Vol. 279, No. 1. pp. 65-74.

Ledesma, Andres ; Al-Musawi, Mohammed ; Nieminen, Hannu. / **Health figures: an open source JavaScript library for health data visualization**. In: BMC Medical Informatics and Decision Making. 2016 ; Vol. 16, No. 1.

Airaksinen, N. ; Nurmi-Lüthje, I. ; Lüthje, P. / **Comparison of injury severity between moped and motorcycle crashes : A finnish two-year prospective hospital-based study**. In: Scandinavian Journal of Surgery. 2016 ; Vol. 105, No. 1. pp. 49-55.

Al-Musawi, Mohammed ; Ledesma, Andres ; Nieminen, Hannu ; Korhonen, Ilkka. / **Implementation and User Testing of a System for Visualizing Continuous Health Data and Events**. 2016 IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI) . IEEE, 2016. pp. 156-159

Ruusuvuori, Pekka ; Valkonen, Mira ; Nykter, Matti ; Visakorpi, Tapio ; Latonen, Leena. / **Feature-based analysis of mouse prostatic intraepithelial neoplasia in histological tissue sections**. In: Journal of Pathology Informatics. 2016 ; Vol. 7, No. 5.

Pohjola, Jari ; Turunen, Jari ; Lipping, Tarmo ; Ikonen, Ari. / **The influence of foodstuff grouping on doses in safety assessments**. Ninth International Conference on Nuclear and Radiochemistry - Nrc9. 2016.

Virtanen, Juhani ; Tuukkanen, Sampo. / **Cost effective potentiostat design for large dynamic range measurements**. Paper presented at Micronano System Workshop, Espoo, Finland. 1 p.

Levijoki, Jouko ; Kivikko, Matti ; Pollesello, Piero ; Sallinen, Jukka ; Hyttilä-Hopponen, Minja ; Kuoppamäki, Mikko ; Haasio, Kristiina ; Gröhn, Olli ; Miettinen, Riitta ; Puoliväli, Jukka ; Tähtivaara, Leena ; Yrjänheikki, Juha ; Haapalinna, Antti. / **Levosimendan alone and in combination with valsartan prevents stroke in Dahl salt-sensitive rats**. In: European Journal of Pharmacology. 2015 ; Vol. 750. pp. 132-40.

Koskinen, Johanna ; Löhönen, Johanna ; Koponen, Hannu ; Isohanni, Matti ; Miettunen, Jouko. / **Rate of cannabis use disorders in clinical samples of patients with schizophrenia : A meta-analysis**. In: SCHIZOPHRENIA BULLETIN. 2010 ; Vol. 36, No. 6. pp. 1115-1130.

Löhönen, Johanna ; Isohanni, Matti ; Nieminen, Pentti ; Miettunen, Jouko. / **Coverage of the bibliographic databases in mental health research.** In: NORDIC JOURNAL OF PSYCHIATRY. 2010 ; Vol. 64, No. 3. pp. 181-188.

Löhönen, Johanna ; Isohanni, Matti ; Nieminen, Pentti ; Miettunen, Jouko. / **A guide for medical information searches of bibliographic databases - psychiatric research as an example.** In: INTERNATIONAL JOURNAL OF CIRCUMPOLAR HEALTH. 2009 ; Vol. 68, No. 4. pp. 394-404.

Koskinen, Johanna ; Löhönen, Johanna ; Koponen, Hannu ; Isohanni, Matti ; Miettunen, Jouko. / **Prevalence of alcohol use disorders in schizophrenia - A systematic review and meta-analysis.** In: ACTA PSYCHIATRICA SCANDINAVICA. 2009 ; Vol. 120, No. 2. pp. 85-96.

Alaräisänen, Antti ; Heikkinen, Johanna ; Kianickova, Zuzana ; Miettunen, Jouko ; Räsänen, Pirkko ; Isohanni, Matti. / **Pathways leading to suicide in schizophrenia.** In: Current Psychiatry Reviews. 2007 ; Vol. 3, No. 4. pp. 233-242.

Heikkinen, Johanna ; Isohanni, Matti ; Miettunen, Jouko. / **Lääketieteen kirjallisuustietokannat ja tiedonhaku.** In: Suomen Lääkärilehti. 2007 ; Vol. 62, No. 22. pp. 2156-2170.