

Abe S, Narra N, Nikander R, Hyttinen J, Kouhia R, Sievänen H. **Influence of exercise history on fall-induced hip fracture risk.** In Potthast W, Niehoff A, David S, editors, *Proceeding of the 35th International Conference on Biomechanics in Sports: German Sport University Cologne, Cologne, Germany, June 14-18, 2017*. Vol. 1. 2017. p. 464-467

Abe S, Narra N, Nikander R, Hyttinen J, Kouhia R, Sievänen H. **Association of exercise loading history with fall-induced hip fracture risk.** 2017. Paper presented at Congress of the European Society of Biomechanics, .

Abe S, Narra Girish N, Nikander R, Hyttinen J, Kouhia R, Sievänen H. **Impact loading history modulates hip fracture load and location: A finite element simulation study of the proximal femur in female athletes.** *Journal of Biomechanics*. 2018 Jul 25;76:136-143. <https://doi.org/10.1016/j.jbiomech.2018.05.037>

Airaksinen N, Nurmi-Lüthje I, Lüthje P. **Comparison of injury severity between moped and motorcycle crashes: A Finnish two-year prospective hospital-based study.** *Scandinavian Journal of Surgery*. 2016 Mar 1;105(1):49-55. <https://doi.org/10.1177/1457496915571401>

Alaräisänen A, Heikkinen J, Kianickova Z, Miettunen J, Räsänen P, Isohanni M. **Pathways leading to suicide in schizophrenia.** *Current Psychiatry Reviews*. 2007 Nov 1;3(4):233-242. <https://doi.org/10.2174/157340007782408879>

Al-Musawi M, Ledesma A, Nieminen H, Korhonen I. **Implementation and User Testing of a System for Visualizing Continuous Health Data and Events.** In 2016 IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI) . IEEE. 2016. p. 156-159 <https://doi.org/10.1109/BHI.2016.7455858>

Blake R, Shaw T, Blake A, Hübner U, Kaye R, Schug S et al. **EU\*US eHealth Works to Improve Global Workforce Development.** In HIMSS White Papers. Healthcare Information and Management Systems Society. 2017. p. 1-12

Chen L, Ray S, Keller B, Pertuz S, McDonald E, Conant E et al. **The impact of acquisition dose on quantitative breast density estimation with digital mammography: results from ACRIN PA 4006.** *Radiology*. 2016 Sep;280(3). <https://doi.org/10.1148/radiol.2016151749>

Goncalves N, Startceva S, Palma C, Bahrudeen M, Oliveira S, Ribeiro AS. **Temperature-dependence of the single-cell variability in the kinetics of transcription activation in Escherichia coli.** *Physical Biology*. 2018 Jan;15(2). <https://doi.org/10.1088/1478-3975/aa9ddf>

Halonen H, Ihalainen T, Hyttinen J. **Abstract: High-resolution live cell imaging during mechanical vibration loading.** 2017. Paper presented at BMT and MED Research Day 2017, Tampere, Finland.

Halonen H, Ihalainen T, Hyttinen J. **Abstract: Vibration stimulator for imaging mechanotransduction based cell responses.** 2017. Paper presented at EMBEC'17 & NBC'17 | Joint Conference 11-15 June 2017, Tampere, Tampere, .

Halonen H, Ihalainen T, Hyttinen J. **Abstract: Vibration stimulator for microscopy of fast cell responses.** 2017. Paper presented at The 23rd Congress of the European Society of Biomechanics, Seville, Spain.

Heikkinen J, Isohanni M, Miettunen J. **Lääketieteen kirjallisuustietokannat ja tiedonhaku.** *Suomen Lääkäreilehti*. 2007;62(22):2156-2170.

Jansson M, Vuorinen AL, Harjumaa M, Similä H, Koivisto J, Puhto A-P et al. **The digital patient journey solution for patients undergoing elective hip and knee arthroplasty: Protocol for a pragmatic randomized controlled trial.** *Journal of Advanced Nursing*. 2020;76(6):1436-1448. <https://doi.org/10.1111/jan.14343>

Jansson M, Koivisto J, Pikkarainen M. **Identified opportunities for gamification in the elective primary fast-track total hip and knee arthroplasty journey: Secondary analysis of healthcare professionals' interviews.** *JOURNAL OF CLINICAL NURSING*. 2020;29:2338-2351. <https://doi.org/10.1111/jocn.15246>

Kangas P, Tikkakoski A, Uitto M, Viik J, Bouquin H, Niemelä O et al. **Metabolic syndrome is associated with decreased heart rate variability in a sex-dependent manner: a comparison between 252 men and 249 women.** *Clinical Physiology and Functional Imaging*. 2019 Mar;39(2):160-167. <https://doi.org/10.1111/cpf.12551>

Khan W, Rizwan M, Behfar M, Sydänheimo L, Björninen T, Ukkonen L. **Effect of Implant Coating on Wireless Powering for Intracranial Pressure Monitoring System.** In *Proceedings of 2017 IEEE AP-S/URSI*. IEEE. 2017. (Digest of the IEEE Antennas and Propagation Society International Symposium). <https://doi.org/10.1109/APUSNCURSINRSM.2017.8072237>

Kim J, Kuusela J, Aalto-Setälä K, Räsänen E. **Short- and Long-Range Correlations in Beat Rate Variability of Human Pluripotent-Stem-Cell-Derived Cardiomyocytes.** In *Computing in Cardiology 2017*. Vol. 44. 2017. (Computing in Cardiology). <https://doi.org/10.22489/CinC.2017.207-155>

Koskinen J, Löhönen J, Koponen H, Isohanni M, Miettunen J. **Prevalence of alcohol use disorders in schizophrenia - A systematic review and meta-analysis.** *ACTA PSYCHIATRICA SCANDINAVICA*. 2009 Aug 1;120(2):85-96. <https://doi.org/10.1111/j.1600-0447.2009.01385.x>

Koskinen J, Löhönen J, Koponen H, Isohanni M, Miettunen J. **Rate of cannabis use disorders in clinical samples of patients with schizophrenia: A meta-analysis.** *SCHIZOPHRENIA BULLETIN*. 2010 Nov 1;36(6):1115-1130. <https://doi.org/10.1093/schbul/sbp031>

Laurila M-M, Peltokangas M, Lozano Montero K, Siponkoski T, Juuti J, Tuukkanen S et al. **Evaluation of printed P(VDF-TrFE) pressure sensor signal quality in arterial pulse wave measurement.** *IEEE Sensors Journal*. 2019 Aug 15. <https://doi.org/10.1109/JSEN.2019.2934943>

Ledesma A, Al-Musawi M, Nieminen H. **Health figures: an open source JavaScript library for health data visualization.** *BMC Medical Informatics and Decision Making*. 2016 Mar 22;16(1). 38. <https://doi.org/10.1186/s12911-016-0275-6>

Levijoki J, Kivikko M, Pollesello P, Sallinen J, Hyttilä-Hopponen M, Kuoppamäki M et al. **Levosimendan alone and in combination with valsartan prevents stroke in Dahl salt-sensitive rats.** *European Journal of Pharmacology*. 2015 Mar 5;750:132-40. <https://doi.org/10.1016/j.ejphar.2015.01.037>

Litovuo L, Aarikka-Stenroos L, Kaipio J, Karisalmi N. **Examining service experiences: comparing methods to capture children's experiences.** In *Gummesson E, Mele C, Polese F, editors, The 5th Naples Forum on Service 2017 proceedings: Sorrento, Naples, Italy 6-9 June 2017*. SIMAS di Salerno for Naples Forum on Service. 2017

Litovuo L, Makkonen H, Aarikka-Stenroos L, Luhtala L, Mäkinen S. **Ecosystem approach on medical game development: The relevant actors, value propositions and innovation barriers.** In *Association for Computing Machinery, ACM: AcademicMindtrek'17, Sept. 20th-21st, 2017 Tampere Hall, Tampere, Finland*. Tampere, Finland: ACM Press. 2017 <https://doi.org/10.1145/3131085.3131104>

Löhönen J, Isohanni M, Nieminen P, Miettunen J. **Coverage of the bibliographic databases in mental health research.** *NORDIC JOURNAL OF PSYCHIATRY*. 2010;64(3):181-188. <https://doi.org/10.3109/08039480903337378>

Löhönen J, Isohanni M, Nieminen P, Miettunen J. **A guide for medical information searches of bibliographic databases - psychiatric research as an example.** *INTERNATIONAL JOURNAL OF CIRCUMPOLAR HEALTH*. 2009 Oct 15;68(4):394-404. <https://doi.org/10.3402/ijch.v68i4.17366>

Lyyra I, Hannula M, Paakinaho K, Kellomäki M. **Porous polymer tubes for urethral tissue engineering.** 2016. Paper presented at BioMediTech Research Day 2016, Tampere, Finland.

Nommeots-Nomm A, Massera J. **Glass and Glass-Ceramic Scaffolds: Manufacturing Methods and the Impact of Crystallization on In-Vitro Dissolution.** In *Scaffolds in Tissue Engineering - Materials, Technologies and Clinical Applications*. InTech Open Access Publisher. 2017 <https://doi.org/10.5772/intechopen.70242>

Oliveira SMD, Bahrudeen MNM, Startceva S, Kandavalli V, Ribeiro AS. **Modeling and Engineering Promoters with Pre-defined RNA Production Dynamics in Escherichia Coli**. In Computational Methods in Systems Biology - 16th International Conference, CMSB 2018, Proceedings. Springer Verlag. 2018. p. 3-20. (Lecture Notes in Bioinformatics). [https://doi.org/10.1007/978-3-319-99429-1\\_1](https://doi.org/10.1007/978-3-319-99429-1_1)

Paci M, Casini S, Bellin M, Hyttinen J, Severi S. **Large-Scale Simulation of the Phenotypical Variability Induced by Loss-of-Function Long QT Mutations in Human Induced Pluripotent Stem Cell Cardiomyocytes**. International Journal of Molecular Sciences. 2018;19(11). <https://doi.org/10.3390/ijms19113583>

Pammo A, Schouten M, Virtanen J, Tuukkanen S. **Biomaterials for Electronics**. 2016.

Parajuli A, Hui N, Puhakka R, Oikarinen S, Grönroos M, Selonen VAO et al. **Yard vegetation is associated with gut microbiota composition**. Science of the Total Environment. 2020 Apr 15;713. 136707. <https://doi.org/10.1016/j.scitotenv.2020.136707>

Payne HL, French RL, Guo CC, Nguyen-Vu TDB, Manninen T, Raymond JL. **Cerebellar Purkinje cells control eye movements with a rapid rate code that is invariant to spike irregularity**. eLIFE. 2019;8. e37102. <https://doi.org/10.7554/eLife.37102>

Pertuz S, McDonald E, Weinstein S, Conant E, Kontos D. **Fully-automated quantitative estimation of volumetric breast density from digital breast tomosynthesis images**. Radiology. 2016 Apr;279(1):65-74. <https://doi.org/10.1148/radiol.2015150277>

Pohjola J, Turunen J, Lipping T, Ikonen A. **The influence of foodstuff grouping on doses in safety assessments**. In Ninth International Conference on Nuclear and Radiochemistry - Nrc9. 2016. P2-118

Potapov I, Haverinen S, Smolander J, Viik J, Räsänen E. **Nonlinear Effects of Winter Swimming and Sauna Recreational Activities on the Heart Rate Variability**. Computing in Cardiology. 2017;44. <https://doi.org/10.22489/CinC.2017.151-256>

Ruusuvuori P, Valkonen M, Nykter M, Visakorpi T, Latonen L. **Feature-based analysis of mouse prostatic intraepithelial neoplasia in histological tissue sections**. Journal of Pathology Informatics. 2016 Jan 29;7(5). <https://doi.org/10.4103/2153-3539.175378>

Sartoneva R, Kuismanen K, Juntunen M, Karjalainen S, Hannula M, Kyllönen L et al. **Porous poly-L-lactide-co-1-caprolactone scaffold: A novel biomaterial for vaginal tissue engineering**. Royal Society Open Science. 2018 Aug 1;5(8). 180811. <https://doi.org/10.1098/rsos.180811>

Sorri J, Edelman H. **Katsaus vähähilisiyyden edistämiseen**. Tampereen teknillinen yliopisto. 2017. (Tampereen teknillinen yliopisto. Rakennustekniikan laboratorio. Rakennustuotanto ja -talous. Raportti).

Stupnikov A, O'Reilly PG, McInerney CE, Roddy AC, Dunne PD, Gilmore A et al. **Impact of Variable RNA-Sequencing Depth on Gene Expression Signatures and Target Compound Robustness: Case Study Examining Brain Tumor (Glioma) Disease Progression**. JCO precision oncology. 2018 Sep 13;2. <https://doi.org/10.1200/PO.18.00014>

Uddin KMA, Jokinen V, Jahangiri F, Franssila S, Rojas OJ, Tuukkanen S. **Disposable Microfluidic Sensor Based on Nanocellulose for Glucose Detection**. Global Challenges. 2019 Feb;3(2). <https://doi.org/10.1002/gch2.201800079>

Värrä A, Tolonen J. **Foundational eHealth Curricula for the health care workforce**. 2017. Paper presented at Sosiaali- ja terveydenhuollon ATK-päivät 2017, Helsinki, Finland.

Värrä A, Kallonen A, Helander E, Ledesma Figueroa A, Pladys P. **The Digi-NewB project for preterm infant sepsis risk and maturity analysis**. Finnish Journal of eHealth and eWelfare. 2018;10(2-3):330-333. <https://doi.org/10.23996/fjhw.69152>

Värri A, Tiainen M, Rajalahti E, Kinnunen UM, Saarni L, Ahonen O. **The Definition of Informatics Competencies in Finnish Healthcare and Social Welfare Education.** In Digital Personalized Health and Medicine: Proceedings of MIE 2020. IOP Press. 2020. p. 1143-1147. (Studies in Health Technology and Informatics). <https://doi.org/10.3233/SHTI200341>

Viik J. **The Duke treadmill score in assessing the prognosis of patients tested with bicycle ergometer.** 2017. <https://doi.org/10.1093/eurheartj/ehx502.958>

Virtanen J, Tuukkanen S. **Cost effective potentiostat design for large dynamic range measurements.** 2015. Paper presented at Micronano System Workshop, Espoo, Finland.