

**ACC konverents : ülevaade värsketest arengutest kardioloogias**

**Viigimaa, Margus** Perearst 2016 / lk. 69-71 : fot [http://www.ester.ee/record=b1822433\\*est](http://www.ester.ee/record=b1822433*est) [https://artiklid.elnet.ee/record=b2777474\\*est](https://artiklid.elnet.ee/record=b2777474*est)

**Aldehyde inhibition of antioxidant enzymes in the blood of diabetic patients**

Lankin, Vadim Z.; Kononova, Galina G.; Tikhaze, Alla K.; **Viigimaa, Margus** Journal of Diabetes 2016 / p. 398-404 : tab

<https://doi.org/10.1111/1753-0407.12309> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Amplitude-modulated low-power decoupling sequences for fast magic-angle spinning NMR**

Agarwal, Vipin; **Tuherm, Tiit; Reinhold, Andres; Past, Jaan; Samoson, Ago**; Ernst, Matthias; Meier, Beat H. Chemical Physics

Letters 2013 / p. 1-7 <https://doi.org/10.1016/j.cplett.2013.07.073> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

**An evaluation of e-prescribing at a national level**

**Parv, Liisa**; Kruus, Priit; Mötte, Kaie; **Ross, Peeter** Informatics for health and social care 2014 / p. 78-95

<https://doi.org/10.3109/17538157.2014.948170> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An NMR and MD modeling insight into nucleation of 1,2-alkanediols : selective crystallization of lipase-catalytically resolved enantiomers from the reaction mixtures**

**Parve, Omar**; Reile, Indrek; Parve, Jaan; Kasvandik, Sergio; **Kudrjašova, Marina; Tamp, Sven; Metsala, Andrus; Villo, Ly; Pehk,**

**Tõnis**; Jarvet, Jüri; Vares, Lauri Journal of organic chemistry 2013 / p. 12795-12801 : ill <https://doi.org/10.1021/jo402189e> [Journal](#)

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

**Arterial hypertension and significant coronary artery stenosis: detection by 64 row computed tomography**

Šamarin, Andrei; Mesikepp, Arvo; Brand, Ruth; **Nazarenko, Sergei; Viigimaa, Margus** Journal of hypertension 2008 / p. 285

**Arterial stiffness assessment for early diagnosis of atherosclerosis**

**Pikta, Marika; Viigimaa, Margus; Pilt, Kristjan; Kõöts, Kristina; Meigas, Kalju** Cardiology 2015 / p. 32

<https://www.karger.com/Article/Abstract/431110>

**Asymmetric synthesis of tertiary 2-substituted 5-oxotetrahydrofuran-2-carboxylic acids**

**Paju, Anne; Oja, Karolin; Matkevits, Katharina; Lumi, Priit; Järving, Ivar; Pehk, Tõnis; Lopp, Margus** Heterocycles 2014 / p.

981-995 : ill [https://doi.org/10.3987/COM-13-S\(S\)28](https://doi.org/10.3987/COM-13-S(S)28) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Bacterial polysaccharide levan as stabilizing, non-toxic and functional coating material for microelement-nanoparticles**

Bondarenko, Olesja; Ivask, Angela; Kahru, Anne; **Titma, Tiina; Pudova, Ksenia; Adamberg, Signe** Carbohydrate polymers 2015 /

p. 710-720 : ill <https://doi.org/10.1016/j.carbpol.2015.09.093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article](#)

[at WOS](#)

**Beneficial effects of stoichiometry and nanostructure for a LiBH<sub>4</sub>-MgH<sub>2</sub> hydrogen storage system**

Hu, Jianjiang; **Witter, Raiker**; Shao, Huaiyu; Felderhoff, Michael; Fichtner, Maximilian Journal of materials chemistry A 2014 / p. 66-72

: ill <https://doi.org/10.1039/C3TA13775A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Benefit from lipoprotein apheresis in severe case of coronary heart disease patient with high level of lipoprotein (a)**

**Zemtsovski, Mihhail; Zemtsovskaja, Galina; Pikta, Marika; Luman, Merike; Viigimaa, Margus** Cardiology 2015 / p. 35-36

<https://www.karger.com/Article/Abstract/431110>

**Characterising local environments in high energy density Li-ion battery cathodes: A combined NMR and first principles study of LiFe<sub>x</sub>Co<sub>1-x</sub>PO<sub>4</sub>**

Strobridge, Fiona C.; Middlemiss, Derek S.; Pell, Andrew J.; Leskes, Michal; Clément, Raphaële J.; Pourpoint, Frédérique; Lu,

Zhouguang; Hanna, John V.; Pintacuda, Guido; **Samoson, Ago** Journal of materials chemistry A 2014 / p. 11948-11957 : ill

<https://doi.org/10.1039/c4ta00934g> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cholecystectomy and Diagnosis-Related Groups (DRGs): Patient classification and hospital reimbursement in 11 European countries**

Paat-Ahi, Gerli; **Aaviksoo, Ain**; Świderek, Maria International journal of health policy and management 2014 / p. 383-391 : ill

<https://doi.org/10.15171/ijhpm.2014.121> [Journal metrics 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>

[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Closed circuit video for organizational learning in emergency unit**

**Parv, Liisa**; Nøhr, Christian Driving quality in informatics : fulfilling the promise 2015 / p. 302-307 [https://doi.org/10.3233/978-1-61499-](https://doi.org/10.3233/978-1-61499-488-6-302)

[488-6-302](#) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Combined antihypertensive therapy and sexual dysfunction : Terra incognita**

Doumas, Michalis N.; **Viigimaa, Margus**; Papademetriou, Vassilios Cardiology (Switzerland) 2013 / p. 232 - 234  
<https://doi.org/10.1159/000351696> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A common molecular mechanism of vascular wall injury in atherosclerosis and diabetes**

Tikhaze, Alla K.; Lankin, Vadim Z.; Kononova, Galina G.; **Zemtsovskaja, Galina**; **Pikta, Marika**; **Viigimaa, Margus** Cardiology 2015 / p. 43-44 <https://www.karger.com/Article/Abstract/431110>

### **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](#)

### **Comparison of musculoskeletal disorders development in Estonian office and garment industry workers**

**Pille, Viive**; **Reinhold, Karin**; **Tint, Piia**; **Hartšenko, Jelena** Agronomy research 2016 / p. 1435-1449 : ill  
[http://www.ester.ee/record=b1787401\\*est](http://www.ester.ee/record=b1787401*est) <http://agronomy.emu.ee/category/volume-14/number-4-volume-14/> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Comparison of permeability of intact cell-layer using measurements of transepithelial electrical resistance (TEER) and cell metabolic activity**

**Titma, Tiina** In Vitro Toxicology for Human Safety Assessment : October 17-20, 2016, Palais des Congres, Juan-les-Pins, France : final program and abstract book 2016 / p. 157

### **Correlation between aortic stiffness and conventional risk factors with coronary atherosclerosis**

**Zemtsovskaja, Galina**; **Zemtsovski, Mihhail**; **Abina, Jelena**; **Samarin, Andrei**; **Meigas, Kalju**; **Viigimaa, Margus** Cardiology 2015 / p. 39 <https://www.karger.com/Article/Abstract/431110>

### **Correlations between lithium local structure and electrochemistry of layered LiCo1-2xNixMnxO2 oxides: 7Li MAS NMR and EPR studies**

Stoyanova, Radostina; Ivanova, Svetlana; Zhecheva, Ekaterina; **Samoson, Ago**; Simova, Svetlana; Tzvetkova, Pavleta; Barra, Anne-Laure Physical chemistry chemical physics 2014 / p. 2499-2507 : ill <https://doi.org/10.1039/c3cp54438a> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Data sharing and shared workflow in medical imaging = Jagatud andmebaasid ja töövood pildidiagnostikas**

**Ross, Peeter** 2011

### **De novo 3D structure determination from sub-milligram protein samples by solid-state 100 kHz MAS NMR spectroscopy**

Agarwal, Vipin; Penzel, Susanne; Szekely, Kathrin; Cadalbert, Riccardo; Testori, Emilie; **Oss, Andres**; **Past, Jaan**; **Samoson, Ago**; Ernst, Matthias; Böckmann, Anja; Meier, Beat H. Angewandte Chemie international edition 2014 / p. 12253-12256 : ill  
<https://doi.org/10.1002/anie.201405730> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dehydration of AlPO4-34 studied by variable-temperature NMR, XRD and first-principles calculations**

Varlec, Jure; Krajnc, Andraž; **Vanatalu, Kalju**; **Oss, Andres**; **Samoson, Ago** New journal of chemistry 2016 / p. 4178-4186 : ill  
<https://doi.org/10.1039/c5nj02838h> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development of a signal processing algorithm for automatic identification of the cardiac events in the seismocardiogram**

**Rahman, Mohammed Owahidur**; **Witter, Raiker**; **Samoson, Ago** Cardiology 2015 / p. 44  
<https://www.karger.com/Article/Abstract/431110>

### **Developments and investigations on battery materials**

**Witter, Raiker**; **Irshad, Mohammad**; **Molaiyan, Palanivel**; **Oss, A.**; **Anupöld, T.**; Rongeat, C.; Reddy, M. Anji; Fichtner, M.; **Samoson, Ago** 56th Rocky Mountain Conference on Magnetic Resonance : July 13-17, 2014, Copper Conference Center, Copper Mountain, Colorado, USA 2014 / p. 336

### **Disordered lithium-rich oxyfluoride as a stable host for enhanced Li+ intercalation storage**

Chen, Ruiyong; Ren, Shuhua; Knapp, Michael; Wang, Di; **Witter, Raiker**; Fichtner, Maximilian; Hahn, Horst Advanced energy materials 2015 / p. 1-7 : ill <https://doi.org/10.1002/aenm.201401814> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The effect of local cold and warm exposure on index finger photoplethysmographic signal waveform**

**Pilt, Kristjan**; **Meigas, Kalju**; **Temitski, Kristina**; **Viigimaa, Margus** 2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2013 / p. 2300-2303 <https://doi.org/10.1109/EMBC.2013.6609997> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Effect of negative and positive emotions on EEG spectral asymmetry**

**Päeske, Laura; Bachmann, Maie; Lass, Jaanus; Hinrikus, Hiie** 2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2015 / p. 8107 - 8110 <https://doi.org/10.1109/EMBC.2015.7320275> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Effects of working time patterns on creative R&D work outcome**

**Hazak, Aaro; Virkebau, Marko; Sõõru, Erve; Männasoo, Kadri;** Tuulik, Viu Hard Times? : the Eighth Nordic Working Life Conference, 2-4 November 2016 = Kovat Ajat? : Työelämän tutkimuspäivät 3.-4. marraskuuta 2016 : University of Tampere 2016 / p. 49-50 [http://www.uta.fi/ky/NWLC2016/Programme/abstractbook/NWLC2016\\_Abstraktikirja\\_Web\\_28102016.pdf](http://www.uta.fi/ky/NWLC2016/Programme/abstractbook/NWLC2016_Abstraktikirja_Web_28102016.pdf)

#### **E-Health Innovations in Estonia**

**Ross, Peeter** Cardiology 2015 / p. 14 <https://www.karger.com/Article/Abstract/431110>

#### **Employee performance, working time and tiredness in creative R&D jobs : employee survey from Estonia**

**Hazak, Aaro; Virkebau, Marko;** Tuulik, Viu; **Tint, Piia; Pille, Viive; Sõõru, Erve** 8th International Conference The Economies of Balkan and Eastern Europe Countries in the Changed World : EBEEC 2016 : Split, Croatia, May 5-8, 2016 2016 / p. 77

#### **Enantioselective organocatalytic Michael addition of cyclopentane-1,2-diones to nitroolefins**

**Preegel, Gert; Noole, Artur; Ilmarinen, Kaja; Järving, Ivar; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** Synthesis 2014 / p. 2595-2600 : ill <https://doi.org/10.1055/s-0034-1378374> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Evaluation of muscular tension by myotonometrical method**

**Pille, Viive; Tint, Piia; Rõivassepp, Maris** The annals of occupational hygiene 2015 / p. 31-32 <http://dx.doi.org/10.1093/annhyg/meu119>

#### **Fast atomic charge calculation for implementation into a polarizable force field and application to an ion channel protein**

**Witter, Raiker;** Möllhoff, Margit; Koch, Frank-Thomas; **Sternberg, Ulrich** Journal of chemistry 2015 / p. 1-14 : ill <https://doi.org/10.1155/2015/908204> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **4-pyridoxic acid in the spent dialysate : contribution to fluorescence and optical monitoring**

**Kalle, Sigrid; Tanner, Risto; Arund, Jürgen; Tomson, Ruth; Luman, Merike; Fridolin, Ivo** PLoS ONE 2016 / art. e0162346, p. 1-11 : ill <https://doi.org/10.1371/journal.pone.0162346> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Guía de práctica clínica de la ESH/ESC para el manejo de la hipertensión arterial (2013)**

Mancia, Giuseppe; Fagard, Robert; Narkiewicz, Krzysztof; Redon, Josep; Zanchetti, Alberto; Böhm, Michael; Christiaens, Thierry; Cifkova, Renata; Backer, Guy De; **Viigimaa, Margus** Revista Espanola de Cardiologia 2013 / p. 880.e1-880.e4 <https://doi.org/10.1016/j.recesp.2013.07.016> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Hybrid PET/MR imaging of bone metabolism and morphology = Luustiku ainevahetuse ja morfoloogia hübriidkuvamine positronemissioontomograafia ja magnetresonantstomograafia abil**

**Šamarin, Andrei** 2016 [https://www.ester.ee/record=b4574538\\*est](https://www.ester.ee/record=b4574538*est)

#### **Identification of the hemodynamic modulators and hemodynamic status in uncontrolled hypertensive patients**

**Viigimaa, Margus; Talvik, Anneli;** Wojciechowska, Wiktoria; Kawecka-Jaszcz, Kalina; Toft, Ingrid; Stergiou, George S.; Nasothimiou, Efthimia G.; Kotsis, Vasilios; Agabiti-Rosei, Enrico; Salvetti, Massimo; Dorobanțu, Maria I.; Martell-Clarós, Nieves; Abad-Cardiel, María; Hernández-Hernández, Rafael; Domenech, M. Salomó; Coca, Antonio Blood Pressure 2013 / p. 362 - 370 <https://doi.org/10.3109/08037051.2013.782900> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Implementation and verification of new VWF:Ac assay system with components from different manufacturers**

**Pikta, Marika;** Zolotareva, Valeria; Tõnne, Jelena; **Viigimaa, Margus;** Banys, Valdas Laboratorine medicina 2016 / p. 185-188 : ill [https://www.researchgate.net/publication/312072535\\_Implementation\\_and\\_Verification\\_of\\_New\\_VWFAc\\_Assay\\_System\\_with\\_Components\\_from\\_Different\\_Manufacturers](https://www.researchgate.net/publication/312072535_Implementation_and_Verification_of_New_VWFAc_Assay_System_with_Components_from_Different_Manufacturers)

#### **Intima-media thickness of the common carotid artery of patients with chronic kidney disease**

**Silluta, Sandra; Pilt, Kristjan; Kõõts, Kristina; Viigimaa, Margus; Meigas, Kalju** Cardiology 2015 / p. 37 <https://www.karger.com/Article/Abstract/431110>

#### **Isomers and conformers of complexes of Ti(OiPr)<sub>4</sub> with cyclopentane-1,2-dione : NMR study and DFT calculations**

**Osadchuk, Irina; Pehk, Tõnis; Paju, Anne; Lopp, Margus; Öeren, Mario; Tamm, Toomas** International journal of quantum chemistry 2014 / p. 1012-1018 : ill <https://doi.org/10.1002/qua.24619> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Lempel-Ziv and multiscale Lempel-Ziv complexity in depression**

**Kalev, Kaia; Bachmann, Maie; Päeske, Laura; Lass, Jaanus; Hinrikus, Hiie** 2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2015 / art. 7319310 <https://doi.org/10.1109/EMBC.2015.7319310> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

#### **Level of plasma coenzyme Q10 in patients on statin treatment**

**Pikta, Marika; Zemtsovskaja, Galina; Zemtsovski, Mihhail; Duishvili, Davit; Tikhaze, Alla K.; Lankin, Vadim Z.; Viigimaa, Margus** Cardiology 2015 / p. 36 <https://www.karger.com/Article/Abstract/431110>

#### **Li<sup>+</sup> intercalation in isostructural Li<sub>2</sub>VO<sub>3</sub> and Li<sub>2</sub>VO<sub>2</sub>F with O<sup>2-</sup> and mixed O<sup>2-</sup>/F<sup>-</sup> anions**

Chen, Ruiyong; Ren, Shuhua; Yavuz, Murat; Guda, Alexander A.; Shapovalov, Viktor; **Witter, Raiker**; Fichtner, Maximilian; Hahn, Forst Physical chemistry chemical physics 2015 / p. 17288-17295 : ill <https://doi.org/10.1039/c5cp02505b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Lithiation-driven structural transition of VO<sub>2</sub>F into disordered rock-salt Li<sub>x</sub>VO<sub>2</sub>F**

Chen, Ruiyong; Maawad, Emad; Knapp, Michael; Ren, Shuhua; Beran, Premysl; **Witter, Raiker**; Hempelmann, Rolf RSC advances 2016 / p. 65112-65118 : ill <https://doi.org/10.1039/c6ra14276a> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Low cost anatomically realistic renal biopsy phantoms for interventional radiology trainees**

**Hunt, Andres; Ristolainen, Asko; Ross, Peeter; Öpik, Rivo; Krumme, Andres; Kruusmaa, Maarja** European journal of radiology 2013 / p. 594-600 : ill <https://doi.org/10.1016/j.ejrad.2012.12.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Methods, devices and results of arterial stiffness estimation**

**Pilt, Kristjan** Cardiology 2015 / p. 15 <https://www.karger.com/Article/Abstract/431110>

#### **Microwave effect on diffusion: A possible mechanism for non-thermal effect**

**Hinrikus, Hiie; Lass, Jaanus; Karai, Denis; Pilt, Kristjan; Bachmann, Maie** Electromagnetic Biology and Medicine 2015 / p. 327 - 333 <https://doi.org/10.3109/15368378.2014.921195> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Modulation of genetic associations with serum urate levels by body-mass-index in humans**

Huffman, Jennifer E.; Albrecht, Eva; Teumer, Alexander; Mangino, Massimo; Kapur, Karen; Johnson, Toby; Kutalik, Zoltán; Pirastu, Nicola; Pistis, Giorgio; Lopez, Lorna M.; Haller, Toomas; Salo, Perttu; **Viigimaa, Margus** PLoS ONE 2015 / art. e0119752 <https://doi.org/10.1371/journal.pone.0119752> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Molecular dynamics simulations on PGLa using NMR orientational constraints**

**Sternberg, Ulrich; Witter, Raiker** Journal of biomolecular NMR 2015 / p. 265-274 : ill <https://doi.org/10.1007/s10858-015-9983-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Multilayered core-shell structure of polyol-stabilized calcium fluoride nanoparticles characterized by NMR**

**Witter, Raiker**; Roming, Marcus; Feldmann, Claus; Ulrich, Anne S. Journal of Colloid and Interface Science 2013 / p. 250 - 257 <https://doi.org/10.1016/j.jcis.2012.09.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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.naun.org/main/NAUN/bio/2016/a442010-067.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Myotonometry as a tool for determination of fatigue in the upper extremities of garment industry workers**

**Pille, Viive; Tint, Piia** Proceedings of the 11th International Conference BIOMDLORE 2016 : October 20-22, 2016, Druskininkai, Lithuania 2016 / p. 42-45 : ill

#### **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](#)

#### **New photoplethysmographic signal analysis algorithm for arterial stiffness estimation**

**Pilt, Kristjan; Ferenets, Rain; Meigas, Kalju; Lindberg, Lars-Göran; Temitski, Kristina; Viigimaa, Margus** The Scientific World Journal 2013 / art. 169035 <https://doi.org/10.1155/2013/169035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Operating center workers' skin diseases caused by disinfectants and antiseptics - disbeliefs and preventive measures**

**Kalle, Sigrid; Pille, Viive** OEESC 2013 : 6th International conference on Occupational and Environmental Exposure of Skin to Chemicals, June 2-4, Amsterdam, The Netherlands : programme and abstract book 2013 / [1] p

#### **Optical assessment of calcification markers phosphorus and calcium during hemodialysis**

**Holmar, Jana; Uhlin, Nils Fredrik Arne; Fernström, Anders; Luman, Merike; Jankowski, Joachim; Fridolin, Ivo** Nephrology Dialysis Transplantation 2015 / iii556 <https://doi.org/10.1093/ndt/gfv197.03>



### **Optical Estimation of Beta 2 Microglobulin during Hemodiafiltration - Does It Work?**

**Uhlin, Nils Fredrik Arne; Holmar, Jana; Yngman-Uhlin, Pia; Fernström, Anders; Fridolin, Ivo** Blood Purification 2015 / p. 113-119  
<https://doi.org/10.1159/000381797> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optical monitoring of dialysis dose**

**Uhlin, Nils Fredrik Arne; Fridolin, Ivo** Modeling and control of dialysis systems. Vol. 2, Biofeedback systems and soft computing techniques of dialysis 2013 / p. 867-928 : ill [https://doi.org/10.1007/978-3-642-27558-6\\_3](https://doi.org/10.1007/978-3-642-27558-6_3) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Prevention of physiological and psychological stress at computer-equipped workplaces**

**Tint, Piia; Meigas, Kalju; Tuulik, Viuu; Pille, Viive; Oha, Kristel; Reinhold, Karin; Karai, Deniss; Tuulik-Leisi, Varje-Riin; Lauri, Mariliis** Human factors : sustainable life and mobility : proceedings of the Human Factors and Ergonomics Society Europe Chapter 2013 Annual Conference 2014 / p. 229-240 : ill

### **Protein resonance assignment at MAS frequencies approaching 100 kHz : a quantitative comparison of J-coupling and dipolar-coupling-based transfer methods**

Penzel, Susanne; Smith, Albert A.; Agarwal, Vipin; Hunkeler, Andreas; **Org, Mai-Liis; Samoson, Ago**; Böckmann, Anja; Ernst, Matthias; Meier, Beat H. Journal of Biomolecular NMR 2015 / p. 165 - 186 <https://doi.org/10.1007/s10858-015-9975-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **QT interval variability index and QT interval duration in different sleep stages : analysis of polysomnographic recordings in nonapneic male patients**

**Viigimäe, Moonika; Karai, Deniss; Pirm, Peeter; Pilt, Kristjan; Meigas, Kalju; Kaik, Jüri** BioMed Research International 2015 / art. 963028 <https://doi.org/10.1155/2015/963028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Rail Baltic - ölekõrs teadusele**

**Samoson, Ago** Sirp 2014 / lk. 40 <https://sirp.ee/s1-artiklid/c21-teadus/2014-04-30-17-04-10-2/>

### **A randomized and controlled study of noninvasive hemodynamic monitoring as a guide to drug treatment of uncontrolled hypertensive patients**

Elmula, Fadl Elmula M. Fadl; Rebora, Paola; **Talvik, Anneli**; Salerno, Sabrina; Miskowska-Nagórna, Eliza; Liu, Xiaoqi; **Heinpalu-Kuum, Marika**; Comotti, Tommaso; Larstorp, Anne C.; Rostrup, Morten; Świerblewska, Ewa; Valsecchi, Maria Grazia; Kjeldsen, Sverre E.; **Viigimaa, Margus**; Narkiewicz, Krzysztof; Parati, Gianfranco; Laurent, Stéphane Journal of Hypertension 2015 / p. 2534 - 2545 <https://doi.org/10.1097/HJH.0000000000000749> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Remote activation of the nucleophilicity of isatin**

**Žari, Sergei; Kudrjašova, Marina; Pehk, Tõnis; Lopp, Margus; Kanger, Tõnis** Organic letters 2014 / p. 1740-1743 : ill <https://doi.org/10.1021/ol500421k> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Results of a myotonometrical muscle study in patients with work-related hand overload disorder**

**Pille, Viive**; Oha, Kristel; **Tint, Piia** EPICOH 2013 : Improving the Impact : 18-21 June 2013 Utrecht, The Netherlands : the selected abstracts : 23rd Conference on Epidemiology in Occupational Health 2013 / p. 131-132

### **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) [https://doi.org/10.1007/978-3-642-29305-4\\_109](https://doi.org/10.1007/978-3-642-29305-4_109) [Conference Proceedings at Scopus](#) [Article at scopus](#)

### **Social innovation potential in working arrangements of R&D employees : repeated employee survey from Estonia**

**Hazak, Aaro; Virkebau, Marko**; Tuulik, Viuu; **Tint, Piia; Pille, Viive; Sõõru, Erve** 2016 IEEE International Conference on Emerging Technologies and Innovative Business Practices for the Transformation of Societies (EmergiTech) : 3-6 August 2016, Balaclava Mauritius, Mauritius 2016 / p. 210-213 : ill <https://doi.org/10.1109/EmergiTech.2016.7737340>

### **Solid electrolytes for fluoride ion batteries : ionic conductivity in polycrystalline tysonite-type fluorides**

Rongeat, Carine; Reddy, M. Anji; **Witter, Raiker**; Fichtner, Maximilian ACS applied materials and interfaces ACS applied materials & interfaces 2014 / p. 2103-2110 : ill <https://doi.org/10.1021/am4052188> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Solid-state NMR of a protein in a precipitated complex with a full-length antibody**

Lamley, Jonathan M.; Iuga, Dinu; Öster, Carl; Sass, Hans-Juergen; Rogowski, Marco; **Oss, Andres; Past, Jaan; Reinhold, Andres**; Grzesiek, Stephan; **Samoson, Ago**; Lewandowski, Jozef R. Journal of the American Chemical Society 2014 / p. 16800-16806 : ill <https://doi.org/10.1021/ja5069992> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sonogashira cross-coupling of 3-bromo-1,2-diones : an access to 3-alkynyl-1,2-diones**

**Paju, Anne; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Aid, Tiina; Pehk, Tõnis; Lopp, Margus** Tetrahedron 2014 / p. 5843-5848 : ill <https://doi.org/10.1016/j.tet.2014.06.037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Stereoselective synthesis of 1-methyl-1,2-and 1,3-cyclopentanediois via  $\gamma$ -lactones**

Niidu, Allan; **Paju, Anne; Müürisepp, Aleksander-Mati; Järving, Ivar; Kailas, Tiiu; Pehk, Tõnis; Lopp, Margus** Chemistry of heterocyclic compounds 2013 / p. 1751-1760 : ill <https://doi.org/10.1007/s10593-013-1206-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Synthesis and quantitative analysis of diastereomeric linked ester conjugates with remote stereocenters using high field NMR and chiral HPLC**

Doyle, Eva; Parve, Jaan; **Kudrjašova, Marina; Tamp, Sven; Müürisepp, Aleksander-Mati; Villo, Ly; Vares, Lauri; Pehk, Tõnis; Parve, Omar** Chirality 2013 / p. 793-798 : ill <https://doi.org/10.1002/chir.22217> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Tallinna tehnikaülikooli (tee)kaart**

**Samoson, Ago** Õpetajate Leht 2015 / lk. 12 <https://opleht.ee/2015/05/tallinna-tehnikaülikooli-teekaart/>

**Teadus teeb Nokiat : [uuest loodavast valitsuskoalitsioonist ja teadusest]**

**Samoson, Ago** Õpetajate Leht 2015 / lk. 10 <https://opleht.ee/2015/03/teadus-teeb-nokiat/>

**The effect of cytotoxin I and II from *Naja oxiana* is induced by polysaccharide levan in melanoma cells**

**Titma, Tiina** Toxicology letters 2016 / p. S136 <https://doi.org/10.1016/j.toxlet.2016.06.1532>

**The effect of outpatient mud and spa-therapies on the tissue perfusion measured with laser Doppler in work related upper extremities overuse syndromes**

Tuulik-Leisi, Varje-Riin; **Pille, Viive**; Tamm, Marje; Tuulik, Viuu; **Tint, Piia**; Tilk, Maria; Saarik, Silver; Vare, Talis Boletín de la Sociedad Española de Hydrologia Medica 2015 / p. 193-204 : ili

**The initiation of free radical peroxidation of low-density lipoproteins by glucose and its metabolite methylglyoxal: A common molecular mechanism of vascular wall injure in atherosclerosis and diabetes**

**Lankin, Vadim Z.; Konovalova, Galina G.**; Tikhaze, Alla K.; Shumaev, Konstantin; Kumskova, Elena; **Viigimaa, Margus** Molecular and cellular biochemistry 2014 / p. 241-252 : ill <https://doi.org/10.1007/s11010-014-2131-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Thermomyces lanuginosus lipase with closed lid catalyzes elimination of acetic acid from 11-acetyl-prostaglandin E2**

**Villo, Ly; Metsala, Andrus; Tamp, Sven**; Parve, Jaan; Vallikivi, Imre; **Järving, Ivar; Nigulas, Samel; Lille, Ülo; Pehk, Tõnis; Parve, Omar** ChemCatChem 2014 / p. 1998-2010 : ill <https://doi.org/10.1002/cctc.201400019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**3-Chlorooxindoles : versatile starting materials for asymmetric organocatalytic synthesis of spirooxindoles**

**Noole, Artur; Ošeka, Maksim; Pehk, Tõnis; Öeren, Mario; Järving, Ivar**; Elsegood, Mark R. J.; Malkov, Andrei; **Lopp, Margus; Kanger, Tõnis** Advanced synthesis and catalysis 2013 / p. 829-835 : ill [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](#)

**TTÜ Tehnomeedikum. Biomeditsiinitehnika instituut**

**Hinrikus, Hiie; Meigas, Kalju** Leiutajaid ja leiutisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 92-96 : ill [https://www.eester.ee/record=b2412718\\*est](https://www.eester.ee/record=b2412718*est)

**24-hour heart rate profile in assessment of target organs in women with arterial hypertension**

**Šipilova, Tatjana; Pšenišnikov, Igor; Karai, Deniss; Ripulk, E.; Kaik, Jüri** Kardiologiya 2013 / p. 45-50 <https://pubmed.ncbi.nlm.nih.gov/23548350/> [Journal metrics at Scopus](#) [Article at Scopus](#)

**User preferences for improving the estonian national e-Prescription service**

**Parv, Liisa**; Monkman, Helen; Laus, Raimo Context sensitive health informatics : many places, many users, many contexts, many uses 2015 / p. 15-19 : ill <https://doi.org/10.3233/978-1-61499-574-6-15> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Vasoactive peptide levels after change of dialysis mode**

**Uhlin, Nils Fredrik Arne**; Odar-Cederlöf, Ingegerd; Theodorsson, Elvar; Fernström, Anders Nephron Extra 2015 / p. 67 - 78 <https://doi.org/10.1159/000440816> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Work-related musculoskeletal symptoms in industrial workers and the effect of balneotherapy**

**Pille, Viive**; Tuulik-Leisi, Varje-Riin; Saarik, S.; **Tint, Piia**; Vare, Talis; **Sepper, Ruth** Agronomy research 2015 / p. 820-828

<https://www.cabidigitallibrary.org/doi/pdf/10.5555/20153188980> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Work-related musculoskeletal symptoms in industrial workers and the effect of balneotherapy [Electronic resource]**

**Pille, Viive**; Tuulik-Leisi, Varje-Riin; Saarik, S.; **Tint, Piia**; Vare, Talis; **Sepper, Ruth** 6th International Conference Biosystems

Engineering 2015 : 7-8 May 2015, Tartu, Estonia : book of abstracts 2015 / p. 114. [CD-ROM]

[http://bse.emu.ee/BSE2015\\_Book%20of%20ABSTRACTS\\_ISBN.pdf](http://bse.emu.ee/BSE2015_Book%20of%20ABSTRACTS_ISBN.pdf)