

#### **ABCE1 is essential for S phase progression in human cells**

Toompuu, Marina; Kärblane, Kairi; Pata, Pille; Truve, Erkki; Sarmiento Guerin, Maria Cecilia Cell Cycle 2016 / p. 1234 - 1247  
<https://doi.org/10.1080/15384101.2016.1160972> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Absolute quantification of viable bacteria abundances in food by next-generation sequencing : quantitative NGS of viable microbes**

Kallastu, Aili; Malv, Esther; **Aro, Valter**; Meikas, Anne; Vendelin, Mariann; **Kattel, Anna**; Nahku, Ranno; Kazantseva, Jekaterina Current Research in Food Science 2023 / art. 100443 <https://doi.org/10.1016/j.crfs.2023.100443> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Accelerated RNA-RNA hybridization by concentrated guanidinium thiocyanate solution in single-step RNA isolation : [letter to the editor]**

**Mölder, Triin; Speek, Mart** Biotechniques 2016 / p. 61-65 : ill <https://doi.org/10.2144/000114441> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Acoustic forward model for guided wave propagation and scattering in a pipe bend**

Rasgado Moreno, Carlos Omar; Rist, Marek; Land, Raul; Ratassepp, Madis Sensors 2022 / art. 486  
<https://doi.org/10.3390/s22020486> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Adaptive LINE-P : an adaptive linear energy prediction model for wireless sensor network nodes**

Ahmed, Faisal; **Tamberg, Gert; Le Moullec, Yannick; Annus, Paul** Sensors 2018 / art. 1105, 26 p. : ill  
<https://doi.org/10.3390/s18041105> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Adsorption and kinetics studies of Cr (VI) by graphene oxide and reduced graphene oxide-zinc oxide nanocomposite**

Naseem, Taiba; Bibi, Fozia; Arif, Saira; Waseem, Muhammad Adnan; Haq, Sirajul; Azra, Mohamad Nor; **Liblik, Taavi**; Zekker, Ivar Molecules 2022 / art. 7152, 16 p. : ill <https://doi.org/10.3390/molecules27217152> [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**

**Ayankojo, Akinrinade George**; Reut, Jekaterina; Nguyen, Vu Bao Chau; Boroznjak, Roman; Söritski, Vitali Biosensors 2022 / art. 441 <https://doi.org/10.3390/bios12070441> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Advancing drug–target interaction prediction: a comprehensive graph-based approach integrating knowledge graph embedding and ProtBert pretraining**

Djeddi, Warith Eddine; Hermi, Khalil; **Ben Yahia, Sadok**; Diallo, Gayo BMC Bioinformatics 2023 / art. 488, 41 p.: ill  
<https://doi.org/10.1186/s12859-023-05593-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Aerobic cascade oxidation of substituted cyclopentane-1,2-diones using metalloporphyrin catalysts**

**Maljutenko, Karolin; Borovkov, Victor; Kananovich, Dzmitry; Järving, Ivar; Lopp, Margus** Tetrahedron 2018 / p. 661–664 : ill  
<https://doi.org/10.1016/j.tet.2017.12.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Affinity of zinc and copper ions for insulin monomers**

**Gavrilova, Julia; Tõugu, Vello; Palumaa, Peep** Metallomics 2014 / p. 1296-1300 : ill <https://doi.org/10.1039/c4mt00059e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Aggregation of phosphate and 1-tetradecyl-3-methylimidazolium chloride background electrolytes during micellar electrokinetic chromatography**

**Kazarjan, Jana; Vaher, Merike; Kaljurand, Mihkel** Electrophoresis 2015 / p. 1040–1042 : ill <https://doi.org/10.1002/elps.201400448> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **An alignment-based implementation of a holistic ontology integration method**

Osman, Ines; **Pileggi, Salvatore Flavio; Ben Yahia, Sadok**; Diallo, Gayo MethodsX 2021 / art. 101460, p. 1–29  
<https://doi.org/10.1016/j.mex.2021.101460> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **ALMT-independent guard cell R-type anion currents**

Jaslan, Justyna; Marten, Irene; Jakobson, Liina; Arjus, Triinu; Deeken, Rosalia; **Sarmiento Guerin, Maria Cecilia**; De Angeli, Alexis; Brosche, Mikael; Kollist, Hannes; Hedrich, Rainer New phytologist 2023 / p. 2225-2234 <https://doi.org/10.1111/nph.19124> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Altered calcium handling in cardiomyocytes from arginine-glycine amidinotransferase-knockout mice is rescued by creatine**

**Laasmaa, Martin; Branovets, Jelena; Barsunova, Karina; Karro, Niina**; Lygate, Craig A.; **Birkedal Nielsen, Rikke; Vendelin, Marko** American journal of physiology-heart and circulatory physiology 2020 / p. H805-H825 <https://doi.org/10.1152/ajpheart.00300.2020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Altered expression profile of igLON family of neural cell adhesion molecules in the dorsolateral prefrontal cortex of schizophrenic patients**

Karis, Karina; Eskla, Kattri-Liis; Kaare, Maria; Täht, Karin; Tuusov, Jana; Visnapuu, Tanel; Innos, Jürgen; **Timmusk, Tõnis** *Frontiers in Molecular Neuroscience* 2018 / art. 8 <https://doi.org/10.3389/fnmol.2018.00008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Alternative splicing of DENND1A, a PCOS candidate gene, generates variant 2**

Tee, Meng Kian; **Speek, Mart**; Legeza, Balazs *Molecular and cellular endocrinology* 2016 / p. 25-35 : ill <https://doi.org/10.1016/j.mce.2016.06.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Amino acids are key substrates to Escherichia coli BW25113 for achieving high specific growth rate**

**Maser, Andres; Peebo, Karl**; Vilu, Raivo; **Nahku, Ranno** *Research in microbiology* 2020 / p. 185–193 <https://doi.org/10.1016/j.resmic.2020.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Amphiphilic glycosylated block copolypeptides as macromolecular surfactants in the emulsion polymerization of styrene**

Jacobs, Jaco; **Gathergood, Nicholas**; Heuts, Johan P. A.; Heise, Andreas *Polymer chemistry* 2015 / p. 4634–4640 : ill <https://doi.org/10.1039/C5PY00548E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An electrochemical biosensor for direct detection of hepatitis C virus**

**Antipchik, Mariia**; Korzhikova-Vlakh, Evgenia; Polyakov, Dmitry; Tarasenko, Irina; **Reut, Jekaterina**; **Õpik, Andres**; **Sõritski, Vitali** *Analytical Biochemistry* 2021 / art. 114196 <https://doi.org/10.1016/j.ab.2021.114196> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An in situ study of bioenergetic properties of human colorectal cancer: The regulation of mitochondrial respiration and distribution of flux control among the components of ATP synthasome**

Kaldma, Andrus; Klepinin, Aleksandr; Chekulayev, Vladimir; Mado, Kati; Shevchuk, Igor; Timohhina, Natalja; Tepp, Kersti; Kandashvili, Manana; **Planken, Margus**; **Truu, Laura** *International journal of biochemistry and cell biology* 2014 / p. 171–186 : ill <https://doi.org/10.1016/j.biocel.2014.09.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Andrographolide, a diterpene lactone from Andrographis paniculata and its therapeutic promises in cancer**

Islam, Muhammad Torequl; Ali, Eunüs S.; Uddin, Shaikh Jamal; **Gupta, Vijai Kumar** *Cancer letters* 2018 / p. 129–145 : ill <https://doi.org/10.1016/j.canlet.2018.01.074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Antibody response to oral biofilm is a biomarker for acute coronary syndrome in periodontal disease**

**Jaago, Mariliis**; Pupina, Nadežda; **Rähni, Annika**; Pihlak, Arno; **Sadam, Helle**; Vrana, Nihal Engin; Sinisalo, Juha; Pussinen, Pirkko; **Palm, Kaia** *Communications biology* 2022 / art. 205, 10 p. : ill <https://doi.org/10.1038/s42003-022-03122-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Antifungal agents in agriculture : friends and foes of public health**

Brauer, Veronica Soares; Rezende, Caroline Patini; Pessoni, Andre Moreira; De Paula, Renato Graciano; Rangappa, Kanchugarakoppal S.; Nayaka, Siddaiah Chandra; **Gupta, Vijai Kumar**; Almeida, Fausto *Biomolecules* 2019 / art. 521 <https://doi.org/10.3390/biom9100521> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Antimicrobial particles based on Cu<sub>2</sub>ZnSnS<sub>4</sub> monograins**

Žalneravicius, Rokas; Pakštas, Vidas; Grinciene, Giedre; Klimas, Vaclovas; Paškevičius, Algimantas; **Timmo, Kristi**; **Kauk-Kuusik, Marit**; Franckevicius, Marius; Niaura, Gediminas; Talaikis, Martynas; Jagminas, Arunas; Ramanavicius, Arunas *Colloids and Surfaces B: Biointerfaces* 2023 / art. 113275 <https://doi.org/10.1016/j.colsurfb.2023.113275> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Anti-osteoclastic effects of C-glucosidic ellagitannins mediated by actin perturbation**

Georgess, Dan; **Spuul, Pirjo**; Le Clainche, Cristophe *European journal of cell biology* 2018 / p. 533–545 : ill <https://doi.org/10.1016/j.ejcb.2018.09.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Antioxidative CXXC peptide motif from mesencephalic astrocyte-derived neurotrophic factor antagonizes programmed cell death**

**Božok, Valentina**; Yu, Li-Ying; **Palgi, Jaan**; **Arumäe, Urmas** *Frontiers in cell and developmental biology* 2018 / 15 p. : ill <https://doi.org/10.3389/fcell.2018.00106> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Apolipoprotein C-II : the re-emergence of a forgotten factor**

Wolska, Anna; **Reimund, Mart**; Remaley, Alan T. *Current opinion in lipidology* 2020 / p. 147–153 <https://doi.org/10.1097/MOL.0000000000000680> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Apolipoprotein C-II mimetic peptide is an efficient activator of lipoprotein lipase in human plasma as studied by a calorimetric approach**

**Reimund, Mart**; Wolska, Anna; **Risti, Robert**; Wilson, Sierra; Sviridov, Denis O.; Remaley, Alan T.; **Lõokene, Aivar** *Biochemical and biophysical research communications* 2019 / p. 67–72 <https://doi.org/10.1016/j.bbrc.2019.08.130> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Apolipoproteins C-I and C-III inhibit lipoprotein lipase activity by displacement of the enzyme from lipid droplets**

Larsson, Mikael; Vorrsjö, Evelina; Talmund, Philippa; **Löökene, Aivar**; Olivecrona, Gunilla Journal of biological chemistry 2013 / p. 33997-34008 : ill <https://doi.org/10.1074/jbc.M113.495366> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Aqueous bromide oxidized with pulsed corona discharge**

**Petrotsenko, Irina; Preis, Sergei** Journal of electrostatics 2024 / art. 103978, 9 p. : ill <https://doi.org/10.1016/j.elstat.2024.103978> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessing hemodynamics from the photoplethysmogram to gain insights into vascular age : a review from VascAgeNet**

Charlton, Peter H.; Paliakaite, Birute; **Pilt, Kristjan**; Bachler, Martin; Zanelli, Serena; Kulin, Daniel; Allen, John; Hallab, Magid; Bianchini, Elisabetta; Mayer, Christopher C. American journal of physiology-heart and circulatory physiology 2022 / p. H493-H522 <https://doi.org/10.1152/ajpheart.00392.2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of bioavailable B vitamin content in food using in vitro digestibility assay and LC-MS SIDA**

**Paalme, Toomas; Vilbaste, Allan**; Kevvai, Kaspar; **Nisamedtinov, Ildar**; Hälvin, Kristel Analytical and bioanalytical chemistry 2017 / p. 6475-6484 : tab <https://doi.org/10.1007/s00216-017-0592-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of blood contamination in biological fluids using MALDI-TOF MS**

**Laks, Katrina; Kirsipuu, Tiina; Dmitrijeva, Tuuli; Salumets, Andres; Palumaa, Peep** The protein journal 2016 / 171-176 <https://doi.org/10.1007/s10930-016-9657-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Assessment of the applicability of the Pay As You Throw system into current waste management in Estonia**

**Voronova, Viktoria; Piirimäe, Kristjan; Virve, Mailis** Management of environmental quality : an international journal 2013 / p. 667-681 : ill <https://doi.org/10.1108/MEQ-09-2012-0061> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Association between chemical mixtures and female fertility in women undergoing assisted reproduction in Sweden and Estonia**

Bellavia, Andrea; Zou, Runyu; Bjorvang, Richelle D.; **Roos, Kristine**; Sjunnesson, Ylva; Hallberg, Ida; Vermeulen, Roel; Salumets, Andres; **Velthut-Meikas, Agne**; Damdimopoulou, Paulina Environmental research 2023 / art. 114447, 14 p. : ill <https://doi.org/10.1016/j.envres.2022.114447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Association of BMI, lipid-lowering medication, and age with prevalence of type 2 diabetes in adults with heterozygous familial hypercholesterolaemia: a worldwide cross-sectional study**

Elshorbagy, Amany; Lyons, Alexander R.M.; Vallejo-Vaz, Antonio J.; Stevens, Christophe A.T.; Dharmayat, Kanika Inamdar; Brandts, Julia; Catapano, Alberico L.; Freiburger, Tomas; Hovingh, Gerard Kees Cornelis; **Viigimaa, Margus** The Lancet Diabetes and Endocrinology 2024 / p. 811-823 [https://doi.org/10.1016/S2213-8587\(24\)00221-3](https://doi.org/10.1016/S2213-8587(24)00221-3) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Association of the cystatin C/creatinine ratio with the renally cleared hormones parathyroid hormone (PTH) and brain natriuretic peptide (BNP) in primary care patients : a cross-sectional study**

Risch, Martin; Risch, Lorenz; **Purde, Mette**; Renz, Harald; Ambühl, Patrice; Szucs, Thomas; Tomonaga, Yuki Scandinavian Journal of Clinical and Laboratory Investigation 2016 / p. 379 - 385 <https://doi.org/10.1080/00365513.2016.1183262> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Asymmetric organocatalytic wittig [2,3]-rearrangement of oxindoles**

**Ošeka, Maksim; Kimm, Mariliis; Kaabel, Sandra; Järving, Ivar**; Rissanen, Kari; **Kanger, Tõnis** Organic letters 2016 / p. 1358-1361 : ill <https://doi.org/10.1021/acs.orglett.6b00291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Asymmetric synthesis of the 2,2,3-trisubstituted cyclopentanone, D-ring fragment of 9,11-secosterols**

**Kõllo, Marek; Aav, Riina; Tamp, Sven**; Jarvet, Jüri; **Lopp, Margus** Tetrahedron 2014 / p. 6723-6727 : ill <https://doi.org/10.1016/j.tet.2014.07.079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Asymmetric synthesis with titanacyclopropane reagents : From early results to the recent achievements**

Konik, Yulia A.; **Kananovich, Dzmitry** Tetrahedron letters 2020 / art. 152036, 12 p. : ill <https://doi.org/10.1016/j.tetlet.2020.152036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**ATP7A-dependent copper sequestration contributes to termination of  $\beta$ -CATENIN signaling during early adipogenesis**

Yang, Haojun; **Kabin, Ekaterina**; Dong, Yixuan; Zhang, X.; Ralle, Martina; Lutsenko, Svetlana Molecular metabolism 2024 / art. 101872, 12 p. : ill <https://doi.org/10.1016/j.molmet.2024.101872> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Walsh, Ian; Fishman, Dmytro; Garcia-Gasulla, Dario; **Titma, Tiina**; Pollastri, Gianluca Nature methods 2021 / p. 1409–1410 : ill  
<https://doi.org/10.1038/s41592-021-01304-2> Journal metrics at Scopus Article at Scopus

**Author Correction: A deep learning system accurately classifies primary and metastatic cancers using passenger mutation patterns (Nature Communications, (2020), 11, 1, (728), 10.1038/s41467-019-13825-8)**

Jiao, Wei; Atwal, Gurnit; Polak, Paz; Karlic, Rosa; Cuppen, Edwin; Al-Shahrour, Fatima; Bailey, Peter J.; Biankin, Andrew V.; Boutros, Paul C.; **Uusküla-Reimand, Liis** Nature Communications 2022 / Art. 7573 <https://doi.org/10.1038/s41467-022-32329-6> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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

**Author Correction: Combined burden and functional impact tests for cancer driver discovery using DriverPower (Nature Communications, (2020), 11, 1, (734), 10.1038/s41467-019-13929-1)**

Shuai, Shimin; Abascal, Federico; Amin, Samirkumar B.; Bader, Gary D.; Bandopadhyay, Pratiti; Barenboim, Jonathan; Beroukhim, Rameen; Bertl, Johanna; Boroevich, Keith A.; **Uusküla-Reimand, Liis** Nature Communications 2022 / art. 7571  
<https://doi.org/10.1038/s41467-022-32343-8> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Author Correction: Comprehensive analysis of chromothripsis in 2,658 human cancers using whole-genome sequencing (Nature Genetics, (2020), 52, 3, (331-341), 10.1038/s41588-019-0576-7)**

Cortés-Ciriano, Isidro; Lee, Jake June-Koo; Xi, Ruibin; Jain, Dhawal; Jung, Youngsook Lucy; Yang, Lixing; Gordenin, Dmitry A.; Klimczak, Leszek J.; Zhang, Cheng-Zhong; Pellman, David S.; Akdemir, Kadir Caner; Alvarez, Eva Garcia; **Uusküla-Reimand, Liis** Nature Genetics 2023 / p. 1076 <https://doi.org/10.1038/s41588-023-01315-z> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Author Correction: Comprehensive molecular characterization of mitochondrial genomes in human cancers (Nature Genetics, (2020), 52, 3, (342-352), 10.1038/s41588-019-0557-x)**

Yuan, Yuan; Ju, Young Seok; Kim, Youngwook; Li, Jun; Wang, Yumeng; Yoon, Christopher J.; Yang, Yang; Martincorena, Inigo; Creighton, Chad J.; Weinstein, John N.; Xu, Yanxun; Han, Leng; **Uusküla-Reimand, Liis** Nature Genetics 2023 / p. 892  
<https://doi.org/10.1038/s41588-020-0629-y> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Author Correction: Comprehensive molecular characterization of mitochondrial genomes in human cancers (Nature Genetics, (2020), 52, 3, (342-352), 10.1038/s41588-019-0557-x)**

Yuan, Yuan; Ju, Young Seok; Kim, Youngwook; Li, Jun; Wang, Yumeng; Yoon, Christopher J.; Yang, Yang; Martincorena, Inigo; Creighton, Chad J.; Weinstein, John N.; Xu, Yanxun; Han, Leng; **Uusküla-Reimand, Liis** Nature Genetics 2023 / p. 1078  
<https://doi.org/10.1038/s41588-023-01317-x> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Author Correction: Disruption of chromatin folding domains by somatic genomic rearrangements in human cancer (Nature Genetics, (2020), 52, 3, (294-305), 10.1038/s41588-019-0564-y)**

Akdemir, Kadir Caner; Le, Victoria T.; Chandran, Sahaana; Li, Yilong; Verhaak, Roel G.W.; Beroukhim, Rameen; Campbell, Peter J.; Chin, Lynda; Dixon, Jesse R.; Futreal, Phillip Andrew; Akdemir, Kadir Caner; Alvarez, Eva Garcia; **Uusküla-Reimand, Liis** Nature Genetics 2023 / p. 1079 <https://doi.org/10.1038/s41588-023-01318-w> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Author Correction: Divergent mutational processes distinguish hypoxic and normoxic tumours (Nature Communications, (2020), 11, 1, (737), 10.1038/s41467-019-14052-x)**

Bhandari, Vinayak; Li, Constance H.; Bristow, Robert G.; Boutros, Paul C.; Aaltonen, Lauri A.; Abascal, Federico; Abeshouse, Adam; Aburatani, Hiroyuki; Adams, David J.; **Uusküla-Reimand, Liis** Nature Communications 2022 / Art. nr. 7569  
<https://doi.org/10.1038/s41467-022-32339-4> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Author Correction: Genomic footprints of activated telomere maintenance mechanisms in cancer (Nature Communications, (2020), 11, 1, (733), 10.1038/s41467-019-13824-9)**

Sieverling, Lina; Hong, Chen; Koser, Sandra D.; Ginsbach, Philip; Kleinheinz, Kortine; Hutter, Barbara; Braun, Delia M.; Cortés-Ciriano, Isidro; Xi, Ruibin; **Uusküla-Reimand, Liis** Nature Communications 2022 / Art. nr. 7574 <https://doi.org/10.1038/s41467-022-32328-7> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Author Correction: High-coverage whole-genome analysis of 1220 cancers reveals hundreds of genes deregulated by rearrangement-mediated cis-regulatory alterations (Nature Communications, (2020), 11, 1, (736), 10.1038/s41467-019-13885-w)**

Zhang, Yiqun; Chen, Fengju; Fonseca, Nuno A.; He, Yao; Fujita, Masashi; Nakagawa, Hidewaki; Zhang, Zemin; Brazma, Alvis; Amin, Samirkumar B.; **Uusküla-Reimand, Liis** Nature Communications 2022 / Art. nr. 7572 <https://doi.org/10.1038/s41467-022-32333-w> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Author Correction: Inferring structural variant cancer cell fraction (Nature Communications, (2020), 11, 1, (730), 10.1038/s41467-020-14351-8)**

Cmero, Marek; Yuan, Ke; Ong, Cheng Soon; Schröder, Jan; Adams, David J.; Anur, Pavana; Beroukhi, Rameen; Boutros, Paul C.; Bowtell, David D. L.; **Uusküla-Reimand, Liis** Nature Communications 2022 / Art. nr 7568 <https://doi.org/10.1038/s41467-022-32338-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Author Correction: Integrative pathway enrichment analysis of multivariate omics data (Nature Communications, (2020), 11, 1, (735), 10.1038/s41467-019-13983-9)**

Paczowska, Marta; Barenboim, Jonathan; Sintupisut, Nardnisa; Fox, Natalie S.; Zhu, Helen; Abd-Rabbo, Diala; Mee, Miles W.; Boutros, Paul C.; Abascal, Federico; **Uusküla-Reimand, Liis** Nature Communications 2022 / Art. nr 7570 <https://doi.org/10.1038/s41467-022-32342-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Author Correction: Pan-cancer analysis of whole genomes identifies driver rearrangements promoted by LINE-1 retrotransposition (Nature Genetics, (2020), 52, 3, (306-319), 10.1038/s41588-019-0562-0)**

Rodriguez-Martin, Bernardo; Alvarez, Eva Garcia; Baez-Ortega, Adrian; Zamora, Jorge; Supek, Fran; Demeulemeester, Jonas; Santamarina, Martin; Temes, Javier; Garcia-Souto, Daniel; Detering, Harald; Li, Yilong; Rodriguez-Castro, Jorge; **Uusküla-Reimand, Liis** Nature Genetics 2023 / p. 1080 <https://doi.org/10.1038/s41588-023-01319-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Author Correction: Pathway and network analysis of more than 2500 whole cancer genomes (Nature Communications, (2020), 11, 1, (729), 10.1038/s41467-020-14367-0)**

Reyna, Matthew A.; Haan, David; Paczowska, Marta; Verbeke, Lieven P. C.; Vazquez, Miguel; Kahraman, Abdullah; Pulido-Tamayo, Sergio; Barenboim, Jonathan; Wadi, Lina; **Uusküla-Reimand, Liis** Nature Communications 2022 / Art. nr. 7566 <https://doi.org/10.1038/s41467-022-32334-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Author Correction: Reconstructing evolutionary trajectories of mutation signature activities in cancer using TrackSig (Nature Communications, (2020), 11, 1, (731), 10.1038/s41467-020-14352-7)**

Rubanova, Yulia; Shi, Ruian; Harrigan, Caitlin F.; Li, Roujia; Wintersinger, Jeff; Sahin, Nil; Deshwar, Amit G.; Dentre, Stefan C.; Leshchiner, Ignaty; **Uusküla-Reimand, Liis** Nature Communications 2022 / Art. nr. 7567 <https://doi.org/10.1038/s41467-022-32336-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Author Correction: Retrospective evaluation of whole exome and genome mutation calls in 746 cancer samples (Nature Communications, (2020), 11, 1, (4748), 10.1038/s41467-020-18151-y)**

Bailey, Matthew H.; Meyerson, William U.; Dursi, Lewis Jonathan; Wang, Liang-Bo; Dong, Guanlan; Liang, Wen-Wei; Weerasinghe, Amila; Li, Shantao; Li, Yize; **Uusküla-Reimand, Liis** Nature Communications 2020 / Art. nr. 6232 <https://doi.org/10.1038/s41467-020-20128-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Author Correction: SciPy 1.0 : fundamental algorithms for scientific computing in Python (Nature Methods, (2020), 17, 3, (261-272), 10.1038/s41592-019-0686-2)**

Virtanen, Pauli; Gommers, Ralf; Oliphant, Travis E.; Haberland, Matt; Reddy, Tyler; Cournapeau, David; Burovski, Evgeni; **Peterson, Pearu**; Weckesser, Warren; Bright, Jonathan Nature Methods 2020 / p. 352 <https://doi.org/10.1038/s41592-020-0772-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

**Author Correction: The landscape of viral associations in human cancers (Nature Genetics, (2020), 52, 3, (320-330), 10.1038/s41588-019-0558-9)**

Zapatka, Marc; Borozan, Ivan; Brewer, Daniel S.; Iskar, Murat; Grundhoff, Adam; Alawi, Malik; Desai, Nikita; Sülthmann, Holger; Moch, Holger; Cooper, Colin S.; Eils, Roland; Ferretti, Vincent; **Uusküla-Reimand, Liis** Nature Genetics 2023 / p. 1077 <https://doi.org/10.1038/s41588-023-01316-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Automatic calibration module for an urban drainage system model**

Annus, Ivar; Vassiljev, Anatoli; Kändler, Nils; Kaur, Katrin Water 2021 / art. 1419 <https://doi.org/10.3390/w13101419> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Automatic detection of multisize pulmonary nodules in CT images : large-scale validation of the false-positive reduction step**

Gupta, Anindya; Saar, Tönis; Märten, Olev; Le Moullec, Yannick Medical physics 2018 / p. 1135-1149 : ill <https://doi.org/10.1002/mp.12746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Autosampler for portable capillary electrophoresis**

Ružicka, Martin; Kaljurand, Mihkel; Gorbats'ova, Jelena; Mazina-Šinkar, Jekaterina Journal of chromatography A 2022 / art. 463619 <https://doi.org/10.1016/j.chroma.2022.463619> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Berberine, a popular dietary supplement for human and animal health : quantitative research literature analysis – a review**

Yeung, Andy Wai Kan; Orhan, Ilkay Erdogan; Aggarwal, Bharat Bhushan; Battino, Maurizio; Belwal, Tarun; Bishayee, Anupam; Daglia, Maria; Devkota, Hari Prasad; El-Demerdash, Amr; Balacheva, Aneliya A.; Georgieva, Maya G.; **Gupta, Vijai Kumar** Animal Science

### **BIAS : a regional management of underwater sound in the Baltic Sea**

Sigray, Peter; Andersson, Mathias; Pajala, Jukka; **Laanearu, Janek; Klauson, Aleksander** The effects of noise on aquatic life II 2016 / p. 1015-1023 : ill [https://doi.org/10.1007/978-1-4939-2981-8\\_126](https://doi.org/10.1007/978-1-4939-2981-8_126) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

### **Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review**

**Kumar, Rahul, 1993-; Rezapourianghahfarokhi, Mansoureh;** Rahmani Ahranjani, Ramin; **Maurya, Himanshu Singh; Kamboj, Nikhil Kumar; Hussainova, Irina** Biomimetics 2024 / art. 209 <https://doi.org/10.3390/biomimetics9040209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bioinspired whisker sensor for 3D mapping of underground mining environments**

Gomez, Virgilio; **Remmas, Mohamed Walid;** Hernando, Miguel; **Ristolainen, Asko;** Rossi, Claudio Biomimetics 2024 / art. 83 <https://doi.org/10.3390/biomimetics9020083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The biomolecular spectrum drives microbial biology and functions in agri-food-environments**

Sharma, Minaxi; Singh, Dhananjaya Pratap; Rangappa, Kanchugarakoppal S.; Stadler, Marc; Mishra, Pradeep Kumar; Silva, Roberto Nascimento; Prasad, Ram; **Gupta, Vijai Kumar** Biomolecules 2020 / art. 401 <https://doi.org/10.3390/biom10030401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Biophysical studies of the amyloid beta-peptide : interactions with metal ions and small molecules**

Wärmländer, Sebastian K.T.S.; **Tiiman, Ann;** Abelein, Axel Chembiochem : a European journal of chemical biology 2013 / p. 1692-1704 : ill <https://doi.org/10.1002/cbic.201300262> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bioprospecting microalgae from natural algal bloom for sustainable biomass and biodiesel production**

Pandey, Manish K.; Dasgupta, Chitralekha Nag; Mishra, Shashank; Srivastava, Manish; **Gupta, Vijai Kumar;** Suseela, M.R.; Ramteke, Pramod Wasudeo Applied Microbiology and Biotechnology 2019 / p. 5447 - 5458 <https://doi.org/10.1007/s00253-019-09856-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bio-recalcitrant pollutants removal from wastewater with combination of the Fenton treatment and biological oxidation**

**Trapido, Marina;** Tenno, Taavo; **Goi, Anna; Dulova, Niina; Kattel, Eneliis; Klauson, Deniss;** Klein, Kati; Tenno, Toomas; **Viisimaa, Marika** Journal of water process engineering 2017 / p. 277-282 : ill <https://doi.org/10.1016/j.jwpe.2017.02.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Biotechnological advances for restoring degraded land for sustainable development**

Tripathi, Vishal; Edrisi, Sheikh Adil; Chen, Bin; **Gupta, Vijai Kumar; Vilu, Raivo; Gathergood, Nicholas;** Abhilash, P.C. Trends in biotechnology 2017 / p. 847-859 : ill <https://doi.org/10.1016/j.tibtech.2017.05.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Blood pressure and LDL-cholesterol targets for prevention of recurrent strokes and cognitive decline in the hypertensive patient: Design of the European Society of Hypertension-Chinese Hypertension League Stroke in Hypertension Optimal Treatment randomized trial**

Zanchetti, Alberto; Liu, Lisheng; Mancina, Giuseppe; Parati, Gianfranco; Grassi, Guido; Stramba-Badiale, Marco; Silani, Vincenzo; Bilo, Grzegorz; Corrao, Giovanni; **Viigimaa, Margus** Journal of hypertension 2014 / p. 1888-1897 <https://doi.org/10.1097/HJH.0000000000000254> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Blood pressure and low-density lipoprotein-cholesterol lowering for prevention of strokes and cognitive decline: A review of available trial evidence**

Zanchetti, Alberto; Liu, Lisheng; Mancina, Giuseppe; Parati, Gianfranco; Grassi, Guido; Stramba-Badiale, Marco; Silani, Vincenzo; Bilo, Grzegorz; Corrao, Giovanni; **Viigimaa, Margus** Journal of hypertension 2014 / p. 1741-1750 <https://doi.org/10.1097/HJH.0000000000000253> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **1-butyl-3-methylimidazolium chloride assisted electrospinning of SAN/MWCNTs conductive reinforced composite membranes**

**Gudkova, Viktoria; Krumme, Andres; Märtson, Triin; Rikko, M.; Tarasova, Elvira; Savest, Natalja; Viirsalu, Mihkel** Journal of electrostatics 2015 / p. 11-16 : ill <https://doi.org/10.1016/j.elstat.2015.09.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bovine sperm plasma membrane proteomics through biotinylation and subcellular enrichment**

Kasvandik, Sergio; Sillaste, Gerly; **Velthut-Meikas, Agne;** Mikelsaar, Aavo-Valdur; Hallap, Triin; Padrik, Peeter; Tenson, Tanel; Jaakma, Ülle; Kõks, Sulev; Salumets, Andres Proteomics 2015 / p. 1906 - 1920 <https://doi.org/10.1002/pmic.201400297> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **B-plexins control microtubule dynamics and dendrite morphology of hippocampal neurons**

**Laht, Piret**; Otsus, Maarja; Remm, Jaanus; **Veske, Andres** Experimental cell research 2014 / p. 174-184 : ill

<https://doi.org/10.1016/j.yexcr.2014.06.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bridging the gap in technology transfer for advanced process control with industrial applications**

**Vansovitš, Vitali**; **Petlenkov, Eduard**; **Tepljakov, Aleksei**; **Vassiljeva, Kristina**; **Belikov, Juri** Sensors 2022 / art. 4149

<https://doi.org/10.3390/s22114149> [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](#)

### **Business process optimization based on logistics concepts and technologies**

**Prokopenko, Olha**; Dikiy, Alexander; Butenko, Nataliia; Naumenko, Mariya; Dedilova, Tetiana; Miroshnyk, Roman International journal of advanced research in engineering and technology 2020 / p. 184-196

[http://www.iaeme.com/MasterAdmin/Journal\\_uploads/IJARET/VOLUME\\_11\\_ISSUE\\_6/IJARET\\_11\\_06\\_017.pdf](http://www.iaeme.com/MasterAdmin/Journal_uploads/IJARET/VOLUME_11_ISSUE_6/IJARET_11_06_017.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **C/N ratio and carbon source-dependent lipid production profiling in Rhodotorula toruloides**

**Lopes, Helberth Júnior Santos**; **Bonturi, Nemailla**; Kerkhoven, Eduard Johannes; Miranda, Everson Alves; **Lahtvee, Petri-Jaan**

Applied Microbiology and Biotechnology 2020 / p. 2639 - 2649 <https://doi.org/10.1007/s00253-020-10386-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **C3-symmetric opioid scaffolds are pH-responsive DNA condensation agents**

McStay, Natasha; Molphy, Zara; Coughlan, Alan; Cafolla, Attilio; McKee, Vickie; **Gathergood, Nicholas**; Kellett, Andrew Nucleic

acids research 2017 / p. 527-540 : ill <https://doi.org/10.1093/nar/gkw1097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Calcium, Barium and Strontium apatites : a new generation of catalysts in the Biginelli reaction**

Ben Moussa, Sana; Lachheb, Jalel; Gruselle, Michel; **Maaten, Birgit**; **Kriis, Kadri**; **Kanger, Tõnis**; **Tõnsuaadu, Kaia**; Badraoui,

Bechir Tetrahedron 2017 / p. 6542-6548 : ill <https://doi.org/10.1016/j.tet.2017.09.051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Calorimetric approach for comparison of Angiopoietin-like protein 4 with other pancreatic lipase inhibitors**

**Villo, Ly**; **Risti, Robert**; **Reimund, Mart**; **Kukk, Kaia**; **Samel, Nigulas**; **Lõokene, Aivar** Biochimica et Biophysica Acta (BBA) -

Molecular and Cell Biology of Lipids 2020 / art. 158553, 12 p. : ill <https://doi.org/10.1016/j.bbalip.2019.158553> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Can selenium levels act as a marker of colorectal cancer risk?**

Lener, Marcin R.; **Kulp, Maria**; **Viitak, Anu** BMC cancer 2013 / p. 1-6 : ill <https://doi.org/10.1186/1471-2407-13-214> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cancer LncRNA Census reveals evidence for deep functional conservation of long noncoding RNAs in tumorigenesis**

Carlevaro-Fita, Joan; Lanzós, Andrés; Feuerbach, Lars; Hong, Chen; Mas-Ponte, David; Pedersen, Jakob Skou; Abascal, Federico; Amin, Samirkumar B.; Johnson, Rory; **Uusküla-Reimand, Liis** Communications Biology 2020 / Art. nr. 56

<https://doi.org/10.1038/s42003-019-0741-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cancer sniffer dogs : how can we translate this peculiarity in laboratory medicine? Results of a pilot study on gastrointestinal cancers**

Panebianco, Concetta; **Kelman, Edgar**; **Vene, Kristel**; Gioffreda, Domenica; Tavano, Francesca; **Vilu, Raivo**; Terracciano, Fulvia;

**Pata, Illar**; **Adamberg, Kaarel**; Andriulli, Angelo; Paziienza, Valerio Clinical chemistry and laboratory medicine (CCLM) 2017 / p.

138-146 : ill <https://doi.org/10.1515/cclm-2016-1158> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Candidate cancer driver mutations in distal regulatory elements and long-range chromatin interaction networks**

Zhu, Helen; **Uusküla-Reimand, Liis**; Isaev, Keren; Wadi, Lina; Alizada, Azad; Shuai, Shimin; Huang, Vincent; Aduloso-Nwaobasi,

Dike; Paczkowska, Marta; Abd-Rabbo, Diala; Ocsenas, Oliver; Liang, Minggao; Thompson, J. Drew; Li, Yao; Ruan, Luyao;

Krassowski, Michal; Dzieladze, Irakli; Simpson, Jared T.; Lupien, Mathieu; Stein, Lincoln D.; Boutros, Paul C.; Wilson, Michael D.; Reimand, Jüri Molecular Cell 2020 / p. 1307-1321.e10 <https://doi.org/10.1016/j.molcel.2019.12.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Capacitance-to-digital: A single chip detector for capillary electrophoresis**

Drevinskas, Tomas; **Kaljurand, Mihkel**; Maruška, Audrius Electrophoresis 2014 / p. 2401-2407 : ill

<https://doi.org/10.1002/elps.201300468> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Capillary electrophoresis as a monitoring tool for flow composition determination**

**Kaljurand, Mihkel**; **Saar-Reismaa, Piret**; **Vaher, Merike**; **Gorbatšova, Jelena**; **Mazina-Šinkar, Jekaterina** Molecules 2021 / art.

4918, 12 p. : ill <https://doi.org/10.3390/molecules26164918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Capillary electrophoretic study of the synergistic biological effects of alkaloids from *Chelidonium majus* L. in normal and cancer cells**

**Kulp, Maria; Bragina, Olga** Analytical and bioanalytical chemistry 2013 / p. 3391-3397 : ill <https://doi.org/10.1007/s00216-013-6755-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Carbon sources influence Fumonisin production in *Fusarium proliferatum***

Li, Taotao; Gong, Liang; Jiang, Guoxiang; Wang, Yong; **Gupta, Vijai Kumar**; Qu, Hongxia; Duan, Xuewu; Wang, Jiasheng; Jiang, Yueming Proteomics 2017 / art. 1700070, 15 p. : ill <https://doi.org/10.1002/pmic.201700070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**13C- and 15N-labeling of amyloid- $\beta$  and inhibitory peptides to study their interaction via nanoscale infrared spectroscopy**

Paul, Suman; Jeniřtová, Adéla; Vosough, Faraz; **Berntsson, Elina**; Mörmann, Cecilia; Jarvet, Jüri; Gräslund, Astrid; Wärländer, Sebastian K.T.S.; Barth, Andreas Communications Chemistry 2023 / art. 163 <https://doi.org/10.1038/s42004-023-00955-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cardiac expression and location of hexokinase changes in a mouse model of pure creatine deficiency**

**Branovets, Jelena; Karro, Niina; Barsunova, Karina; Laasmaa, Martin**; Lygate, Craig A.; **Vendelin, Marko**; **Birkedal Nielsen, Rikke** American journal of physiology-heart and circulatory physiology 2021 / p. H613-H629 <https://doi.org/10.1152/ajpheart.00188.2020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cardiomyocytes from female compared to male mice have larger ryanodine receptor clusters and higher calcium spark frequency**

**Laasmaa, Martin; Branovets, Jelena; Stolova, Jekaterina**; Shen, Xin; **Rätsepso, Triinu**; **Balodis, Mihkel Jaan**; **Grahv, Cärolin**; **Hendrikson, Eliise**; Louch, William Edward; **Birkedal Nielsen, Rikke**; **Vendelin, Marko** Journal of Physiology 2023 / p. 4033-4052 : ill <https://doi.org/10.1113/JP284515> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Case-control study on occupational exposure to extremely low-frequency electromagnetic fields and the association with acoustic neuroma**

Carlberg, Michael; **Koppel, Tarmo**; Ahonen, Mikko; Hardell, Lennart Environmental research 2020 / art. 109621, 7 p. : ill <https://doi.org/10.1016/j.envres.2020.109621> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Case-Control study on occupational exposure to extremely low-frequency electromagnetic fields and the association with meningioma**

Carlberg, Michael; **Koppel, Tarmo**; Ahonen, Mikko; Hardell, Lennart BioMed research international 2018 / 6 p. : ill <https://doi.org/10.1155/2018/5912394> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Caseins from bovine colostrum and milk strongly bind piscidin-1, an antimicrobial peptide from fish**

**Kütt, Mary-Liis**; Stagsted, Jan International journal of biological macromolecules 2014 / p. 364-372 : ill <https://doi.org/10.1016/j.ijbiomac.2014.06.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A catalase-related hemoprotein in coral is specialized for synthesis of short-chain aldehydes : discovery of P450-type hydroperoxide lyase activity in a catalase**

**Teder, Tarvi; Löhela, Helike**; Boeglin, William E.; Calcutt, Wade M.; Brash, Alan R.; **Samel, Nigulas** Journal of biological chemistry 2015 / p. 19823-19832 : ill <https://doi.org/10.1074/jbc.M115.660282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The CB<sub>1</sub> cannabinoid receptor signals striatal neuroprotection via a PI3K/Akt/mTORC1/BDNF pathway**

Blazquez, C.; Chiarlone, A.; **Pruunsild, Priit**; **Timmusk, Tõnis** Cell death and differentiation 2015 / p. 1618-1629 : ill <https://doi.org/10.1038/cdd.2015.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**CCL5/CCR1 axis regulates multipotency of human adipose tissue derived stromal cells**

Kauts, Mari-Liis; Pihelgas, Susan; Orro, Kadri; **Neuman, Toomas**; Piirsoo, Alla Stem Cell Research 2013 / p. 166 - 178 <https://doi.org/10.1016/j.scr.2012.11.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cell Migration in Microfluidic Devices : Invadosomes Formation in Confined Environments**

Chi, Pei-Yin; **Spuul, Pirjo**; Tseng, Fan-Gang Cell migrations : causes and functions 2019 / p. 79-103 [https://doi.org/10.1007/978-3-030-17593-1\\_6](https://doi.org/10.1007/978-3-030-17593-1_6) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cell type-specific labelling of newly synthesized proteins by puromycin inactivation**

**Cabrera-Cabrera, Florencia**; Tull, Helena; **Capuana, Roberta**; Kasvandik, Sergio; **Timmusk, Tõnis**; **Koppel, Indrek** Journal of biological chemistry 2023 / art. 105129, 12 p. : ill <https://doi.org/10.1016/j.jbc.2023.105129> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Cellular, extracellular and extracellular vesicular miRNA profiles of pre-ovulatory follicles indicate signaling disturbances**

**in polycystic ovaries**

**Rooda, Ilmatar**; Hasan, Mohammed Mehedi; **Roos, Kristine**; Viil, Janeli; **Smolander, Olli-Pekka**; **Velthut-Meikas, Agne**

International journal of molecular sciences 2020 / art. 9550, 23 p. : ill <https://doi.org/10.3390/ijms21249550> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Challenges in noninvasive skin biomarker measurements in daily practice : a longitudinal study on skin surface protein detection by the transdermal analysis patch in pediatric psoriasis**

Schaap, Mirjam J.; Bruins, Finola M.; Van Den Brink, Noa J.M.; **Orro, Kadri**; Groenewoud, Hans M.M.; De Jong, Elke M.G.J.; Van Den Bogaard, Ellen H.; Seyger, Marieke M.B. Skin Pharmacology and Physiology 2022 / p. 319 - 327 <https://doi.org/10.1159/000527258>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Challenges of smart grids implementation**

**Ahmadihangar, Roya**; **Rosin, Argo**; **Palu, Ivo**; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 1-15

[https://doi.org/10.1007/978-981-15-4627-3\\_1](https://doi.org/10.1007/978-981-15-4627-3_1) [Journal metrics at Scopus](#) [Article at Scopus](#)

**Characterization and comparison of as received and clinically retrieved Bio-active™ orthodontic archwires**

Georgieva, Mirela; Stoyanova-Ivanova, Angelina; Cherneva, Sabina; Petrov, Valeri; Petrova, Violeta; Andreeva, Laura; Mihailov, Valentin; Petkov, Alexander; **Mikli, Valdek** Biotechnology and biotechnological equipment 2021 / p. 1301-1311 : ill

<https://doi.org/10.1080/13102818.2021.1964381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of new allele influencing flowering time in bread wheat introgressed from Triticum militinae**

Ivaničova, Zuzana; **Jakobson, Irena**; **Reis, Diana**; **Järve, Kadri** New biotechnology 2016 / p. 718-727 : ill

<https://doi.org/10.1016/j.nbt.2016.01.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of protein kinase ULK3 regulation by phosphorylation and inhibition by small molecule SU6668**

**Kasak, Lagle**; **Näks, Mihkel**; **Eek, Priit**; Piirsoo, Alla; **Bhadoria, Rohit**; **Starkov, Pavel**; Saarma, Merilin; Kasvandik, Sergo;

**Piirsoo, Marko** Biochemistry 2018 / p. 5456-5465 <https://doi.org/10.1021/acs.biochem.8b00356> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of protein-protein interfaces in large complexes by solid-state NMR solvent paramagnetic relaxation enhancements**

Öster, Carl; Kosol, Simone; Hartmüller, Christoph; Lamley, Jonathan M.; Iuga, Dinu; **Oss, Andres**; **Org, Mai-Liis**; **Vanatalu, Kalju**; **Samoson, Ago**; Madl, Tobias; Lewandowski, Jozef R. Journal of the American Chemical Society 2017 / p. 12165-12174 : ill

<https://doi.org/10.1021/jacs.7b03875> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of the nuclear matrix targeting sequence (NMTS) of the BPV1 E8/E2 protein - the shortest known NMTS**

Sankovski, Eve; Karro, Kristiina; **Sepp, Mari**; **Kurg, Reet**; Ustav, Mart; Abro, Aare Nucleus 2015 / p. 289-300 : ill

<https://doi.org/10.1080/19491034.2015.1074359> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of Uranyl (UO22+) ion binding to Amyloid Beta (Aβ) peptides : effects on Aβ structure and aggregation**

**Berntsson, Elina**; Vosough, Faraz; **Noormägi, Andra**; Padari, Kärt; Asplund, Fanny; Gielnik, Maciej; Paul, Suman; Jarvet, Jüri;

**Tõugu, Vello**; **Palumaa, Peep** ACS chemical neuroscience 2023 / p. 2618-2633 : ill <https://doi.org/10.1021/acscchemneuro.3c00130>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**ChemEASTry Europe, the status of the chemical sciences in a growing region**

**Gryko, Dorota**; **Szumna, Agnieszka**; **Aav, Riina**; **Soos, Tibor** Organic letters 2023 / p. 6237-6239

<https://doi.org/10.1021/acs.orglett.3c02621> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Chemical and functional properties of myofibrillar protein from selected species of trash fish**

Anam, Choirul; Atoum, Manar Fayiz Mousa; Harini, Noor; Damat, Damat; Setyobudi, Roy Hendroko; Wahyudi, Ahmad; Pamujiati, Agustia Dwi; Kuswardhani, Nita; Witono, Yuli; **Liblik, Taavi** Jordan Journal of Biological Sciences 2023 / p. 267-277 : ill

<https://doi.org/10.54319/jjbs/160211> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Chemistry as a practical science : Edward Caldin revisited**

**Müürsepp, Peeter** Foundations of chemistry 2016 / p. 113-123 <https://doi.org/10.1007/s10698-015-9244-x> [Journal metrics at Scopus](#)

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

**Chemistry as a practical science (Edward Caldin revisited)**

**Müürsepp, Peeter** Foundations of chemistry 2016 / p. 213-223 <https://doi.org/10.1007/s10698-016-9257-0> [Journal metrics at Scopus](#)

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

**Chromosome 19 annotations with disease speciation : a first report from the global research consortium**

Nilsson, Carol Lynn; Berven, Frode Steingrimsen; Selheim, Frode; Liu, Huiling; Moskal, Joseph R.; Kroes, Roger A.; Sulman, Erik P.; Conrad, Charles A.; Lang, Frederick F.; Andrén, Per Erik; Nilsson, Anna; Carlsohn, Elisabet; **Fehniger, Thomas Edward**;

**Lindberg, Henrik** Journal of Proteome Research 2013 / p. 135 - 150 <https://doi.org/10.1021/pr3008607> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Chromosome variant 1qh- and its influence on the 3D organization of chromosome 1 heterochromatin in interphase nucleus of patients with endometriosis**

Mikelsaar, Ruth; **Paves, Heiti**; Org, Katrin; Mikelsaar, Aavo-Valdur Journal of genetics 2014 / p. 219-223 : ill

<https://doi.org/10.1007/s12041-014-0340-9> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Chronic pain after lower abdominal surgery : do catechol-O-methyl transferase/opioid receptor  $\mu$ -1 polymorphisms contribute?**

Kolesnikov, Yuri; Gabovits, Boris; Levin, Ariel; **Veske, Andres**; Qin, Li; Dai, Feng; Belfer, Inna Molecular pain 2013 / p. 1-7

<https://pubmed.ncbi.nlm.nih.gov/23566343/> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Chrysophanol : a natural anthraquinone with multifaceted biotherapeutic potential**

Prakteeksha; Yusuf, Mohd Aslam; Singh, Brahma Nand; **Sudheer, Surya**; **Gupta, Vijai Kumar** Biomolecules 2019 / art. 68, 24 p. : ill

<https://doi.org/10.3390/biom9020068> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Cloning and expression of ATP N-glycosidase from the freshwater sponge Ephydatia muelleri**

**Reintamm, Tõnu**; **Vallmann, Kerli**; **Kolk, Kaidi**; **Päri, Mailis**; **Lopp, Annika**; **Aas-Valleriani, Nele**; **Kelve, Merike** Biochimie 2019

/ p. 126-129 <https://doi.org/10.1016/j.biochi.2018.12.018> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Coating with microbial hydrophobins : a novel approach to develop smart drug nanoparticles**

Singh, Brahma N.; Singh, Braj R.; **Gupta, Vijai Kumar** Trends in biotechnology 2018 / p. 1103–1106 : ill

<https://doi.org/10.1016/j.tibtech.2018.03.006> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Collective responses of a large mackerel school depend on the size and speed of a robotic fish but not on tail motion**

**Kruusmaa, Maarja**; Rieucan, Guillaume; Castillo Montoya, Jose Carlos; **Markna, Riho**; Handegard, Nils Olav Bioinspiration &

biomimetics 2016 / p. 1-12 : ill <https://doi.org/10.1088/1748-3190/11/5/056020> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Colorectal polyps increase the glycolytic activity**

**Rebane-Klemm, Egle**; **Reinsalu, Leenu**; Puurand, Marju; Ševtšuk, Igor; Bogovskaja, Jelena; Suurmaa, Külliki; Valvere, Vahur;

Moreno-Sanchez, Rafael; Käämbre, Tuuli Frontiers in oncology 2023 / art. 1171887, 11 p. : ill <https://doi.org/10.3389/fonc.2023.1171887> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Combined burden and functional impact tests for cancer driver discovery using DriverPower**

Shuai, Shimin; Abascal, Federico; Amin, Samirkumar B.; Bader, Gary D.; Bandopadhyay, Pratiti; Barenboim, Jonathan; Beroukhim, Rameen; Bertl, Johanna; Boroevich, Keith A.; **Uusküla-Reimand, Liis** Nature Communications 2020 / art. 734

<https://doi.org/10.1038/s41467-019-13929-1> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Combined processes for wastewater purification : treatment of a typical landfill leachate with a combination of chemical and biological oxidation processes**

**Klauson, Deniss**; Kivi, Arthur; **Kattel, Eneliis**; Klein, Kati; **Viisimaa, Marika**; **Bolobajev, Juri**; Velling, Siiri; **Goi, Anna**; Tenno,

Taavo; **Trapido, Marina** Journal of chemical technology and biotechnology 2015 / p. 1527-1536 : ill <https://doi.org/10.1002/jctb.4484> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Comment on "Solitons in the Heimburg-Jackson model of sound propagation in lipid bilayers are enabled by dispersion of a stiff membrane" by M. Drab et al.**

**Peets, Tanel**; **Tamm, Kert**; **Engelbrecht, Jüri** The European physical journal E 2023 / art. 34 [https://doi.org/10.1140/epje/s10189-023-](https://doi.org/10.1140/epje/s10189-023-00299-2)

[00299-2](https://doi.org/10.1140/epje/s10189-023-00299-2) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Comparative analysis of some aspects of mitochondrial metabolism in differentiated and undifferentiated neuroblastoma cells**

Klepinin, Aleksandr; **Kaldma, Andrus**; **Koit, Andre** Journal of bioenergetics and biomembranes 2014 / p. 17-31 : ill

<https://doi.org/10.1007/s10863-013-9529-5> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Comparative analysis of the essential oil of the underground organs of Valeriana spp. from different countries**

Raal, Ain; Kokitko, Valeriia; Odyntsova, Vira; **Orav, Anne**; Koshovyi, Oleh Phytion-International Journal of Experimental Botany 2024 /

p. 1365 - 1382 <https://doi.org/10.32604/phyton.2024.053754> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Comparing PCR-generated artifacts of different polymerases for improved accuracy of DNA metabarcoding**

Nagai, Satoshi; **Sildever, Sirje**; Nishi, Noriko Metabarcoding and metagenomics 2022 / art. e77704

<https://doi.org/10.3897/mbmg.6.77704> Journal metrics at Scopus Article at Scopus

**Comparison of different extraction methods for simultaneous determination of B complex vitamins in nutritional yeast using LC/MS-TOF and stable isotope dilution assay**

**Hälvin, Kristel; Paalme, Toomas; Nisamedtinov, Ildar** Analytical and bioanalytical chemistry 2013 / p. 1213-1222 : ill <https://pubmed.ncbi.nlm.nih.gov/23150051/> <https://doi.org/10.1007/s00216-012-6538-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of different extraction methods to determine free and bound forms of B-group vitamins in quinoa**

**Hälvin, Kristel; Nisamedtinov, Ildar; Paalme, Toomas** Analytical and bioanalytical chemistry 2014 / p. 7355-7366 : ill <https://doi.org/10.1007/s00216-014-8122-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparison of static and dynamic shading systems for office buildings energy consumption and cooling load assessment**

**De Luca, Francesco; Voll, Hendrik; Thalfeldt, Martin** Management of environmental quality : an international journal 2018 / p. 978-998 : ill <https://doi.org/10.1108/MEQ-01-2018-0008> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Comparison of sulfate-reducing and conventional Anammox upflow anaerobic sludge blanket reactors**

**Rikmann, Ergo; Zekker, Ivar; Tomingas, Martin; Vabamäe, Priit; Kroon, Kristel; Saluste, Alar; Tenno, Taavo; Menert, Anne; Rubin, Sergio S.C.** Journal of bioscience and bioengineering 2014 / p. 426-433 : ill <https://doi.org/10.1016/j.jbiosc.2014.03.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Compartmentalization in cardiomyocytes modulates creatine kinase and adenylate kinase activities**

**Birkedal, Rikke; Branovets, Jelena; Vendelin, Marko** FEBS letters 2024 / p. 2623-2640 <https://doi.org/10.1002/1873-3468.14994> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Compensation of the baseline temperature fluctuations for autonomous CE–C4D instrument working in harsh environments**

**Drevinskas, Tomas; Telksnys, Laimutis; Maruška, Audrius; Gorbatošova, Jelena; Kaljurand, Mihkel** Electrophoresis 2018 / p. 2877–2883 : ill <https://doi.org/10.1002/elps.201800132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Complexes of HXeY with HX (Y, X = F, Cl, Br, I) : symmetry-adapted perturbation theory study and anharmonic vibrational analysis**

**Dzieciol, Bartosz; Osadchuk, Irina; Cukras, Janusz; Lundell, Jan** Molecules 2023 / art. 5148 <https://doi.org/10.3390/molecules28135148> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Composition and antibacterial effect of mint flavorings in candies and food supplements**

**Kapp, Karmen; Orav, Anne; Roasto, Mati; Raal, Ain; Püssa, Tõnu; Vuorela, Heikki; Tammela, Päivi; Vuorela, Pia** Planta medica 2020 / p. 1089–1096 <https://doi.org/10.1055/a-1158-1699> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Composition of the essential oil of the Rhododendron tomentosum Harmaja from Estonia**

**Raal, Ain; Orav, Anne; Gretšušnikova, Tatjana** Natural product research 2014 / p. 1091-1098 : tab <https://doi.org/10.1080/14786419.2014.907287> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comprehensive analysis of chromothripsis in 2,658 human cancers using whole-genome sequencing**

**Cortés-Ciriano, Isidro; Lee, Jake June-Koo; Xi, Ruibin; Jain, Dhawal; Jung, Youngsook Lucy; Yang, Lixing; Gordenin, Dmitry; Klimczak, Leszek J.; Uusküla-Reimand, Liis** Nature Genetics 2020 / p. 331-341 <https://doi.org/10.1038/s41588-019-0576-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comprehensive analysis of proteolysis during 8 months of ripening of high-cooked Old Saare cheese**

**Taivosalo, Anastassia; Kriščiunaite, Tiina; Seiman, Andrus; Part, Natalja; Stulova, Irina; Vilu, Raivo** Journal of dairy science 2018 / p. 944-967 : ill <https://doi.org/10.3168/jds.2017-12944> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comprehensive elucidation of amino acid profile in human follicular fluid and plasma of in vitro fertilization patients**

**Kirsipuu, Tiina; Laks, Katrina; Velthut-Meikas, Agne; Levkov, Lev; Salumets, Andres; Palumaa, Peep** Gynecological endocrinology 2015 / p. 9-17 : ill <https://doi.org/10.3109/09513590.2015.1085186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comprehensive molecular characterization of mitochondrial genomes in human cancers**

**Yuan, Yuan; Ju, Young Seok; Kim, Youngwook; Li, Jun; Wang, Yumeng; Yoon, Christopher J.; Yang, Yang; Martincorena, Inigo; Creighton, Chad J.; Uusküla-Reimand, Liis** Nature Genetics 2020 / p. 342 - 352 <https://doi.org/10.1038/s41588-019-0557-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A computational approach to study functional monomer|protein molecular interactions to optimize protein molecular imprinting**

**Boroznjak, Roman; Reut, Jekaterina; Tretjakov, Aleksei; Lomaka, Andre; Öpik, Andres; Sõritski, Vitali** Journal of molecular recognition 2017 / art. e2635, p. 1-9 : ill <https://doi.org/10.1002/jmr.2635> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Concepts and criteria defining emerging microbiome applications**

Kostic, Tanja; Schloter, Michael; Arruda, Paulo; Berg, Gabriele; Charles, Trevor C.; Cotter, Paul D.; Kiran, George Seghal; Lange, Lene; Maguin, Emmanuelle; Meisner, Annelein; van Overbeek, Leo; Sanz, Yolanda; **Sarand, Inga**; Selvin, Joseph; Tsakalidou, Effie; Smidt, Hauke; Wagner, Martin; Sessitsch, Angela Microbial biotechnology 2024 / art. e14550, 11 p. : ill <https://doi.org/10.1111/1751-7915.14550> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A conserved  $\pi$ -cation and an electrostatic bridge are essential for 11R-lipoxygenase catalysis and structural stability**

**Eek, Priit; Piht, Mari-Ann**; Rätsep, Margus; Freiberg, Arvi; **Järving, Ivar**; **Samel, Nigulas** Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids 2015 / p. 1377-1382 : ill <https://doi.org/10.1016/j.bbalip.2015.07.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

**Continuation of the ESH-CHL-SHOT trial after publication of the SPRINT : rationale for further study on blood pressure targets of antihypertensive treatment after stroke**

Zanchetti, Alberto; Liu, Lisheng; Mancía, Giuseppe; **Viigimaa, Margus** Journal of hypertension 2016 / p. 393-396 <https://doi.org/10.1097/HJH.0000000000000853> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Coordinated activation of PTA-ACS and TCA cycles strongly reduces overflow metabolism of acetate in Escherichia coli**

**Peebo, Karl; Valgepea, Kaspar; Nahku, Ranno; Riis, Gethe; Õun, Mikk; Adamberg, Kaarel; Vilu, Raivo** Applied microbiology and biotechnology 2014 / p. 5131-5143 : ill <https://doi.org/10.1007/s00253-014-5613-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Copper chaperones. The concept of conformational control in the metabolism of copper**

**Palumaa, Peep** FEBS letters 2013 / p. 1902-1910 : ill [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Correction to: Advancing drug–target interaction prediction: a comprehensive graph-based approach integrating knowledge graph embedding and ProtBert pretraining (BMC Bioinformatics, (2023), 24, 1, (488), 10.1186/s12859-023-05593-6)**

Djeddi, Warith Eddine; Hermi, Khalil; **Ben Yahia, Sadok**; Diallo, Gayo BMC Bioinformatics 2024 / art. 289 <https://doi.org/10.1186/s12859-024-05905-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Correction to: Transcriptome-wide identification of genes involved in Ascorbate–Glutathione cycle (Halliwell–Asada pathway) and related pathway for elucidating its role in antioxidative potential in finger millet (Eleusine coracana (L.)) (3 Biotech, (2018), 8, 12, (499), 10.1007/s13205-018-1511-9)**

Avashthi, Himanshu; Pathak, Rajesh Kumar; Pandey, Neetesh; Arora, Sandeep; Mishra, Amrendra Kumar; **Gupta, Vijai Kumar**; Ramteke, Pramod Wasudeo; Kumar, Anil 3 Biotech 2019 / p. 337 <https://doi.org/10.1007/s13205-019-1864-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Correction: Genome-wide meta-analysis identifies novel loci conferring risk of acne vulgaris**

Teder-Laving, Maris; Kals, Mart; Reigo, Anu; **Ehin, Riin**; Objärtel, Tilver; Vaht, Mariliis; Nikopensius, Tiit; Metspalu, Andres; Kingo, Külli European Journal of Human Genetics 2024 / art. 1192 <https://doi.org/10.1038/s41431-023-01366-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Corrigendum to “Case-control study on occupational exposure to extremely low-frequency electromagnetic fields and the association with acoustic neuroma” [Environ. Res. (2020), 187, 109621] (Environmental Research (2020) 187, (S0013935120305144), (10.1016/j.envres.2020.109621))**

Carlberg, Michael; **Koppel, Tarmo**; Ahonen, Mikko; Hardell, Lennart Environmental Research 2020 / Art. nr. 109806 <https://doi.org/10.1016/j.envres.2020.109806> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Corrigendum to: "Comparison and applications of label-free absolute proteome quantification methods on Escherichia coli" [J Proteomics 75 (17) (2012) 5437-5448]**

**Arike, Liisa; Valgepea, Kaspar**; Peil, Lauri; **Nahku, Ranno**; **Adamberg, Kaarel**; **Vilu, Raivo** Journal of Proteomics 2013 / p. 619 <https://doi.org/10.1016/j.jprot.2013.07.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A COST Action on microbial responses to low pH : developing links and sharing resources across the academic-industrial divide**

Azizi, Tamir; Carvalho De Araujo, Laurine; Cetecioglu, Zeynep; Clancy, Aisha J.; Feger, Marie L.; Liran, Oded; O'Byrne, Conor; **Sanka, Immanuel**; **Scheler, Ott**; Sedlakova-Kadukova, Jana; Ziv, Carmit; De Biase, Daniela; Lund, Peter A. New biotechnology 2022 / p. 64-70 <https://doi.org/10.1016/j.nbt.2022.09.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A cost-effective electric vehicle intelligent charge scheduling method for commercial smart parking lots using a simplified convex relaxation technique**

Jawad, Muhammad; Qureshi, Muhammad Bilal; Ali, Sahibzada Muhammad; **Shabbir, Noman**; Khan, Muhammad Usman; Aloraini, Afnan; Nawaz, Raheel Sensors 2020 / p. 1-19 <https://doi.org/10.3390/s20174842> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cost-efficient network planning for the cross-border Baltic corridor—a study**

**Elgarhy, Osama Mohamed Mostafa**; Alam, Mohammad Saad; Tammets, Anet; Roosipuu, Priit; Ancans, Guntis; Saidans, Guntars; Tutovs, Jurijs; Saliņš, Klavs; Verdinš, A.; Aleksandrovs, M.; Perševics, A.; Zariņš, D.; Uusmaa, Mart; Uhtlik, Ove; Soom, Priit Sensors 2023 / art. 8111 <https://doi.org/10.3390/s23198111> [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](#)

**Cross-kingdom small RNAs among animals, plants and microbes**

Zeng, Jun; **Gupta, Vijai Kumar**; Jiang, Yueming; Yang, Bao; Gong, Liang; Zhu, Hong Cells 2019 / art. 371 <https://doi.org/10.3390/cells8040371> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cryo-protective effect of an ice-binding protein derived from Antarctic bacteria**

Mangiagalli, Marco; Bar-Dolev, Maya; Tedesco, Pietro; Natalello, Antonino; **Kaleda, Aleksei** The FEBS journal 2017 / p. 163-177 : ill <https://doi.org/10.1111/febs.13965> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at Scopus](#)

**Cu(II) partially protects three histidine residues and the N-terminus of amyloid- $\beta$  peptide from diethyl pyrocarbonate (DEPC) modification**

**Friedemann, Merlin**; Töugu, Vello; Palumaa, Peep FEBS Open Bio 2020 / p. 1072-1081 <https://doi.org/10.1002/2211-5463.12857> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**CyberGenomics : application of behavioral genetics in cybersecurity**

Domarkiene, Ingrida; Ambrozaityte, Laima; Bukauskas, Linas; Rancelis, Tautvydas; **Sütterlin, Stefan**; Knox, Benjamin James; **Maennel, Kaie**; **Maennel, Olaf Manuel**; Parish, Karen; Lugo, Ricardo Gregorio; Brilingaitė, Agnė Behavioral Sciences 2021 / art. 152 <https://doi.org/10.3390/bs11110152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cytological characterization and allelism testing of anther developmental mutants identified in a screen of maize male sterile lines**

**Timofejeva, Ljudmilla**; Skibbe, David; Lee, Sidae G3 : genes, genomes, genetics 2013 / p. 231-249 : ill <https://doi.org/10.1534/g3.112.004465> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cytosporone B as a biological preservative: purification, fungicidal activity and mechanism of action against geotrichum citri-aurantii**

Yin, Chunxiao; Liu, Hongxin; Shan, Yang; **Gupta, Vijai Kumar**; Jiang, Yueming; Zhang, Weimin; Tan, Haibo; Gong, Liang Biomolecules 2019 / Art. nr. 125 <https://doi.org/10.3390/biom9040125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Daughterless, the Drosophila orthologue of TCF4, is required for associative learning and maintenance of the synaptic proteome**

**Tamberg, Laura**; Jaago, Mariliis; Säälik, Kristi; Sirp, Alex; Tuvikene, Jürgen; Šubina, Anastassia; Kiir, Carl Alexander; **Nurm, Kaja**; **Sepp, Mari**; Timmusk, Tõnis; **Palgi, Mari** Disease Models & Mechanisms 2020 / art. dmm042747, 15 p. : ill <https://doi.org/10.1242/dmm.042747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Daylighting and energy performance design for single floor commercial hall buildings**

**De Luca, Francesco**; Simson, Raimo; Voll, Hendrik; Kurnitski, Jarek Management of environmental quality : an international journal 2018 / p. 722-739 : ill <https://doi.org/10.1108/MEQ-10-2017-0110> [Journal metrics at Scopus](#) [Article at Scopus](#)

**DC voltage sensorless predictive control of a high-efficiency PFC single-phase rectifier based on the versatile buck-boost converter**

González-Castaño, Catalina; Restrepo, Carlos; Sanz, Fredy; **Chub, Andrii**; Giral, Roberto Sensors 2021 / art. 5107 <https://doi.org/10.3390/s21155107> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Deciphering the omics of plant-microbe interaction: perspectives and new insights**

Sharma, Minaxi; Sudheer, Surya; **Usmani, Zeba**; Rani, Rupa; Gupta, Pratishtha Current genomics 2020 / p. 343-362 <https://doi.org/10.2174/1389202921999200515140420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A decision-making tool for navigating extracellular vesicle research and product development**

**Loria, Francesca;** Picciotto, Sabrina; Adamo, Giorgia; Zandrini, Andrea; Raccosta, Samuele; Manno, Mauro; Bergese, Paolo; Liguori, Giovanna L.; Bongiovanni, Antonella; Zarovni, Nataša *Journal of extracellular vesicles* 2024 / art. e70021, 15 p.  
<https://doi.org/10.1002/jev2.70021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A deep learning system accurately classifies primary and metastatic cancers using passenger mutation patterns**

Jiao, Wei; Atwal, Gurnit; Polak, Paz; Karlic, Rosa; Cuppen, Edwin; Al-Shahrour, Fatima; Bailey, Peter J.; Biankin, Andrew V.; Boutros, Paul C.; **Uusküla-Reimand, Liis** *Nature Communications* 2020 / art. 728, 12 p. : ill <https://doi.org/10.1038/s41467-019-13825-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Degradation of aqueous alachlor in pulsed corona discharge**

**Bolobajev, Juri; Gornov, Daniil;** Kornev, Iakov; **Preis, Sergei** *Journal of electrostatics* 2021 / art. 103543  
<https://doi.org/10.1016/j.elstat.2020.103543> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Deoxynucleoside 5-monophosphate N-glycosidase from a phylogenetically distant metazoa, sponge**

**Aas-Valleriani, Nele; Reintamm, Tõnu; Kelve, Merike** *Biochimie* 2018 / p. 113-118 : ill <https://doi.org/10.1016/j.biochi.2017.12.005>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dependence of the interaction mechanisms between L-serine and O-phospho-L-serine with calcium hydroxyapatite and copper modified hydroxyapatite in relation with the acidity of aqueous medium**

**Tõnsuaadu, Kaia;** Gruselle, Michel; **Kriisa, Frieda; Trikkel, Andres** *Journal of biological inorganic chemistry* 2018 / p. 929–937 : ill <https://doi.org/10.1007/s00775-018-1594-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Detection of single nucleotide polymorphisms in virus genomes assembled from high-throughput sequencing data: large-scale performance testing of sequence analysis strategies**

Rollin, Johan; Bester, Rachelle; Brostaux, Yves; Caglayan, Kadriye; De Jonghe, Kris; Eichmeier, Ales; Foucart, Yoika; Haegeman, Annelies; Koloniuk, Igor; Kominek, Petr; Maree, Hans; Onder, Serkan; Posada Cespedes, Susana; Roumi, Vahid; Šafarova, Dana; Schumpp, Olivier; Ulubas Serce, Cigdem; **Sõmera, Merike;** Tamisier, Lucie; Vainio, Eeva; van der Vlugt, Rene AA; Massart, Sebastien *PeerJ* 2023 / art. e15816 <https://doi.org/10.7717/peerj.15816> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Determination of carcinoembryonic antigen as a tumor marker using a novel graphene-based label-free electrochemical immunosensor**

Jozghorbani, Maryam; Fathi, Mojtaba; Kazemi, Sayed Habib; **Alinejadian, Navid** *Analytical biochemistry* 2021 / art. 114017  
<https://doi.org/10.1016/j.ab.2020.114017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Determination of $\gamma$ -hydroxybutyric acid in saliva by capillary electrophoresis coupled with contactless conductivity and indirect UV absorbance detectors**

**Mazina, Jekaterina; Saar-Reismaa, Piret; Kulp, Maria; Kaljurand, Mihkel; Vahe, Merike** *Electrophoresis* 2015 / p. 3042-3049 : ill <https://doi.org/10.1002/elps.201500293> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development and comparison of HPLC and MEKC methods for the analysis of cyclic sulfur mustard degradation products**

**Lees, Heidi; Vahe, Merike; Kaljurand, Mihkel** *Electrophoresis* 2017 / p. 1075-1082 : ill <https://doi.org/10.1002/elps.201600418>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development and optimisation of HILIC-LC-MS method for determination of carbohydrates in fermentation samples**

**Pismennõi, Dmitri; Kiritsenko, Vassili; Marhivka, Jaroslav; Kütt, Mary-Liis; Vilu, Raivo** *Molecules* 2021 / art. 3669, 10 p. : ill <https://doi.org/10.3390/molecules26123669> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development of a capillary electrophoresis method with direct UV detection for the analysis of thiodiglycol and its oxidation products**

**Jõul, Piia; Lees, Heidi; Vahe, Merike; Kobrin, Eeva-Gerda; Kaljurand, Mihkel; Kuhtinskaja, Maria** *Electrophoresis* 2015 / p. 1202-1207 : ill <https://doi.org/10.1002/elps.201500038> [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; Õpik, Andres; Sõritski, 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](#)

### **Development of Functional Composite Cu(II)-Polyoxometalate/PLA with Antimicrobial Properties**

**Duvanova, Ella; Krasnou, Illia; Krumme, Andres; Mikli, Valdek; Rozantsev, Georgiy M.; Radio, Serhii V.; Karpichev, Yevgen** *Molecules* 2022 / art. 2510 <https://doi.org/10.3390/molecules27082510> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Development of potent microtubule targeting agent by structural simplification of natural diazonamide

Kalnins, Toms; Vitkovska, V.; Kazak, M.; Zelencova-Gopejenko, D.; Ozola, M.; Narvaiss, N.; Makrecka-Kuka, M.; Domračeva, I.; **Konrad, Nele; Aav, Riina** Journal of medicinal chemistry 2024 / p. 9227-9259 <https://doi.org/10.1021/acs.jmedchem.4c00388> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Diagnostic significance of alternative splice variants of REST and DOPEY1 in the peripheral blood of patients with breast cancer

Lend, Ave Kris; Kazantseva, Anna; **Kivil, Anri**; Valvere, Vahur; **Palm, Kaia** Tumor biology 2014 / p. 2473-2480 : ill <https://doi.org/10.1007/s13277-014-2860-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dietary natural products and their potential to influence health and disease including animal model studies

Yeung, Andy Wai Kan; Aggarwal, Bharat Bhushan; Barreca, Davide; Battino, Maurizio; Belwal, Tarun; Horbańczuk, Olaf K.; Berindan-Neagoe, Ioana; Bishayee, Anupam; Daglia, Maria; **Gupta, Vijai Kumar** Animal science papers and reports 2019 / p. 345-358 : ill <https://www.iris.unict.it/bitstream/20.500.11769/364904/2/Dietary%20natural%20products%20and%20their%20potential%20to%20influence%20health%20and%20disease%20including%20animal%20model%20studies%20.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Differential susceptibility of catheter biomaterials to biofilm-associated infections and their remedy by drug-encapsulated eudragit RL100 nanoparticles

Pandey, Vivek Kumar; Srivastava, Kumar Rohit; Ajmal, Gufran; Thakur, Vijay Kumar; **Gupta, Vijai Kumar**; Upadhyay, Siddh Nath; Mishra, Pradeep Kumar International Journal of Molecular Sciences 2019 / Art. nr. 5110 <https://doi.org/10.3390/ijms20205110> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Digital microfluidics platform for interfacing solid-liquid extraction column with portable capillary electropherograph for analysis of soil amino acids

**Gorbatšova, Jelena; Jaanus, Martin; Vaher, Merike; Kaljurand, Mihkel** Electrophoresis 2016 / p. 472-475 : ill <https://doi.org/10.1002/elps.201500284> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Digital-toolkit for sports tourism promoting

**Prokopenko, Olha**; Rusavska, Valentyna; Maliar, Nelia; Tvelina, Alisa; Opanasiuk, Nataliia; Aldankova, Halyna International journal of advanced research in engineering and technology 2020 / p. 84-96 <http://www.iaeme.com/IJARET/issues.asp?JType=IJARET&VType=11&IType=5> [Journal metrics at Scopus](#) [Article at Scopus](#)

### Directly electrospun electrodes for electrical double-layer capacitors from carbide-derived carbon

**Malmberg, Siret**; Arulepp, Mati; **Savest, Natalja; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Käärik, Maike; Mikli, Valdek; Krumme, Andres** Journal of electrostatics 2020 / art. 103396, 7 p. : ill <https://doi.org/10.1016/j.elstat.2019.103396> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Disruption of chromatin folding domains by somatic genomic rearrangements in human cancer

Akdemir, Kadir Caner; Le, Victoria T.; Chandran, Sahaana; Li, Yilong; Verhaak, Roel G.W.; Beroukhim, Rameen; Campbell, Peter J.; Chin, Lynda; Dixon, Jesse R.; Futreal, Phillip Andrew; **Uusküla-Reimand, Liis** Nature Genetics 2020 / p. 294 - 305 <https://doi.org/10.1038/s41588-019-0564-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Dissolution of silver nanowires and nanospheres dictates their toxicity to escherichia coli

Visnapuu, Meeri; Joost, Urmas; **Juganson, Katre**; Künnis-Beres, Kai; Kahru, Anne; Kisand, Vambola; Ivask, Angela BioMed Research International 2013 / art. 819252 <https://doi.org/10.1155/2013/819252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Distinct characteristics of the substrate binding between highly homologous catalase-related allene oxide synthase and hydroperoxide lyase

**Teder, Tarvi; Samel, Nigulas; Lõhelaid, Helike** Archives of biochemistry and biophysics 2019 / art. 108126, 10 p. : ill <https://doi.org/10.1016/j.abb.2019.108126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Divergence between bread wheat and Triticum militinae in the powdery mildew resistance QPm.tut14A locus and its implications for cloning of the resistance gene

Janáková, Eva; **Jakobson, Irena; Peuša, Hilma; Järve, Kadri** Theoretical and applied genetics 2019 / p. 1061–1072 : ill <https://doi.org/10.1007/s00122-018-3259-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Divergent access to histone deacetylase inhibitory cyclopeptides via a late-stage cyclopropane ring Cleavage strategy. Short synthesis of Chlamydocin

**Elek, Gabor Zoltan; Koppel, Kaur**; Zubrytski, Dzmitry M.; **Konrad, Nele; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry** Organic letters 2019 / p. 8473-8478 : ill <https://doi.org/10.1021/acs.orglett.9b03305> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Divergent mutational processes distinguish hypoxic and normoxic tumours

Bhandari, Vinayak; Li, Constance H.; Bristow, Robert G.; Boutros, Paul C.; Aaltonen, Lauri A.; Abascal, Federico; Abeshouse, Adam; Aburatani, Hiroyuki; Adams, David J.; **Uusküla-Reimand, Liis** Nature Communications 2020 / art. 737, 10 p. : ill

**Diversity in TAF proteomics : consequences for cellular differentiation and migration**

Kazantseva, Jekaterina; **Palm, Kaia** International journal of molecular sciences 2014 / p. 16680-16697 : ill

<https://doi.org/10.3390/ijms150916680> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**DNA Hypomethylation and histone variant macroH2A1 synergistically attenuate chemotherapy-induced senescence to promote hepatocellular carcinoma progression**

Borghesan, Michela; Fusilli, Caterina; Rappa, Francesca; Panebianco, Concetta; Rizzo, Giovanni; Oben, Jude A.; Mazzocchi, Gianluigi; Faulkes, Chris; **Pata, Illar** Cancer Research 2016 / p. 594 - 606 <https://doi.org/10.1158/0008-5472.CAN-15-1336> Journal

metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Does chronotype restrict the employment options of creative R&D professionals?**

**Sõõru, Erve; Hazak, Aaro; Rebane, Marit** Biological rhythm research 2020 / p. 283-293 : tab

<https://doi.org/10.1080/09291016.2018.1528681> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**DOME : recommendations for supervised machine learning validation in biology**

Walsh, Ian; Fishman, Dmytro; Garcia-Gasulla, Dario; **Titma, Tiina**; Pollastri, Gianluca; Harrow, Jennifer; Psomopoulos, Fotis E.; Tosatto, Silvio C. E. Nature methods 2021 / p. 1122–1127 <https://doi.org/10.1038/s41592-021-01205-4> Journal metrics at Scopus Article

at Scopus Journal metrics at WOS Article at WOS

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

Ruszczak, 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

**Dual ELISA using SARS-CoV-2 N protein produced in E. coli and CHO cells reveals epitope masking by N-glycosylation**

**Rump, Airi; Risti, Robert**; Kristal, Mai-Ly; **Reut, Jekaterina**; **Sõritski, Vitali**; **Lõokene, Aivar**; **Rüütel Boudinot, Sirje** Biochemical and biophysical research communications 2021 / p. 457–460 <https://doi.org/10.1016/j.bbrc.2020.11.060> Journal metrics at Scopus

Article at Scopus Journal metrics at WOS Article at WOS

**Dual-source Linear Energy Prediction (LINE-P) model in the context of WSNs**

**Ahmed, Faisal; Tamberg, Gert; Le Moullec, Yannick; Annus, Paul** Sensors 2017 / art. 1666, p. 1-22 : ill

<https://doi.org/10.3390/s17071666> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Dye-decolorizing peroxidase of Thermobifida halotolerance displays complex kinetics with both substrate inhibition and apparent positive cooperativity**

**Pupart, Hegne; Lukk, Tiit**; Välijamäe, Priit Archives of biochemistry and biophysics 2024 / art. 109931, 11 p. : ill

<https://doi.org/10.1016/j.abb.2024.109931> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**EBSD investigation of microstructure and microtexture evolution on additively manufactured TiC-Fe based cermets—Influence of multiple laser scanning**

**Maurya, Himanshu Singh**; Vikram, R. J.; **Kumar, Rahul**, 1993-; Rahmani Ahranjani, Ramin; **Juhani, Kristjan**; **Sergejev, Fjodor**; **Prashanth, Konda Gokuldoss** Micron 2024 / art. 103613 <https://doi.org/10.1016/j.micron.2024.103613> Journal metrics at Scopus

Article at Scopus Journal metrics at WOS Article at WOS

**Editorial : regulatory networks in genome stability pathways**

Ashton, Nicholas W.; Prakash, Aishwarya; **Moiseeva, Tatiana** Frontiers in Genetics 2023 / art. 1171136

<https://doi.org/10.3389/fgene.2023.1171136> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Effect of agitation on the peptide fibrillization: Alzheimer's amyloid- b peptide 1-42 but not amylin and insulin fibrils can grow under quiescent conditions**

**Tiiman, Ann**; **Noormägi, Andra**; **Friedemann, Merlin**; **Krištal, Jekaterina**; **Palumaa, Peep**; Tõugu, Vello Journal of peptide science 2013 / p. 386-391 : ill <https://doi.org/10.1002/psc.2513> Journal metrics at Scopus Article at Scopus Journal metrics at WOS

Article at WOS

**The effect of ionic liquids on the conductivity of electrospun polyacrylonitrile membranes**

**Savest, Natalja**; **Plamus, Tiia**; **Tarasova, Elvira**; **Viirsalu, Mihkel**; **Krasnou, Illia**; **Gudkova, Viktoria**; **Küppar, Kadi-Anne**;

**Krumme, Andres** Journal of electrostatics 2016 / p. 63-68 : ill <https://doi.org/10.1016/j.elstat.2016.07.006> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Effect of microwave radiation on human EEG at two different levels of exposure**

**Suhhova, Anna**; **Bachmann, Maie**; **Karai, Deniss**; **Lass, Jaanus**; **Hinrikus, Hiie** Bioelectromagnetics 2012 / p. 264 - 274 : ill

<https://doi.org/10.1002/bem.21772> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Effect of the titanium isopropoxide : acetylacetone molar ratio on the photocatalytic activity of TiO2 thin films**

**Spiridonova, Jekaterina; Katerski, Atanas; Danilson, Mati; Kritševskaja, Marina; Krunk, Malle; Oja Acik, Ilona** *Molecules* 2019 / art. 4326, 14 p. : ill <https://doi.org/10.3390/molecules24234326> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Efficacy and epigenetic interactions of novel DNA hypomethylating agent guadecitabine (SGI-110) in preclinical models of hepatocellular carcinoma**

Jueliger, Simone; Lyons, John; Cannito, Sara; **Pata, Illar; Pata, Pille; Školnaja, Marianna** *Epigenetics* 2016 / p. 709-720 : ill <https://doi.org/10.1080/15592294.2016.1214781> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Efficient use of a translation start codon in BDNF exon I**

**Koppel, Indrek; Tuvikene, Jürgen; Lekk, Ingrid; Timmusk, Tõnis** *Journal of neurochemistry* 2015 / p. 1015-1025 : ill <https://doi.org/10.1111/jnc.13124> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Eight years of weekly eDNA monitoring in the North-Western Pacific**

**Sildever, Sirje;** Nishi, Noriko; Tazawa, Satoshi; Kasai, Hiromi; Hirai, Junya; Shiimoto, Akihiro; Kikuchi, Tasei; Katakura, Seiji; Nagai, Satoshi *Environmental DNA* 2023 / p. 1202 - 1215 <https://doi.org/10.1002/edn3.452> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Electrical bioimpedance analysis for evaluating the effect of pelotherapy on the human skin : methodology and experiments**

**Metshein, Margus;** Tuulik, Varje-Riin; Tuulik, Viuu; Kumm, Monika; **Min, Mart; Annus, Paul** *Sensors* 2023 / art. 4251 <https://doi.org/10.3390/s23094251> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Electrochemical aziridination of internal alkenes with primary amines**

**Ošeka, Maksim;** Laudadio, Gabriele; van Leest, Nicolaas P.; Dyga, Marco; Bartolomeu, Aloisio de A.; Gooßen, Lukas J.; de Bruin, Bas; de Oliveira, Kleber T.; Noël, Timothy *Chem* 2021 / p. 255 - 266 <https://doi.org/10.1016/j.chempr.2020.12.002> [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;** Hovestädt, Marc; Sun, Guoguang; **Söritski, 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](#)

**Electrochemically synthesized MIP sensors : applications in healthcare diagnostics**

**Ayankojo, Akinrinade George; Reut, Jekaterina; Söritski, Vitali** *Biosensors* 2024 / art. 71 <https://doi.org/10.3390/bios14020071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Electromechanical coupling of waves in nerve fibres**

Engelbrecht, Jüri; **Peets, Tanel; Tamm, Kert** *Biomechanics and modeling in mechanobiology* 2018 / p. 1771–1783 : ill <https://doi.org/10.1007/s10237-018-1055-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Electrospun conductive mats from PANi-ionic liquid blends**

**Savest, Natalja; Plamus, Tiia;** Kütt, Kertu; **Kallavus, Urve; Viirsalu, Mihkel; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Krumme, Andres** *Journal of electrostatics* 2018 / p. 40-44 <https://doi.org/10.1016/j.elstat.2018.09.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Electrospun fibrous materials with propolis extracts for edible food packagings**

Zelca, Zane; Merijs-Meri, Remo; **Krumme, Andres;** Bernava, Aina *Molecules* 2023 / art. 5497 <https://doi.org/10.3390/molecules28145497> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Elevated blood plasma antioxidant status is favourable for achieving IVF/ICSI pregnancy**

**Velthut, Agne;** Zilmer, Mihkel; Zilmer, Kersti; Kaart, Tanel; Karro, Helle; **Salumets, Andres** *Reproductive BioMedicine online* 2013 / p. 345-352 <https://doi.org/10.1016/j.rbmo.2012.12.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**ELIMÄKI Locus is required for vertical proprioceptive response in birch trees**

Alonso-Serra, Juan; Shi, Xueping; Peaucelle, Alexis; **Smolander, Olli-Pekka** *Current biology* : CB 2020 / p. 589-599 <https://doi.org/10.1016/j.cub.2019.12.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Enantioselective construction of acyclic quaternary carbon stereocenters : palladium-catalyzed decarboxylative allylic alkylation of fully substituted amide enolates**

**Starkov, Pavel;** Moore, Jared T.; Duquette, Douglas C.; Stoltz, Brian M.; Marek, Ilan *Journal of the American Chemical Society* 2017 / p. 9615-9620 : ill <https://doi.org/10.1021/jacs.7b04086> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Enantioselective cyclopropanation of carboxylic esters with alkyl magnesium bromides in the presence of titanium(IV)**

#### **(4R,5R)-TADDOLates**

Konik, Yulia A.; Kananovich, Dzmitry; Kulinkovich, Oleg Tetrahedron 2013 / p. 6673-6678 : ill

<https://doi.org/10.1016/j.tet.2013.05.118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Enantioselective one-pot synthesis of $\alpha,\beta$ -epoxy ketones via aerobic oxidation of cyclopropanols**

Elek, Gabor Zoltan; Borovkov, Victor; Lopp, Margus; Kananovich, Dzmitry Organic letters 2017 / p. 3544-3547 : ill

<https://doi.org/10.1021/acs.orglett.7b01519> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Enantioselective organocatalytic Michael addition to unsaturated indolyl ketones**

Trubitsin, Dmitri; Martõnova, Jevgenija; Kudrjašova, Marina; Erkman, Kristin; Järving, Ivar; Kanger, Tõnis Organic letters 2021 / p. 1820-1824 <https://doi.org/10.1021/acs.orglett.1c00222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

#### **Endolichenic Fungi: a hidden reservoir of next generation biopharmaceuticals**

Singh, Brahma N.; Upreti, Dalip K.; Gupta, Vijai Kumar; Dai, Xiao-Feng; Jiang, Yueming Trends in biotechnology 2017 / p. 808-813

<https://doi.org/10.1016/j.tibtech.2017.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Endometrial transcriptome analysis indicates superiority of natural over artificial cycles in recurrent implantation failure patients undergoing frozen embryo transfer**

Altmäe, Signe; Tamm-Rosenstein, Karin; Esteban, Francisco J.; Simm, Jaak; Kolberg, Liis; Peterson, Hedi; Metsis, Madis

Reproductive BioMedicine Online 2016 / p. 597 - 613 <https://doi.org/10.1016/j.rbmo.2016.03.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **End-to-end multimodal sensor dataset collection framework for autonomous vehicles**

Gu, Junyi; Lind, Artjom; Chhetri, Tek Raj; Bellone, Mauro; Sell, Raivo Sensors 2023 / art. 6783, 25 p. : ill

<https://doi.org/10.3390/s23156783> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Energy metabolic plasticity of colorectal cancer cells as a determinant of tumor growth and metastasis**

Reinsalu, Leenu; Puurand, Marju; Tšekulajev, Vladimir; Miller, Sten; Ševtšuk, Igor; Tepp, Kersti; Rebane-Klemm, Egle; Timohhina, Natalja; Terasmaa, Anton; Käämbre, Tuuli Frontiers in Oncology 2021 / Art. nr. 698951 <https://doi.org/10.3389/fonc.2021.698951> [Journal metrics at Journal](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Engineered microbes for pigment production using waste biomass**

Usmani, Zeba; Sharma, Minaxi; Sudheer, Surya; Gupta, Vijai Kumar; Bhat, Rajeev Current genomics 2020 / p. 80-95

<https://doi.org/10.2174/1389202921999200330152007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Engineered microbial host selection for value-added bioproducts from lignocellulose**

Paula, Renato Graciano de; Antoniêto, Amanda Cristina Campos; Gupta, Vijai Kumar Biotechnology Advances 2019 / art. 107347, 18 p. : ill <https://doi.org/10.1016/j.biotechadv.2019.02.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Enhanced expression of human prostaglandin H synthase-2 in the yeast *Pichia pastoris* and removal of the C-terminal tag with bovine carboxypeptidase A**

Kukk, Kaia; Samel, Nigulas Journal of biotechnology 2016 / p. 224-231 : ill <https://doi.org/10.1016/j.jbiotec.2016.06.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Enrichment of Plasticicumulans acidivorans at pilot-scale for PHA production on industrial wastewater**

Tamis, Jelmer; Lužkov, Kätlin; Jiang, Yang; Loosdrecht, Mark C.M. van; Kleerebezem, Robbert Journal of biotechnology 2014 / p. 61-169 : ill <https://doi.org/10.1016/j.jbiotec.2014.10.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Enzymatically active 2',5'-oligoadenylate synthetases are widely distributed among Metazoa, including protostome lineage**

Päri, Mailis; Kuusksalu, Anne; Lopp, Annika; Hansen Kjaer, Karina; Justesen, Just; Kelve, Merike Biochimie 2014 / p. 200-209 : ill <https://doi.org/10.1016/j.biochi.2013.10.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

<https://doi.org/10.1016/j.biochi.2013.10.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **An epigenetic alphabet of crop adaptation to climate change : review article**

Guarino, Francesco; Cicatelli, Angela; Castiglione, Stefano; Agius, Dolores R.; Orhun, Gul Ebru; Fragkostefanakis, Sotirios; Leclercq, Julie; Dobranszki, Judit; Sõmera, Merike; Sarmiento Guerin, Maria Cecilia Frontiers in Genetics 2022 / art. 818727

<https://doi.org/10.3389/fgene.2022.818727> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Erratum to: Assessment of Blood Contamination in Biological Fluids Using MALDI-TOF MS (Protein J, 10.1007/s10930-016-9657-y)**

Laks, Katrina; Kirsipuu, Tiina; Dmitrijeva, Tuuli; Salumets, Andres; Palumaa, Peep Protein Journal 2016 / p. 177 - 178

<https://doi.org/10.1007/s10930-016-9660-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Erratum to: Long-haul optical transmission link using low-noise phase-sensitive amplifiers (Nature Communications, (2018), 9, 1, (2513), 10.1038/s41467-018-04956-5)**

Olsson, Samuel L. I.; Eliasson, Henrik; **Astra, Egon**; Karlsson, Magnus; Andrekson, Peter A. Nature Communications 2018 / Art. nr. 3064 <https://doi.org/10.1038/s41467-018-05591-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

**Erratum: More Comprehensive Forensic Genetic Marker Analyses for Accurate Human Remains Identification Using Massively Parallel DNA Sequencing[BMC Genomics. 2016;17 Suppl 9:750.] DOI:10.1186/s12864-016-3087-2**

Ambers, Angie D.; Churchill, Jennifer D.; King, Jonathan L.; **Stoljarova, Monika**; Gill-King, Harrell; Assidi, Mourad; Abu-Elmagd, Muhammad; Buhmeida, Abdelbaset; Al-Qahtani, Mohammed; Budowle, Bruce BMC genomics 2017 / art. 312, 1 p. <https://doi.org/10.1186/s12864-017-3648-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Escherichia coli achieves faster growth by increasing catalytic and translation rates of proteins**

**Valgepea, Kaspar; Adamberg, Kaarel**; Seiman, Andrus; **Vilu, Raivo** Molecular biosystems 2013 / p. 2344-2358 : ill <https://doi.org/10.1039/c3mb70119k> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Essential oil content and composition in Tanacetum vulgare L. herbs growing wild in Estonia**

Raal, Ain; **Orav, Anne**; **Gretšušnikova, Tatjana** Journal of essential oil bearing plants 2014 / p. 670-675 : tab <https://doi.org/10.1080/0972060X.2014.958554> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Establishing reference intervals for von Willebrand factor multimers**

**Pikta, Marika**; Vasse, Marc; Smock, Kristi J.; Moser, Karen A.; Dievoet, Marie-Astrid van; Lejniece, Sandra; Szanto, Timea; Bautista, Hector; Nouadje, Georges; Banyas, Valdas Journal of medical biochemistry 2022 / p. 115-121 <https://doi.org/10.5937/jomb0-31941> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**EUKARYOME: the rRNA gene reference database for identification of all eukaryotes**

Tedersoo, Leho; Hosseini-Moghaddam, Mahdieh S.; Mikryukov, Vladimir; Hakimzadeh, Ali; Bahram, Mohammad; Nilsson, Rolf Henrik; Yatsiuk, Iryna; Geisen, Stefan; Schwelm, Arne; Piwosz, Kasia; Prous, Marko; **Sildvee, Sirje**; **Laas, Peeter** Database 2024 / art. baee043 <https://doi.org/10.1093/database/baee043> [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 a new semi-automated Hydragel 11 von Willebrand factor multimers assay kit for routine use**

**Pikta, Marika**; Szanto, Timea; **Viigimaa, Margus**; Lejniece, Sandra; Balode, Darta; Saks, Kadri; Banyas, Valdas Journal of medical biochemistry 2021 / p. 167-172 <https://doi.org/10.5937/jomb0-26008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluation of a novel material, Diomics X-Swab™, for collection of DNA**

Marshall, Pamela L.; **Stoljarova, Monika**; Larue, Bobby L.; King, Jonathan L.; Budowle, Bruce Forensic science international: genetics 2014 / p. 192-198 : ill <https://doi.org/10.1016/j.fsigen.2014.05.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluation of deep neural network compression methods for edge devices using weighted score-based ranking scheme**

**Ademola, Olutosin Ajibola**; **Leier, Mairo**; **Petlenkov, Eduard** Sensors 2021 / art. 7529 <https://doi.org/10.3390/s21227529> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluation of different operating modes of an autosampler for portable capillary electrophoresis**

**Kaljurand, Mihkel**; **Ružicka, Martin**; **Gorbatšova, Jelena**; **Mazina-Šinkar, Jekaterina** Journal of Chromatography A 2023 / art. 464201 <https://doi.org/10.1016/j.chroma.2023.464201> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluation of enzyme-constrained genome-scale model through metabolic engineering of anaerobic co-production of 2,3-butanediol and glycerol by Saccharomyces cerevisiae**

Sjöberg, Gustav; **Rekena, Alina**; Fornstad, Matilda; **Lahtvee, Petri-Jaan**; Van Maris, Antonius J. A. Metabolic engineering 2024 / p. 49-59 <https://doi.org/10.1016/j.ymben.2024.01.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluation of Zn<sup>2+</sup>- and Cu<sup>2+</sup>-binding affinities of native Cu,Zn-SOD1 and its G93A mutant by LC-ICP MS**

**Smirnova, Julia**; **Gavrilova, Julia**; **Noormägi, Andra**; **Valmsen, Karin**; **Pupart, Hegne**; **Luo, Jinghui**; **Tõugu, Vello**; **Palumaa,**

**Peep** Molecules 2022 / art. 3160 <https://doi.org/10.3390/molecules27103160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluation of the microbial community in industrial rye sourdough upon continuous back-slopping propagation revealed *Lactobacillus helveticus* as the dominant species**

**Viiard, Ene; Mihhalevski, Anna; Rühka, Tiina; Paalme, Toomas; Sarand, Inga** Journal of applied microbiology 2013 / p. 404-412 : ill <https://doi.org/10.1111/jam.12045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evidence for two distinct binding sites for lipoprotein lipase on glycosylphosphatidylinositol-anchored high density lipoprotein-binding protein 1 (GPIHBP1)**

**Reimund, Mart;** Larsson, Mikael; Kovrov, Oleg; Kasvandik, Sergio; Olivecrona, Gunilla; **Lõökene, Aivar** Journal of biological chemistry 2015 / p. 13919-13934 : ill <https://doi.org/10.1074/jbc.M114.634626> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evolutionary distribution of deoxynucleoside 5-monophosphate N-glycosidase, DNPH1**

**Reintamm, Tõnu; Aas-Valleriani, Nele; Kelve, Merike** Gene 2019 / p. 1-11 <https://doi.org/10.1016/j.gene.2018.10.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An evolutionary field theorem : evolutionary field optimization in training of power-weighted multiplicative neurons for nitrogen oxides-sensitive electronic nose applications**

Alagoz, Baris Baykant; Simsek, Ozlem Imik; Ari, Davut; **Tepljakov, Aleksei; Petlenkov, Eduard; Alimohammadi, Hossein** Sensors 2022 / art. 3836 <https://doi.org/10.3390/s22103836> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Excitonic emission in heavily Ga-doped zinc oxide films grown on GaN**

Shtepliuk, I.; Khranovskyy, D.; Gogova, D.; **Danilson, Mati; Krunks, Malle** Journal of luminescence 2020 / art. 117265, 10 p. : ill <https://doi.org/10.1016/j.jlumin.2020.117265> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Experimental models to study drug distributions in tissue using MALDI mass spectrometry imaging**

Végvári, Ákos; **Fehniger, Thomas Edward;** Rezeli, Melinda; Laurell, Thomas; Döme, Balázs; Jansson, Bo; Welinder, Charlotte; Marko-Varga, György Journal of Proteome Research 2013 / p. 5626 - 5633 <https://doi.org/10.1021/pr400581b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Explainability and transparency of classifiers for air-handling unit faults using explainable artificial intelligence (XAI)**

**Meas, Molika;** Machlev, Ram; **Köse, Ahmet; Tepljakov, Aleksei; Loo, Lauri;** Levron, Yoash; **Petlenkov, Eduard; Belikov, Juri** Sensors 2022 / art. 6338 : ill <https://doi.org/10.3390/s22176338> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Exploring the limits of early predictive maintenance in wind turbines applying an anomaly detection technique**

Jankauskas, Mindaugas; Serackis, Artūras; Šapurov, Martynas; Pomarnacki, Raimondas; Baskys, Algirdas; Hyunh, Van Khang; **Vaimann, Toomas;** Zakis, Janis Sensors 2023 / art. 5695 <https://doi.org/10.3390/s23125695> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Expression of alternative transcription factor 4 mRNAs and protein isoforms in the developing and adult rodent and human tissues**

**Sirp, Alex; Shubina, Anastassia;** Tuvikene, Jürgen; **Tamberg, Laura; Kiir, Carl Sander; Kranich, Laura; Timmusk, Tõnis** Frontiers in Molecular Neuroscience 2022 / art. 1033224 <https://doi.org/10.3389/fnmol.2022.1033224> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Expression of FLNa in human melanoma cells regulates the function of integrin  $\alpha 1 \beta 1$  and phosphorylation and localisation of PKB/AKT/ERK1/2 kinases**

**Krebs, Kristi; Ruusmann, Anu;** Simonlatser, Grethel; **Velling, Teet** European Journal of Cell Biology 2015 / p. 564-575 <https://doi.org/10.1016/j.ejcb.2015.10.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Extraction and fractionation of bioactives from *Dipsacus fullonum* L. leaves and evaluation of their anti-borrelia activity**

**Saar-Reismaa, Piret; Bragina, Olga; Kuhtinskaja, Maria;** Reile, Indrek; **Laanet, Pille-Riin; Kulp, Maria; Vaher, Merike** Pharmaceuticals 2022 / 12 p. : ill <https://doi.org/10.3390/ph15010087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Extraction of bioactive compounds from *Dipsacus fullonum* leaves using deep eutectic solvents**

**Saar-Reismaa, Piret; Koel, Mihkel; Tarto, Riin; Vaher, Merike** Journal of chromatography A 2022 / art. 463330 <https://doi.org/10.1016/j.chroma.2022.463330> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Extreme inundation statistics on a composite beach**

**Abdalazeez, Ahmed; Didenkulova, Irina;** Dutykh, Denys; Labart, Celine Water 2020 / art. 1573, 13 p. : ill <https://doi.org/10.3390/w12061573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fabrication, potentiometric characterization, and application of screen-printed RuO<sub>2</sub> pH electrodes for water quality testing**

Uppuluri, Kiranmai; **Lazouskaya, Maryna**; Szwagierczak, Dorota; Zaraska, Krzysztof; Tamm, Martti Sensors 2021 / art. 5399, 15 p. : ill <https://doi.org/10.3390/s21165399> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**FedBranched : leveraging federated learning for anomaly-aware load forecasting in energy networks**

Manzoor, Habib Ullah; Khan, Ahsan Raza; Flynn, David; **Alam, Muhammad Mahtab**; Akram, Muhammad; Imran, Muhammad Ali; Zoha, Ahmed Sensors 2023 / art. 3570 <https://doi.org/10.3390/s23073570> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fingerprinting postblast explosive residues by portable capillary electrophoresis with contactless conductivity detection**

Kobrin, Eeva-Gerda; Lees, Heidi; Fomitšenko, Maria; Kuban, Petr; Kaljurand, Mihkel Electrophoresis 2014 / p. 1165-1172 : ill <https://doi.org/10.1002/elps.201300380> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**First principles simulations of phenol and methanol detector based on pristine graphene nanosheet and armchair graphene nanoribbons**

Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas Sensors 2019 / art. 2731, 14 p. : ill <https://doi.org/10.3390/s19122731> [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](#)

**Forecasting available demand-side flexibility**

Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 39-49 [https://doi.org/10.1007/978-981-15-4627-3\\_4](https://doi.org/10.1007/978-981-15-4627-3_4) [Journal metrics at Scopus](#) [Article at Scopus](#)

**Forkhead transcription factor FOXO3a levels are increased in Huntington disease because of overactivated positive autofeedback loop**

Kannike, Kaja; Sepp, Mari; Zuccato, Chiara; Cattaneo, Elena; Timmusk, Tõnis Journal of biological chemistry 2014 / p. 32845-32857 : ill <https://doi.org/10.1074/jbc.M114.612424> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Formation of [4Fe-4S] clusters in the mitochondrial iron–sulfur cluster assembly machinery**

Brancaccio, Diego; Zovo, Kairit; Palumaa, Peep Journal of the American Chemical Society 2014 / p. 16240-16250 : ill <https://doi.org/10.1021/ja507822j> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Formation of highly organized intracellular structure and energy metabolism in cardiac muscle cells during postnatal development of rat heart**

Anmann, Tiia; Varikmaa, Minna; Timohhina, Natalja; Tepp, Kersti; Shevchuk, Igor; Chekulayev, Vladimir; Saks, Valdur; Kaambre, Tuuli Biochimica et biophysica acta - Bioenergetics 2014 / p. 1350-1361 : ill <https://doi.org/10.1016/j.bbabo.2014.03.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Formation of uniform PVDF fibers under ultrasound exposure in presence of anionic surfactant**

Tarasova, Elvira; Tamberg, K.-G.; Viirsalu, Mihkel; Savest, Natalja; Gudkova, Viktoria; Krasnou, Illia; Krumme, Andres Journal of electrostatics 2015 / p. 39-47 : ill <https://doi.org/10.1016/j.elstat.2015.05.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Formulation of active food packaging by design: Linking composition of the film-forming solution to properties of the chitosan-based film by response surface methodology (RSM) modelling**

Bajić, Marijan; Oberlintner, Ana; Kõrge, Kristi; Likozar, Blaž; Novak, Uroš International Journal of Biological Macromolecules 2020 / p. 971 - 978 <https://doi.org/10.1016/j.jbiomac.2020.05.186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Forward and backward walking : multifactorial characterization of gait parameters**

Donno, Lucia; Monoli, Cecilia; Frigo, Carlo Albino; Galli, Manuela Sensors 2023 / art. 4671 <https://doi.org/10.3390/s23104671> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fractal analysis of electrophysiological signals to detect and monitor depression : what we know so far?**

Čukić, Milena; Olejarczyk, Elzbieta; Bachmann, Maie The Fractal Geometry of the Brain 2024 / p. 677 - 692 [https://doi.org/10.1007/978-3-031-47606-8\\_34](https://doi.org/10.1007/978-3-031-47606-8_34) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Fractional Fourier transform-based signal separation for ultrasonic guided wave inspection of plates**

Peng, Chengxiang; Annus, Paul; Rist, Marek; Land, Raul; Ratassepp, Madis Sensors 2024 / art. 7564 <https://doi.org/10.3390/s24237564> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Functional consequences of TCF4 missense substitutions associated with Pitt-Hopkins syndrome, mild intellectual disability, and schizophrenia**

**Sirp, Alex; Roots, Kaisa; Nurme, Kaja; Tuvikene, Jürgen; Sepp, Mari; Timmusk, Tõnis** The journal of biological chemistry 2021 / art. 101381 <https://doi.org/10.1016/j.jbc.2021.101381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A fungal catalase reacts selectively with the 13S fatty acid hydroperoxide products of the adjacent lipoxygenase gene and exhibits 13S-hydroperoxide-dependent peroxidase activity**

**Teder, Tarvi; Boeglin, William E.; Schneider, Claus; Brash, Alan R.** Biochimica et Biophysica Acta (BBA) - molecular and cell biology of lipids 2017 / p. 706-715 : ill <https://doi.org/10.1016/j.bbalip.2017.03.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Gene expression profiling of puberty-associated genes reveals abundant tissue and sex-specific changes across postnatal development**

Hou, Huayun; **Uusküla-Reimand, Liis**; Makarem, Maisam; Corre, Christina; Saleh, Shems; Metcalf, Ariane; Goldenberg, Anna; Palmert, Mark R.; Wilson, Michael D. Human molecular genetics 2017 / p. 3585-3599 : ill <https://doi.org/10.1093/hmg/ddx246> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A general approach to the synthesis of 5-S-functionalized pyrimidine nucleosides and their analogues**

**Kananovich, Dzmitry; Reino, Aili; Ilmarinen, Kaja; Rõõmusoks, Marko; Karelson, Mati; Lopp, Margus** Organic & biomolecular chemistry 2014 / p. 5634-5644 : ill <https://pubs.rsc.org/en/content/articlelanding/2014/ob/c4ob00597j> <https://doi.org/10.1039/c4ob00597j> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Generation of mixed anhydrides via oxidative fragmentation of tertiary cyclopropanols with phenyliodine(III) dicarboxylates**

Zubrytski, Dzmitry M.; Elek, Gabor Zoltan; **Lopp, Margus; Kananovich, Dzmitry** Molecules 2020 / art. 140 <https://doi.org/10.3390/molecules26010140> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function**

Pattaro, Cristian; Teumer, Alexander; Gorski, Mathias; Chu, Audrey Y.; Li, Man; Mijatovic, Vladan; Garnaas, Maija; Tin, Adrienne; Sorice, Rossella; Li, Yong; **Viigimaa, Margus** Nature Communications 2016 / art. 10023 <https://doi.org/10.1038/ncomms10023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Genome description of Phlebia radiata 79 with comparative genomics analysis on lignocellulose decomposition machinery of phlebioid fungi**

Mäkinen, Mari; Kuuskeri, Jaana; Laine, Pia; **Smolander, Olli-Pekka** BMC genomics 2019 / art. 430, 22 p. : ill <https://doi.org/10.1186/s12864-019-5817-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Genome-scale metabolic modeling reveals metabolic trade-offs associated with lipid production in Rhodotorula toruloides**

**Rejéna, Alina**; Pinheiro, Marina J.; **Bonturi, Nemailla; Belouah, Isma**; Tammekivi, Eliise; Herodes, Koit; Kerkhoven, Eduard J.; **Lahtvee, Petri-Jaan** PLoS computational biology 2023 / art. e1011009 <https://doi.org/10.1371/journal.pcbi.1011009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Genome-wide association analyses identify 18 new loci associated with serum urate concentrations**

Köttgen, Anna; Albrecht, Eva; Teumer, Alexander; Vitart, Veronique; Krumsiek, Jan; Hundertmark, Claudia; Pistis, Giorgio; Ruggiero, Daniela; O'Seaghdha, Conall M.; Haller, Toomas; Yang, Qiong; Tanaka, Toshiko; **Viigimaa, Margus** Nature Genetics 2013 / p. 145 - 154 <https://doi.org/10.1038/ng.2500> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Genome-wide investigation of mRNA lifetime determinants in Escherichia coli cells cultured at different growth rates**

Esquerré, Thomas; Moisan, Annick; Chiapello, Hélène; Arike, Liisa; **Vilu, Raivo**; Gaspin, Christine; Coccagn-Bousquet, Muriel; Girbal, Laurence BMC Genomics 2015 / art. 275 <https://doi.org/10.1186/s12864-015-1482-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Genome-wide meta-analysis identifies novel loci conferring risk of acne vulgaris**

Teder-Laving, Maris; Kals, Mart; Reigo, Anu; **Ehin, Riin**; Objärtel, Telver; Vaht, Mariliis; Nikopensius, Tiit; Metspalu, Andres; Kingo, Külli European Journal of Human Genetics 2024 / p. 1136–1143 <https://doi.org/10.1038/s41431-023-01326-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Genomic alterations as independent prognostic factors to predict the type of lung cancer recurrence**

Valter, A.; **Luhari, Laura**; Pisarev, Heti; Truumees, Birgit; Planken, A.; **Smolander, Olli-Pekka**; Oselin, K. Gene 2023 / art. 147690, 8 p. : ill <https://doi.org/10.1016/j.gene.2023.147690> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Genomic features and copper biosorption potential of a new Alcanivorax sp. VBW004 isolated from the shallow hydrothermal vent (Azores, Portugal)**

**Ramasamy, Kesava Priyan**; Rajasabapathy, Raju; **Lips, Inga**; Mohandass, Chellandi; James, Rathinam Arthur Genomics 2020 / p.

**Genomic footprints of activated telomere maintenance mechanisms in cancer**

Sieverling, Lina; Hong, Chen; Koser, Sandra D.; Ginsbach, Philip; Kleinheinz, Kortine; Hutter, Barbara; Braun, Delia M.; Cortés-Ciriano, Isidro; Xi, Ruibin; **Uusküla-Reimand, Liis** *Nature Communications* 2020 / art. 733, 13 p. ill <https://doi.org/10.1038/s41467-019-13824-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**GLI2 cell-specific activity is controlled at the level of transcription and RNA processing : consequences to cancer metastasis**

**Sadam, Helle**; Liivas, Urmas; **Kazantseva, Anna**; **Pruunsild, Priit**; Kazantseva, Jekaterina; **Timmusk, Tõnis**; Neuman, Toomas; **Palm, Kaia** *Biochimica et Biophysica Acta - Molecular Basis of Disease* 2016 / p. 46 - 55 <https://doi.org/10.1016/j.bbadis.2015.10.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Global sampling of plant roots expands the described molecular diversity of arbuscular mycorrhizal fungi**

Õpik, Maarja; Zobel, Martin; **Metsis, Madis** *Mycorrhiza* 2013 / p. 411-430 : ill <https://doi.org/10.1007/s00572-013-0482-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Globally invariant metabolism but density-diversity mismatch in springtails**

Potapov, Anton M.; Guerra, Carlos A.; van den Hoogen, Johan; Babenko, Anatoly; Bellini, Bruno C.; Berg, Matty P.; Chown, Steven L.; Deharveng, Louis; **Ivask, Mari**; Kuu, Annely *Nature communications* 2023 / art. 674, 13 p. : ill., map <https://doi.org/10.1038/s41467-023-36216-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Glucose impairs aspirin inhibition in platelets through a NAD(P)H oxidase signaling pathway**

**Kobzar, Gennadi**; **Mardla, Vilja**; **Samel, Nigulas** *Prostaglandins & other lipid mediators* 2017 / p. 33-40 : ill <https://doi.org/10.1016/j.prostaglandins.2017.07.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Gly188Arg substitution eliminates substrate inhibition in arachidonate 11R-lipoxygenase**

**Põldmaa, Kaspar**; **Lipp, Maarja**; **Järving, Ivar**; **Samel, Nigulas**; **Eek, Priit** *Biochemical and biophysical research communications* 2019 / p. 81-85 : ill <https://doi.org/10.1016/j.bbrc.2019.08.132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Graphene oxide-terminated hyperbranched amino polymer-carboxymethyl cellulose ternary nanocomposite for efficient removal of heavy metals from aqueous solutions**

Kong, Qiaoping; **Preis, Sergei**; Li, Leli; Luo, Pei; Hua, Yun; Wei, Chaohai *International journal of biological macromolecules* 2020 / p. 581–592 : ill <https://doi.org/10.1016/j.ijbiomac.2020.01.185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A haplotype specific to North European wheat (*Triticum aestivum* L.)**

**Tsõmbalova, Jelena**; **Peuša, Hilma**; **Jakobson, Irena**; **Järve, Kadri** *Genetic resources and crop evolution* 2017 / p. 653-664 : ill <https://doi.org/10.1007/s10722-016-0389-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Heating-induced transition of Potyvirus Potato Virus A coat protein into  $\beta$ -structure**

Ksenofontov, Alexander L.; Parshina, Evgenia Yu; Fedorova, Natalia V.; Arutyunyan, Alexander M.; **Rumvolt, Reet**; **Paalme, Viuu**; Baratova, Ludmila A.; **Järvekülg, Lilian**; Dobrov, Eugeny N. *Journal of biomolecular structure and dynamics* 2016 / p. 250-258 : ill <https://doi.org/10.1080/07391102.2015.1022604> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Helicobacters and cancer, not only gastric cancer?**

Varon, Christine; Azzi-Martin, Lamia; **Khalid, Sadia**; **Spuul, Pirjo** *Seminars in Cancer Biology* 2022 / p. 1138-1154 <https://doi.org/10.1016/j.semcancer.2021.08.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Heterogeneous platinum catalytic aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones**

Reile, Indrek; **Kalle, Sigrid**; Werner, Franz; **Järving, Ivar**; **Kudrjašova, Marina**; **Paju, Anne**; **Lopp, Margus** *Tetrahedron* 2014 / p. 3608-3613 : ill <https://doi.org/10.1016/j.tet.2014.03.104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Heuristic radio access network subslicing with user clustering and bandwidth subpartitioning**

**Kulmar, Marika**; **Müürsepp, Ivo**; **Alam, Muhammad Mahtab** *Sensors* 2023 / art. 4613 : ill <https://doi.org/10.3390/s23104613> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High ambient radiofrequency radiation in Stockholm city, Sweden**

Carlberg, Michael; Hedendahl, Lena; **Koppel, Tarmo**; Hardell, Lennart *Oncology letters* 2019 / p. 1777-1783 : ill <https://doi.org/10.3892/ol.2018.9789> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High precision parabolic quantum wells grown using pulsed analog alloy grading technique: Photoluminescence probing and fractional-dimensional space approach**

Karaliūnas, Mindaugas; Dudutienė, Evelina; Čerškus, Aurimas; Pagalys, Justas; Pūkiene, Simona; **Udal, Andres**; Butkute, Renata; Valušis, Gintaras Journal of luminescence 2021 / art. 118321, 9 p <https://doi.org/10.1016/j.jlumin.2021.118321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A high volume extraction and purification method for recovering DNA from human bone**

Marshall, Pamela L.; **Stoljarova, Monika**; Schmedes, Sarah E.; King, Jonathan L.; Budowle, Bruce Forensic science international: genetics 2014 / p. 155-160 : ill <https://doi.org/10.1016/j.fsigen.2014.06.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **High-coverage whole-genome analysis of 1220 cancers reveals hundreds of genes deregulated by rearrangement-mediated cis-regulatory alterations**

Zhang, Yiqun; Chen, Fengju; Fonseca, Nuno A.; He, Yao; Fujita, Masashi; Nakagawa, Hidewaki; Zhang, Zemin; Brazma, Alvis; Amin, Samirkumar B.; **Uusküla-Reimand, Liis** Nature Communications 2020 / Art. nr. 736 <https://doi.org/10.1038/s41467-019-13885-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Highly chemo- and regioselective synthesis and subsequent directional catalyst-free transformation of enantiopure bioxirane derivatives**

Hu, Xiaoyun; Li, Kang; Guo, Jianxin; Wang, Cui; Ma, Ling; **Borovkov, Victor** Tetrahedron 2022 / art. 132763 <https://doi.org/10.1016/j.tet.2022.132763> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **H-MAS**

**Samoson, Ago** Journal of magnetic resonance 2019 / p. 167-172 : ill <https://doi.org/10.1016/j.jmr.2019.07.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Horizontal or vertical? Windows' layout selection for shading devices optimization**

**De Luca, Francesco**; Voll, Hendrik; Thalfeldt, Martin Management of environmental quality : an international journal 2016 / p. 623-633 : ill <https://doi.org/10.1108/MEQ-05-2015-0102> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Hsa-mir-548 family expression in human reproductive tissues**

**Rooda, Ilmatar**; Kaselt, Birgitta; Liivrand, Maria; Smolander, Olli-Pekka; Salumets, Andres; **Velthut-Meikas, Agne** BMC Genomic Data 2021 / Art. 40 <https://doi.org/10.1186/s12863-021-00997-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Human centenarian-associated SIRT6 mutants modulate hepatocyte metabolism and collagen deposition in multilineage hepatic 3D spheroids**

Frohlich, Jan; Raffaele, Marco; Skalova, Helena; Leire, Eric; Pata, Illar; **Pata, Pille**; Gorbunova, Vera; Vinciguerra, Manlio GeroScience 2023 / p. 1177 - 1196 <https://doi.org/10.1007/s11357-022-00713-1> [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; **Õpik, Andres**; Furchner, Andreas; Sõritski, 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](#)

### **<sup>1</sup>H line width dependence on MAS speed in solid state NMR - comparison of experiment and simulation**

Sternberg, Ulrich; **Witter, Raiker**; Kuprov, Ilya; Lamley, Jonathan M.; **Oss, Andres**; Lewandowski, Jozef R.; **Samoson, Ago** Journal of magnetic resonance 2018 / p. 32-39 : ill <https://doi.org/10.1016/j.jmr.2018.04.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Hydroxamic acids as PARP-1 inhibitors : molecular design and anticancer activity of novel phenanthridinones**

**Bondar, Denys**; Bragina, Olga; Lee, Ji Young; Semenyuta, Ivan; **Järving, Ivan**; Brovarets, Volodymyr; Wipf, Peter; Bahar, Ivet; **Karpichev, Yevgen** Helvetica chimica acta 2023 / art. e202300133, 26 p. : ill <https://doi.org/10.1002/hlca.202300133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Identification and recombinant production of a flavonoid glucosyltransferase with broad substrate specificity from Vaccinium corymbosum**

**Kukk, Kaia** Journal of plant biochemistry and biotechnology 2024 / 5 p <https://doi.org/10.1007/s13562-024-00876-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Identification of a novel member of 2H phosphoesterases, 2',5'-oligoadenylate degrading ribonuclease from the oyster Crassostrea gigas**

Lopp, Annika; Reintamm, Tõnu; Kuusksalu, Anne; Olsper, Allan; Kelve, Merike Biochimie 2019 / p. 181-195 : ill

### Identification of a small molecule that stabilizes lipoprotein lipase in vitro and lowers triglycerides in vivo

Larsson, Mikael; Caraballo, Remi; **Lookene, Aivar** Biochemical and biophysical research communications 2014 / p. 1063-1069 : ill <https://doi.org/10.1016/j.bbrc.2014.06.114> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Identification of glycolytic proteins as binding partners of Bri2 BRICHOS domain

Tigro, Helene; Shimozaawa, Makoto; Nilsson, Per; Lyashkov, Alexey; Khadeer, Mohammed; **Järving, Ivar**; Ferrucci, Luigi; Shimmo, Ruth; Johansson, Jan; Moaddel, Ruin Journal of pharmaceutical and biomedical analysis 2023 / art. 115465, 8 p. : ill <https://doi.org/10.1016/j.jpba.2023.115465> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Identification of two highly antigenic epitope markers predicting multiple sclerosis in optic neuritis patients

**Sadam, Helle**; Pihlak, Arno; **Jaago, Mariliis**; Pupina, Nadežda; **Rähni, Annika**; Toots, Maarja; Vaheri, Antti; Nieminen, Janne K.; Siuko, Mika; Tienari, Pentti J.; **Palm, Kaia** EBioMedicine 2021 / art. 103211, 8 p <https://doi.org/10.1016/j.ebiom.2021.103211> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Immune response to a conserved enteroviral epitope of the major capsid VP1 protein is associated with lower risk of cardiovascular disease

Pupina, Nadežda; **Avarlaid, Annela**; **Sadam, Helle**; Pihlak, Arno; **Jaago, Mariliis**; **Tuvikene, Jürgen**; **Rähni, Annika**; Planken, Anu; Planken, Margus; Kalso, Eija; Tienari, Pentti J.; Nieminen, Janne K.; Seppänen, Mikko R.J.; Vaheri, Antti; Lindholm, Dan; Sinisalo, Juha; Pussinen, Pirkko; **Timmusk, Tõnis**; **Palm, Kaia** eBioMedicine 2022 / art. 103835, 14 p. : ill <https://doi.org/10.1016/j.ebiom.2022.103835> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Immunodetection of Streptococcus uberis pathogen in raw milk

Mihklepp, Kaisa; **Kivirand, Kairi**; Juronen, Delia; **Löökene, Aivar**; Rinken, Toonika Enzyme and microbial technology 2019 / art. 109360, 6 p. : ill <https://doi.org/10.1016/j.enzmictec.2019.109360> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### The impact and future of artificial intelligence in medical genetics and molecular medicine : an ongoing revolution

Ozelik, Firat; Dundar, Mehmet Sait; Yildirim, A. Baki; Henehan, Gary; Vicente, Oscar; Sanchez-Alcazar, Jose; Gokce, Nuriye; Yildirim, Duygu T.; Bingol, Nurdeniz Nalbant; **Nei, Lembit** Functional & integrative genomics 2024 / art. 138 <https://doi.org/10.1007/s10142-024-01417-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Impact of seasonal climate change on optical and molecular properties of river water dissolved organic matter by HPLC-SEC and UV-vis spectroscopy

**Lepane, Viia**; **Depret, Laura**; **Väli, Anna-Liisa**; **Suursööt, Kristel** Chemical and Biological Technologies in Agriculture 2015 / p. 1-7 : ill <https://doi.org/10.1186/s40538-015-0040-6> [Journal metrics at Scopus](#) [Article at Scopus](#)

### Improving taxonomic classification of marine zooplankton by molecular approach: registration of taxonomically verified 18S and 28S rRNA gene sequences

Watanabe, Tsuyoshi; Hirai, Junya; **Sildever, Sirje**; Tadokoro, Kazuaki; Hidaka, Kiyotaka; Tanita, Iwao; Nishiuchi, Koh; Iguchi, Naoki; Kasai, Hiromi; Nishi, Noriko; Katakura, Seiji; Taniuchi, Yukiko; Kodama, Taketoshi; Tashiro, Satokuni; Nakae, Misato; Okazaki, Yuji; Kitajima, Satoshi; Sogawa, Sayak; Hasegawa, Toru; Azumaya, Tomonori; Hiroe, Yutaka; Ambe, Daisuke; Setou, Takashi; Ito, Daiki; Kusaka, Akira; Okunishi, Takeshi; Tanaka, Takahiro; Kuwata, Akira; Hasegawa, Daisuke; Kakehi, Shigehito; Shimizu, Yugo; Nagai, Satosh PeerJ 2023 / art. e15427 <https://doi.org/10.7717/peerj.15427> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Increased striatal VMAT2 binding in mice after chronic administration of methcathinone and manganese

Asser, Andres; Kõks, Sulev; Snellman, Anniina; Haaparanta-Solin, Merja; Arponen, Eveliina; Grönroos, Tove; **Nairismägi, Jaak**; Bergquist, Jonas; Soomets, Urel; Piip, Piret; Eltermaa, Mall Brain Research 2016 / p. 97 - 102 <https://doi.org/10.1016/j.brainres.2016.09.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Increasing incidence of thyroid cancer in the Nordic countries with main focus on Swedish data

Carlberg, Michael; Hedendahl, Lena; Ahonen, Mikko; **Koppel, Tarmo**; Hardell, Lennart BMC cancer 2016 / p. 1-15 : ill <https://doi.org/10.1186/s12885-016-2429-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### In-depth analysis of transcriptomes in ovarian cortical follicles from children and adults reveals interfollicular heterogeneity

**Rooda, Ilmatar**; Hassan, Jasmin; Hao, Jie; Wagner, Magdalena; Moussaud-Lamodièrre, Elisabeth; Jääger, Kersti; Ojala, Marjut; Knuus, Katri; Lindskog, Cecilia; Velthut-Meikas, Agne Nature communications 2024 / art. 6989 <https://doi.org/10.1038/s41467-024-51185-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Individual and simultaneous degradation of sulfamethoxazole and trimethoprim by ozone, ozone/hydrogen peroxide and ozone/persulfate processes: A comparative study

Adil, Sawaira; Maryam, Bareera; Kim, Eun-Ju; **Dulova, Niina** Environmental research 2020 / art. 109889, 10 p <https://doi.org/10.1016/j.envres.2020.109889> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Indoor Trichoderma strains emitting peptaibols in guttation droplets

Castagnoli, Emmanuelle; Marik, Tamas; Mikkola, Raimo; Kredics, Laszlo; Andersson, Maria A.; Salonen, Heidi; **Kurnitski, Jarek** Journal of applied microbiology 2018 / p. 1408-1422 <https://doi.org/10.1111/jam.13920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Inferring structural variant cancer cell fraction

Cmero, Marek; Yuan, Ke; Ong, Cheng Soon; Schröder, Jan; Adams, David J.; Anur, Pavana; Beroukhi, Rameen; Boutros, Paul C.; Bowtell, David D. L.; **Uusküla-Reimand, Liis** Nature Communications 2020 / Art. nr. 730 <https://doi.org/10.1038/s41467-020-14351-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Influence of environmental variables on biochemical biomarkers in the amphipod monoporeia affinis from the Gulf of Riga (Baltic Sea)

Strode, Evita; Barda, Ieva; Suharev, Natalija; **Kolesova, Natalja**; Turja, Raisa; Lehtonen, Kari K. Water 2023 / art. 248 <https://doi.org/10.3390/w15020248> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Influence of gemcitabine chemotherapy on the microbiota of pancreatic cancer xenografted mice

Panebianco, Concetta; **Adamberg, Kaarel**; Jaagura, Madis; **Adamberg, Signe**; Kolk, Kaia; Vilu, Raivo; Andriulli, Angelo; Pazienza, Valerio Cancer chemotherapy and pharmacology 2018 / p. 773–782 : ill <https://doi.org/10.1007/s00280-018-3549-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### The influence of organic solvents on phenylethylamines in capillary zone electrophoresis

**Bolkvadze, Vyacheslav**; Bondar, Denys; Vaher, Merike; Halling, Evelin; Gorbatšova, Jelena; Mazina-Šinkar, Jekaterina Journal of chromatography A 2022 / art. 463169, 9 p. : ill <https://doi.org/10.1016/j.chroma.2022.463169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Inhibition of pyruvate dehydrogenase kinase influence microbiota and metabolomic profile in pancreatic cancer xenograft mice

**Adamberg, Kaarel**; Vilu, Raivo; Pazienza, Valerio BMC Research Notes 2020 / art. 540 <https://doi.org/10.1186/s13104-020-05384-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Insights on engineered microbes in sustainable agriculture : biotechnological developments and future prospects

Sudheer, Surya; Bai, Renu Geetha; **Usmani, Zeba**; Sharma, Minaxi Current Genomics 2020 / p. 321-333 <https://doi.org/10.2174/1389202921999200603165934> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Insulin fibrillization at acidic and physiological pH values is controlled by different molecular mechanisms

**Noormägi, Andra**; Valmsen, Karin; Tõugu, Vello; Palumaa, Peep The protein journal 2015 / p. 398-403 : ill <https://doi.org/10.1007/s10930-015-9634-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Integrated decision support system for pluvial flood-resilient spatial planning in urban areas

Truu, Murel; Annus, Ivar; Roosimägi, Janet; Kändler, Nils; Vassiljev, Anatoli; Kaur, Katrin Water 2021 / art. 3340, 19 p. : ill <https://doi.org/10.3390/w13233340> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Integrated transcriptomic, proteomic, and metabolomics analysis reveals peel ripening of harvested banana under natural condition

Yun, Ze; Li, Taotao; Gao, Huijun; Zhu, Hong; **Gupta, Vijai Kumar**; Jiang, Yueming; Duan, Xuewu Biomolecules 2019 / Art. nr. 167 <https://doi.org/10.3390/biom9050167> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Integrating gene and protein expression data with genome-scale metabolic networks to infer functional pathways

Pey, Jon; **Valgepea, Kaspar**; Rubio, Angel; Beasley, John E; Planes, Francisco Javier BMC Systems Biology 2013 / art. 134 <https://doi.org/10.1186/1752-0509-7-134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Integrative pathway enrichment analysis of multivariate omics data

Paczkowska, Marta; Barenboim, Jonathan; Sintupisut, Nardnisa; Fox, Natalie S.; Zhu, Helen; Abd-Rabbo, Diala; Mee, Miles W.; Boutros, Paul C.; Abascal, Federico; **Uusküla-Reimand, Liis** Nature Communications 2020 / Art. nr. 735 <https://doi.org/10.1038/s41467-019-13983-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Intelligent control and digital twins for industry 4.0

Tepljakov, Aleksei Sensors 2023 / art. 4036 <https://doi.org/10.3390/s23084036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Interactome rewiring following pharmacological targeting of BET bromodomains

Lambert, Jean-Philippe; Picaud, Sarah; Fujisawa, Takao; **Uusküla-Reimand, Liis** Molecular cell 2019 / p. 621-638.e17 : ill <https://doi.org/10.1016/j.molcel.2018.11.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Introducing Pitt-Hopkins syndrome-associated mutations of TCF4 to Drosophila daughterless

**Tamberg, Laura; Sepp, Mari; Timmusk, Tõnis; Palgi, Mari** Biology open 2015 / p. 1762-1771 : ill <https://doi.org/10.1242/bio.014696>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Intronic enhancer region governs transcript-specific Bdnf expression in rodent neurons**

**Tuvikene, Jürgen; Esvald, Eli-Eelika; Rähni, Annika; Uustalu, Kaie;** Zhuravskaya, Anna; **Avarlaid, Annela;** Makeyev, Eugene V.; **Timmusk, Tõnis** eLife 2021 / art. e65161 <https://doi.org/10.7554/eLife.65161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Investigating different sources of flexibility in power system**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo;** Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 27-37  
[https://doi.org/10.1007/978-981-15-4627-3\\_3](https://doi.org/10.1007/978-981-15-4627-3_3) [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Investigating the impact of vitrification on bovine ovarian tissue morphology, follicle survival, and transcriptomic signature**

**Deligiannis, Spyridon P.; Kask, Keiu; Modhukur, Vijayachitra; Boskovic, Nina; Ivask, Marilin; Jaakma, Ülle; Damdimopoulou, Paulina; Tuuri, Timo; Velthut-Meikas, Agne; Salumets, Andres** Journal of Assisted Reproduction and Genetics 2024 / p. 1035-1055  
<https://doi.org/10.1007/s10815-024-03038-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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](#)

#### **Involvement of Escherichia coli YbeX/CorC in ribosomal metabolism**

**Sangül, İsmail; Žukova, Amata; Alparslan, Emel; Remm, Sille; Pihlak, Margus;** Kaldalu, Niilo; Tenson, Tanel; Maiväli, Ülo Molecular Microbiology 2024 / p. 984 - 1001 <https://doi.org/2-s2.0-85188420785> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **IOCBIO Kinetics : an open-source software solution for analysis of data traces**

**Vendelin, Marko; Laasmaa, Martin; Kalda, Mari; Branovets, Jelena; Karro, Niina; Barsunova, Karina; Birkedal Nielsen, Rikke** PLoS computational biology 2020 / art. e1008475 <https://doi.org/10.1371/journal.pcbi.1008475> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **IOCBIO Sparks detection and analysis software**

**Laasmaa, Martin; Karro, Niina; Birkedal Nielsen, Rikke; Vendelin, Marko** PeerJ 2019 / art. e6652, 28 p. : ill  
<https://doi.org/10.7717/peerj.6652> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Isolated Potato Virus A coat protein possesses unusual properties and forms different short virus-like particles**

**Ksenofontov, Alexander L.; Dobrov, Eugeny N.; Fedorova, Natalia V.; Paalme, Viuu; Järvekülg, Lilian** Journal of biomolecular structure and dynamics 2017 / p. 1-11 : ill <https://doi.org/10.1080/07391102.2017.1333457> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Isolation and identification of novel non-dairy starter culture candidates from plant matrix using backslipping propagation**

**Andreson, Maret;** Kazantseva, Jekaterina; Kallastu, Aili; Jakobson, Taaniel; **Sarand, Inga;** Kütt, Mary-Liis Fermentation 2024 / art. 663 <https://doi.org/10.3390/fermentation10120663> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **A kinetic view of the mechanism of the Grignard reaction with alkoxysilanes**

**Ploom, Anu;** Tuulmets, Ants; Panov, Dmitri; Burk, Peeter Phosphorus, sulfur, and silicon and the related elements 2015 / p. 509-519 : ill <https://doi.org/10.1080/10426507.2014.952002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **The landscape of viral associations in human cancers**

**Zapatka, Marc; Borozan, Ivan; Brewer, Daniel S.; Iskar, Murat; Grundhoff, Adam; Alawi, Malik; Desai, Nikita; Sülthmann, Holger; Moch, Holger; Cooper, Colin S.; Uusküla-Reimand, Liis** Nature Genetics 2020 / p. 320 - 330 <https://doi.org/10.1038/s41588-019-0558-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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](#)

#### **Leptin increases hepatic triglyceride export via a vagal mechanism in humans**

**Metz, Matthäus; Beghini, Marianna; Wolf, Peter; Pfeiffer, Lorenz; Hackl, Martina; Bastian, Magdalena; Freudenthaler, Angelika; Harreiter, Jürgen; Risti, Robert; Löökene, Aivar** Cell Metabolism 2022 / p. 1719-1731 <https://doi.org/10.1016/j.cmet.2022.09.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lidar-camera semi-supervised learning for semantic segmentation**

Caltagirone, Luka; **Bellone, Mauro**; Svensson, Lennart; Wahde, Mattias; **Sell, Raivo** Sensors 2021 / art. 4813

<https://doi.org/10.3390/s21144813> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lipase-catalyzed stereoresolution of long-chain 1,2-alkanediols: a screening of preferable reaction conditions**

Parve, Jaan; Reile, Indrek; **Aid, Tiina**; **Kudrjašova, Marina**; **Müürisepp, Aleksander-Mati**; Vallikivi, Imre; **Villo, Ly**; **Aav, Riina**; Pehk, Tõnis; Vares, Lauri; **Parve, Omar** Journal of molecular catalysis B : enzymatic 2015 / p. 60-69 : ill

<https://doi.org/10.1016/j.molcatb.2015.03.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lipopolysaccharide-induced priming enhances NO-mediated activation of defense responses in pearl millet challenged with Sclerospora graminicola**

Lavanya, S.N.; Udayashankar, A.C.; Raj, S. Niranjana; Mohan, Chakrabhavi Dhananjaya; **Gupta, Vijai Kumar**; Tarasatyavati, C.;

Srivastava, R.; Nayaka, S. Chandra 3 Biotech 2018 / Art. nr. 475 <https://doi.org/10.1007/s13205-018-1501-y> [Journal metrics at Scopus](#)

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

### **Lipoprotein lipase activity and interactions studied in human plasma by isothermal titration calorimetry**

**Reimund, Mart**; **Kovrov, Oleg**; Olivecrona, Gunilla; **Löökene, Aivar** Journal of lipid research 2017 / p. 279-288 : ill

<https://doi.org/10.1194/jlr.D071787> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metric at WOS](#) [Article at WOS](#)

### **Lipoxygenase-catalyzed transformation of epoxy fatty acids to hydroxy-endoperoxides : a potential P450 and lipoxygenase interaction**

**Teder, Tarvi**; Boeglin, William E.; Brash, Alan R. Journal of lipid research 2014 / p. 2587-2596 : ill <https://doi.org/10.1194/jlr.M054072>

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

### **Lithium ions display weak interaction with amyloid-beta (A $\beta$ ) peptides and have minor effects on their aggregation**

**Berntsson, Elina**; Paul, Suman; Vosough, Faraz; Sholts, Sabrina B.; Jarvet, Jüri; Roos, Per M.; Barth, Andreas; Gräslund, Astrid;

Wärmländer, Sebastian K.T.S. Acta biochimica Polonica 2021 / p. 169-179 [https://doi.org/10.18388/abp.2020\\_5493](https://doi.org/10.18388/abp.2020_5493) [Journal metrics at Scopus](#)

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

### **Long-haul optical transmission link using low-noise phase-sensitive amplifiers**

Olsson, Samuel L. I.; Eliasson, Henrik; **Astra, Egon**; Karlsson, Magnus; Andrekson, Peter Avo Nature communications 2018 / art.

2513, 7 p. : ill <https://doi.org/10.1038/s41467-018-04956-5> Eesti 27 aastat internetis välismaailmaga: teadlaste uus andmeedastustehnoloogia

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

### **Long-Term Consequences of Water Pumping on the Ecosystem Functioning of Lake Sekšu, Latvia**

Zawiska, Izabela; Dimante-Deimantovica, Inta; Luoto, Tomi P.; **Stivriņš, Normunds** Water 2020 / art. 1459

<https://doi.org/10.3390/w12051459> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Long-term follow-up of biomarkers of vascular calcification after switch from traditional hemodialysis to online hemodiafiltration**

**Uhlin, Nils Fredrik Arne**; Fernström, Anders; Knapen, Marjo H.J.; Vermeer, Cees; Magnusson, Per Scandinavian journal of clinical &

laboratory investigation 2019 / p. 174-181 <https://doi.org/10.1080/00365513.2019.1576218> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

### **LXXLL peptide converts transportan 10 to a potent inducer of apoptosis in breast cancer cells**

Tints, Kairit; Prink, Madis; Neuman, Toomas; **Palm, Kaia** International journal of molecular sciences 2014 / p. 5680-5698 : ill

<https://doi.org/10.3390/ijms15045680> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lynch syndrome mutations shared by the Baltic States and Poland**

Dymerska, D.; **Kelve, Merike** Clinical genetics 2014 / p. 190-193 : ill <https://doi.org/10.1111/cge.12251> [Journal metrics at Scopus](#)

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

### **A machine learning approach to achieving energy efficiency in relay-assisted LTE-a downlink system**

Hassan, Hammad; Ahmed, Ifran; Ahmad, Rizwan; Khammari, Hedi; Bhatti, Ghulam; Ahmed, Waqas; **Alam, Muhammad Mahtab**

Sensors 2019 / art. 3461, 25 p. : ill <https://doi.org/10.3390/s19163461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

### **Machine learning-based prediction of specific energy consumption for cut-off grinding**

Awan, Muhammad Rizwan; Rojas, Hernan A. Gonzalez; **Hameed, Saqib**; Riaz, Fahid; Hamid, Shahzaib; **Hussain, Abrar** Sensors

2022 / art. 7152 <https://doi.org/10.3390/s22197152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Male infertility: Decreased levels of selenium, zinc and antioxidants**

Türk, Silver; Mändar, Reet; Mahlapuu, Riina; **Viitak, Anu**; Punab, Margus; Kullisaar, Tiit Journal of trace elements in medicine and

biology 2014 / p. 179-185 <https://doi.org/10.1016/j.jtemb.2013.12.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

**Man-made flows from a fish's perspective : autonomous classification of turbulent fishway flows with field data collected using an artificial lateral line**

**Tuhtan, Jeffrey Andrew; Fuentes-Pérez, Juan Francisco; Toming, Gert;** Schneider, Matthias; Schwarzenberger, Richard; Schletterer, Martin; **Kruusmaa, Maarja** Bioinspiration & biomimetics 2018 / art. 046006, 17 p. : ill <https://doi.org/10.1088/1748-3190/aabc79> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanical waves in myelinated axons**

**Tamm, Kert; Peets, Tanel; Engelbrecht, Jüri** Biomechanics and modeling in mechanobiology 2022 / p. 1285-1297

<https://doi.org/10.1007/s10237-022-01591-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mechanism of low-level microwave radiation effect on nervous system**

**Hinrikus, Hiie; Bachmann, Maie; Karai, Denis; Lass, Jaanus** Electromagnetic biology and medicine 2017 / p. 202-212

<https://doi.org/10.1080/15368378.2016.1251451> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Melinacidin-producing Acrostalagmus luteoalbus, a major constituent of mixed mycobiota contaminating insulation material in an outdoor wall**

**Andersson, Maria A.; Salo, Johanna; Mikkola, Raimo; Marik, Tamas; Kredics, Laszlo; Kurnitski, Jarek; Salonen, Heidi** Pathogens 2021 / art. 843

<https://doi.org/10.3390/pathogens10070843> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mercury and Alzheimer's disease: Hg(II) ions display specific binding to the amyloid- $\beta$  peptide and hinder its fibrillization**

**Wallin, Cecilia; Friedemann, Merlin;** Sholts, Sabrina B.; **Noormägi, Andra;** Svantesson, Teodor; Järvet, Jüri; Roos, Per M.;

**Palumaa, Peep;** Gräslund, Astrid; Wärmländer, Sebastian K.T.S. Biomolecules 2020 / art. 44, 23 p. : ill

<https://doi.org/10.3390/biom10010044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A meta-analysis of gene expression signatures of blood pressure and hypertension**

**Huan, Tianxiao; Esko, Tõnu; Peters, Marjolein J.; Pilling, Luke C.; Schramm, Katharina; Schurmann, Claudia; Chen, Brian H.; Liu, Chunyu; Joezhanes, Roby; Johnson, Andrew D.; Viigimaa, Margus** PLoS Genetics 2015 / art. e1005035

<https://doi.org/10.1371/journal.pgen.1005035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Metabolic compartmentation in rainbow trout cardiomyocytes : coupling of hexokinase but not creatine kinase to mitochondrial respiration**

**Karro, Niina; Sepp, Mervi; Jugai, Svetlana; Laasmaa, Martin; Vendelin, Marko; Birkedal Nielsen, Rikke** Journal of comparative physiology B 2017 / p. 103-116 : ill

<https://doi.org/10.1007/s00360-016-1025-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Metal ratios as possible biomarkers for amyotrophic lateral sclerosis**

**Koski, Lassi; Berntsson, Elina;** Vikström, Max; Wärmländer, Sebastian K.T.S.; Roos, Per M. Journal of trace elements in medicine and biology 2023 / art. 127163, 8 p. : ill

<https://doi.org/10.1016/j.jtemb.2023.127163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Metallothionein 2A affects the cell respiration by suppressing the expression of mitochondrial protein cytochrome c oxidase subunit II**

**Bragina, Olga; Gurjanova, Karina; Krištal, Jekaterina; Kulp, Maria; Karro, Niina; Tõugu, Vello; Palumaa, Peep** Journal of

bioenergetics and biomembranes 2015 / p. 209-216 : ill <https://doi.org/10.1007/s10863-015-9609-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Metals in ALS TDP-43 pathology**

**Koski, Lassi; Ronnevi, Cecilia; Berntsson, Elina;** Wärmländer, Sebastian K.T.S.; Roos, Per M. International Journal of Molecular

Sciences 2021 / Art. nr. 12193 <https://doi.org/10.3390/ijms222212193> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Methodology for analysis of peptide consumption by yeast during fermentation of enzymatic protein hydrolysate supplemented synthetic medium using UPLC-IMS-HRMS**

**Arju, Georg; Berg, Hidde Yael; Lints, Taivo; Nisamedtinov, Ildar** Fermentation 2022 / art. 145, 20 p. : ill

<https://doi.org/10.3390/fermentation8040145> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Methods for detection of bioimpedance variations in resource constrained environments**

**Priidel, Eiko; Annus, Paul; Krivošei, Andrei; Rist, Marek; Land, Raul; Min, Mart; Märten, Olev** Sensors 2020 / art. 1363, 16 p. : ill

<https://doi.org/10.3390/s20051363> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Micellar electrokinetic chromatography method for the analysis of synthetic and phytocannabinoids**

**Laanet, Pille-Riin; Vaher, Merike; Saar-Reismaa, Piret** Journal of chromatography A 2022 / art. 463080

<https://doi.org/10.1016/j.chroma.2022.463080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microbial beta glucosidase enzymes : recent advances in biomass conversation for biofuels application**

Srivastava, Neha; Rathour, Rishabh; Jha, Sonam; Pandey, Karan; Srivastava, Manish; Thakur, Vijay Kumar; Sengar, Rakesh Singh; **Gupta, Vijai Kumar**; Mazumder, Pranab Behari; Khan, Ahamad Faiz; Mishra, Pradeep Kumar Biomolecules 2019 / art. 220 <https://doi.org/10.3390/biom9060220> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Microbial cancer therapeutics : a promising approach**

Diwan, Deepti; Cheng, Lei; **Usmani, Zeba**; Sharma, Minaxi; Holden, Nicola; Willoughby, Nicholas; Sangwan, Neelam; Baadhe, Rama Raju; Liu, Chenchen; Gupta, Vijai Kumar Seminars in Cancer Biology 2022 / p. 931 - 950 <https://doi.org/10.1016/j.semcancer.2021.05.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Microbial engineering biotechnologies : editorial**

Singh, Brahma N.; Raghubanshi, Akhilesh S.; Koffas, Mattheos; **Gupta, Vijai Kumar** Biotechnology Advances 2019 / art. 107399, 4 p. : ill <https://doi.org/10.1016/j.biotechadv.2019.05.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Microbiome interconnectedness throughout environments with major consequences for healthy people and a healthy planet**

Sessitsch, Angela; Wakelin, Steve; Schloter, Michael; Maguin, Emmanuelle; Cernava, Tomislav; Champomier-Verges, Marie-Christine; Charles, Trevor C.; Cotter, Paul D.; Ferrocino, Ilario; Kriaa, Aicha; Lebre, Pedro; Cowan, Don; Lange, Lene; Kiran, Seghal; Markiewicz, Lidia; Meisner, Annelein; Olivares, Marta; **Sarand, Inga**; Schelkle, Bettina; Selvin, Joseph; Smidt, Hauke; van Overbeek, Leo; Berg, Gabriele; Coccolin, Luca; Sanz, Yolanda; Fernandes, Wilson Lemos; Liu, S. J.; Ryan, Matthew; Singh, Brajesh; Kostic, Tanja Microbiology and molecular biology reviews 2023 <https://doi.org/10.1128/membr.00212-22> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Microbiome of root vegetables - a source of gluten-degrading bacteria**

Kõiv, Viia; **Adamberg, Kaarel**; **Adamberg, Signe**; Sumeri, Ingrid; Kasvandik, Sergo; Kisand, Veljo; Maiväli, Ülo; Tenson, Tanel Applied microbiology and biotechnology 2020 / p. 8871-8885 : ill <https://doi.org/10.1007/s00253-020-10852-0> [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, Pawel; **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](#)

#### **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](#)

#### **Mitochondrial respiration in KRAS and BRAF mutated colorectal tumors and polyps**

**Rebane-Klemm, Egle**; **Truu, Laura**; **Reinsalu, Leenu**; Puurand, Marju; Ševtšuk, Igor; Tšekulajev, Vladimir; Timohhina, Natalja; Tepp, Kersti; Bogovskaja, Jelena; Afanasjev, Vladimir; Suurmaa, Külli; Valvere, Vahur; Käämbre, Tuuli Cancers 2020 / art. 815 <https://doi.org/10.3390/cancers12040815> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Modelling of a biologically inspired robotic fish driven by compliant parts**

**EL Daou, Hadi**; **Salumäe, Taavi**; Chambers, Lily D.; McGill, William M.; **Kruusmaa, Maarja** Bioinspiration & biomimetics 2014 / p. 1-11 : ill <https://doi.org/10.1088/1748-3182/9/1/016010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Modelling of processes in nerve fibres at the interface of physiology and mathematics**

**Engelbrecht, Jüri**; Tamm, Kert; **Peets, Tanel** Biomechanics and modeling in mechanobiology 2020 / p. 2491-2496 <https://doi.org/10.1007/s10237-020-01350-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Modular synthesis of (Borylmethyl)silanes through orthogonal functionalization of a carbon atom**

Chowdhury, Rajdip; **Elek, Gábor Zoltán**; Meana-Baamonde, B.; Mendoza, Abraham Organic letters 2023 / p. 1935-1940 : ill <https://doi.org/10.1021/acs.orglett.3c00474> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Molecular aspects of the isolated limb infusion procedure**

**Teras, Jüri**; Carr, Michael J.; Zager, Jonathan S.; Kroon, Hidde M. Biomedicine 2021 / art. 163, 13 p. : ill <https://doi.org/10.3390/biomedicine9020163> [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](#)

#### **Molecular mechanism of mitoquinol mesylate in mitigating the progression of hepatocellular carcinoma - in silico and in vivo studies**

Sulaimon, Lateef Adegboyega; Adisa, Rahmat Adetutu; Samuel, Titilola Aderonke; Joel, Ireoluwa Yinka; **Ayankojo, Akinrinade**

**George;** Abdulkareem, Fatimah Biade; Olaniyi, Timothy Olajire Journal of Cellular Biochemistry 2021 / p. 1157-1172  
<https://doi.org/10.1002/jcb.29937> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Molecularly imprinted polymer film interfaced with Surface Acoustic Wave technology as a sensing platform for label-free protein detection**

**Tretjakov, Aleksei; Söritski, Vitali; Reut, Jekaterina; Boroznjak, Roman; Öpik, Andres** Analytica chimica acta 2016 / p. 182-188 : ill <https://doi.org/10.1016/j.aca.2015.11.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Monitoring harmful microalgal species and their appearance in Tokyo Bay, Japan, using metabarcoding**

**Sildever, Sirje;** Nishi, Noriko; Inaba, Nobuharu; Asakura, Taiga; Kikuchi, Jun; Asano, Yasuhito; Kobayashi, Takanori; Gojobori, Takashi; Nagai, Satoshi Metabarcoding and metagenomics 2022 / art. e79471 <https://doi.org/10.3897/mbmg.6.79471> [Journal metrics at Scopus](#) [Article at Scopus](#)

**More comprehensive forensic genetic marker analyses for accurate human remains identification using massively parallel DNA sequencing**

Ambers, Angie D.; Cihlar, Jennifer Churchill; King, Jonathan L.; **Stoljarova, Monika;** Gill-King, Harrell; Assidi, Mourad; Abu-Elmagd, Muhammad; Buhmeida, Abdelbaset; Budowle, Bruce BMC Genomics 2016 / art. 750 <https://doi.org/10.1186/s12864-016-3087-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Morphological variation suggests that chitinozoans may be fossils of individual microorganisms rather than metazoan eggs**

**Liang, Yan;** Bernardo, Joseph; Goldman, Daniel; **Nölvak, Jaak;** Tang, Peng; Wang, Wenhui; **Hints, Olle** Proceedings of the Royal Society B: Biological Sciences 2019 / art. 20191270, 8 p. : ill <https://doi.org/10.1098/rspb.2019.1270> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mucin utilization by gut microbiota : recent advances on characterization of key enzymes**

**Raba, Grete;** Luis, Ana S. Essays in Biochemistry 2023 / p. 345–353 : ill <https://doi.org/10.1042/EBC20220121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Multichannel electrical impedance spectroscopy analyzer with microfluidic sensors**

**Ojarand, Jaan; Min, Mart; Koel, Ants** Sensors 2019 / art. 1891, 28 p. : ill <https://doi.org/10.3390/s19081891> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Multiple mechanisms repress N-Bak mRNA translation in the healthy and apoptotic neurons**

Jakobson, Madis; Jakobson, Maili; Llano, Olaya; **Palgi, Jaan;** Arumäe, Urmas Cell Death and Disease 2013 / art. e777 <https://doi.org/10.1038/cddis.2013.297> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Multiplying steady-state culture in multi-reactor system**

**Erm, Sten; Adamberg, Kaarel; Vilu, Raivo** Bioprocess and biosystems engineering 2014 / p. 2361-2370 : ill <https://doi.org/10.1007/s00449-014-1214-5> [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](#)

**Nanoengineered cellulosic biohydrogen production via dark fermentation : A novel approach**

Srivastava, Neha; Srivastava, Manish; Malhotra, Bansi D.; **Gupta, Vijai Kumar** Biotechnology Advances 2019 / art. 107384, 13 p. : ill <https://doi.org/10.1016/j.biotechadv.2019.04.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Narrowband internet of things (NB-IoT) : from physical (PHY) and media access control (MAC) layers perspectives**

**Mwakwata, Collins Burton; Malik, Hassan; Alam, Muhammad Mahtab; Le Moullec, Yannick;** Päränd, Sven; Mumtaz, Shahid Sensors 2019 / art. 2613, 34 p. : ill <https://doi.org/10.3390/s19112613> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Natural pigments (anthocyanins and chlorophyll) and antioxidants profiling of European red and green gooseberry (Ribes uva-crispa L.) extracted using green techniques (UAE-citric acid-mediated extraction)**

Hussain, Shehzad; Sharma, Minaxi; **Jarg, Tatsiana; Aav, Riina;** Bhat, Rajeev Current research in food science 2023 / art. 100629 <https://doi.org/10.1016/j.crfs.2023.100629> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An NB-IoT based edge-of-things framework for energy-efficient image transfer**

**Khan, Sikandar Muhammad Zulqarnain; Le Moullec, Yannick; Alam, Muhammad Mahtab** Sensors 2021 / art. 5929, 21 p. : ill

<https://doi.org/10.3390/s21175929> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Negative correlation between functional connectivity and small-worldness in the alpha frequency band of a healthy brain**  
**Päeske, Laura; Hinrikus, Hiie; Lass, Jaanus; Raik, Jaan; Bachmann, Maie** *Frontiers in Physiology* 2020 / Art. nr. 910  
<https://doi.org/10.3389/fphys.2020.00910> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Neurotrophins : transcription and translation**

West, A. E.; Pruunsild, Priit; Timmusk, Tõnis *Neurotrophic factors* 2014 / p. 67-100 [https://doi.org/10.1007/978-3-642-45106-5\\_4](https://doi.org/10.1007/978-3-642-45106-5_4)  
[Article collection metrics at Scopus](#) [Article at Scopus](#)

**New approaches for increasing demand-side flexibility**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo; Azizi, Aydin** *Demand-side flexibility in smart grid* 2020 / p. 51-62  
[https://doi.org/10.1007/978-981-15-4627-3\\_5](https://doi.org/10.1007/978-981-15-4627-3_5) [Journal metrics at Scopus](#) [Article at Scopus](#)

**New chiral cyclohexylhemicucurbit[6]uril**

**Aav, Riina; Shmatova, Elena; Reile, Indrek; Borissova, Maria; Topic, Filip; Rissanen, Kari** *Organic letters* 2013 / p. 3786-3789 : ill  
<https://doi.org/10.1021/ol401766a> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**New insights on bioactivities and biosynthesis of flavonoid glycosides**

Yang, Bao; Liu, Huiling; Yang, Jiali; **Gupta, Vijai Kumar**; Jiang, Yueming *Trends in food science & technology* 2018 / p. 116–124 : ill  
<https://doi.org/10.1016/j.tifs.2018.07.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**NMR assignment of methyl groups in immobilized proteins using multiple-bond <sup>13</sup>C homonuclear transfers, proton detection, and very fast MAS**

Paluch, Piotr; Augusyniak, Rafal; **Org, Mai-Liis; Vanatalu, Kalju; Kaldma, Ats; Samoson, Ago**; Stanek, Jan *Frontiers in Molecular Biosciences* 2022 / Art. 828785 <https://doi.org/10.3389/fmolb.2022.828785> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The non-catalytic role of DNA polymerase epsilon in replication initiation in human cells**

**Vipat, Sameera Anant**; Gupta, Dipika; Jonchhe, Sagun; **Anderspuk, Hele**; Rothenberg, Eli; **Moiseeva, Tatiana** *Nature communications* 2022 / art. 7099 <https://doi.org/10.1038/s41467-022-34911-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Non-invasive assessment of skin surface proteins of psoriasis vulgaris patients in response to biological therapy**

**Orro, Kadri**; Salk, Kristiina; Merkulova, Anna; Abram, Kristi; Karelson, Maire; Traks, Tanel; Neuman, Toomas; Spee, Pieter; Kingo, Külli *International Journal of Molecular Sciences* 2023 / art. 16248 <https://doi.org/10.3390/ijms242216248> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nonlinear machine learning pattern recognition and bacteria-metabolite multilayer network analysis of perturbed gastric microbiome**

Duran, Claudio; Ciucci, Sara; Palladini, Alessandra; Ijaz, Umer Z.; Zippo, Antonio G.; Sterbini, Francesco Paroni; Masucci, Luca; Cammarota, Giovanni; Ianiro, Gianluca; **Spuul, Pirjo**; Schroeder, Michael *Nature communications* 2021 / art. 1926, 22 p  
<https://doi.org/10.1038/s41467-021-22135-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Non-standard electrode placement strategies for ECG signal acquisition**

**Metshein, Margus; Krivošei, Andrei; Abdullayev, Anar; Annus, Paul; Märtens, Olev** *Sensors* 2022 / art. 9351  
<https://doi.org/10.3390/s22239351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Non-toxic and ultra-small biosilver nanoclusters trigger apoptotic cell death in fluconazole-resistant *Candida albicans* via Ras signaling**

Prakteeksha; Singh, Braj R.; **Gupta, Vijai Kumar**; Deeba, Farah; Gathergood, Nicholas *Biomolecules* 2019 / art. 47, 23 p. : ill  
<https://doi.org/10.3390/biom9020047> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Novel membrane-associated prostaglandin E synthase-2 from crustacean arthropods**

**Hansen, Kristella; Varvas, Külliki; Järving, Ivar; Samel, Nigulas** *Comparative biochemistry and physiology. Part B, Biochemistry and molecular biology* 2014 / p. 45-52 : ill <https://doi.org/10.1016/j.cbpb.2014.05.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A novel physical fatigue assessment method utilizing heart rate variability and pulse arrival time towards personalized feedback with wearable sensors**

**Allik, Ardo; Pilt, Kristjan; Viigimäe, Moonika; Fridolin, Ivo; Jervan, Gert** *Sensors* 2022 / art. 1680 <https://doi.org/10.3390/s22041680>

**Nucleolar enrichment of brain proteins with critical roles in human neurodevelopment**

Slomnicki, Lukasz P.; Malinowska, Agata; **Sepp, Mari; Timmusk, Tõnis** Molecular & cellular proteomics 2016 / p. 2055-2075  
<https://doi.org/10.1074/mcp.M115.051920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nutritional requirements and media development for Lactococcus lactis IL1403**

**Aller, Kadri; Adamberg, Kaarel; Timarova, Veronica;** Seiman, Andrus; **Feštšenko, Darja; Vilu, Raivo** Applied microbiology and biotechnology 2014 / p. 5871-5881 : ill <https://doi.org/10.1007/s00253-014-5641-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Observed and dark diversity dynamics over millennial time scales : fast life-history traits linked to expansion lags of plants in northern Europe**

Trindade, Diego P.F.; Carmona, Carlos P.; **Reitalu, Triin;** Pärtel, Meelis Proceedings of the Royal Society B: Biological Sciences 2023 / art. 20221904, 10 p. : ill <https://doi.org/10.1098/rspb.2022.1904> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**On coverage of critical nodes in UAV-assisted emergency networks**

Waheed, Maham; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab;** Magarini, Maurizio Sensors 2023 / art. 1586  
<https://doi.org/10.3390/s23031586> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**On mathematical modelling of solitary pulses in cylindrical biomembranes**

**Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel** Biomechanics and modeling in mechanobiology 2015 / p. 159-167 : ill  
<https://doi.org/10.1007/s10237-014-0596-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**On the concept of flexibility in electrical power systems : signs of inflexibility**

**Ahmadihangar, Roya; Rosin, Argo; Palu, Ivo;** Azizi, Aydin Demand-side flexibility in smart grid 2020 / p. 17-26  
[https://doi.org/10.1007/978-981-15-4627-3\\_2](https://doi.org/10.1007/978-981-15-4627-3_2) [Journal metrics at Scopus](#) [Article at Scopus](#)

**On the enigma of Palaenigma wrangeli (Schmidt), a conulariid with a partly non-mineralized skeleton**

Kröger, Björn; Vinn, Olev; **Toom, Ursula; Corfe, Ian J.;** Kuva, Jukka; Zaton, Michal PeerJ 2021 / Art. e12374  
<https://doi.org/10.7717/peerj.12374> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**On-line corrosion monitoring of plate structures based on guided wave tomography using piezoelectric sensors**

Rao, Jing; **Ratassepp, Madis;** Lisevych, Danylo; Caffoor, Mahadhir Hamzah; Fan, Zheng Sensors 2017 / art. 2882, p. 1-14 : ill  
<https://doi.org/10.3390/s17122882> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ontogeny of cardiomyocytes : ultrastructure optimization to meet the demand for tight communication in excitation–contraction coupling and energy transfer**

**Birkedal Nielsen, Rikke; Laasmaa, Martin; Branovets, Jelena; Vendelin, Marko** Philosophical Transactions of the Royal Society B : Biological Sciences 2022 / art. 20210321 <https://doi.org/10.1098/rstb.2021.0321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An open surface drifter for river flow field characterization**

Fuentes-Pérez, Juan Francisco; Sanz-Ronda, Francisco Javier; **Tuhtan, Jeffrey Andrew** Sensors 2022 / art. nr. 9918  
<https://doi.org/10.3390/s22249918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Optimization and degradation studies of cellulose transesterification to palmitate esters in superbase ionic liquid**

**Savale, Nutan Bharat; Tarasova, Elvira; Krasnou, Illia; Kudrjašova, Marina;** Rjabovs, Vitālijs; Reile, Indrek; Heinmaa, I. A.; **Krumme, Andres** Carbohydrate Research 2024 / art. 109047 <https://doi.org/10.1016/j.carres.2024.109047> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An optimized capillary electrophoresis method for the simultaneous analysis of biomass degradation products in ionic liquid containing samples**

**Aid, Tiina; Paist, Loore; Lopp, Margus; Kaljurand, Mihkel; Vaher, Merike** Journal of chromatography A 2016 / p. 141-147 : ill  
<https://doi.org/10.1016/j.chroma.2016.04.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Organic nanoparticle-based combinatory approaches for gene therapy**

Singh, Brahma N.; Prateeksha; **Gupta, Vijai Kumar;** Chen, Jieyin; Atanasov, Atanas G. Trends in biotechnology 2017 / p. 1121-1124  
<https://doi.org/10.1016/j.tibtech.2017.07.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Min, Mart** Journal of electrical bioimpedance 2019 / p. 1 <https://doi.org/10.2478/joeb-2019-0001> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Outstanding reviewers for : Organic & Biomolecular Chemistry in 2019**

Dickschat, Jeroen; Han, Jianlin; Hao, Erhong; **Hasan, Mohammed**; Knolker, Hans-Joachim; Loska, Rafal; Mehta, Vaibhav Pravinchandra; Poudel, Tej Narayan; Verma, Akhilesh Kumar; Wang, Chunxiang Organic and Biomolecular Chemistry 2020 / p. 4496 <https://doi.org/10.1039/d0ob90074e> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Overview of digital twin platforms for EV applications**

**Mohamed, Mahmoud Ibrahim Hassanin; Rjabtsikov, Viktor; Zequera, Rolando Antonio Gilbert** Sensors 2023 / art. 1414, 15 p. : ill <https://doi.org/10.3390/s23031414> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Overview of the (Smart) Stormwater Management around the Baltic Sea**

**Suits, Kristjan; Annus, Ivar; Kändler, Nils**; Karlsson, Tobias; Van Maris, Antionius; Kaseva, Antti; Kotoviča, Nika; Kuttuva Rajarao, Gunaratna Water 2023 / art. 1623 <https://doi.org/10.3390/w15081623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oviduct as a sensor of embryo quality: deciphering the extracellular vesicle (EV)-mediated embryo-maternal dialogue**

Dissanayake, Keerthie; Nömm, Monika; Lättikivi, Freddy; Ord, James; Ressaissi, Yosra; Godakumara, Kasun; Viil, Janeli; Jääger, Kersti; **Velthut-Meikas, Agne**; Salumets, Andres Journal of molecular medicine 2021 / p. 685–697 : ill <https://doi.org/10.1007/s00109-021-02042-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation energy efficiency in water treatment with gas-phase pulsed corona discharge as a function of spray density**

**Tikker, Priit**; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2020 / art. 103466, 5 p. : ill <https://doi.org/10.1016/j.elstat.2020.103466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of aqueous dexamethasone solution by gas-phase pulsed corona discharge**

**Onga, Liina; Kattel-Salusoo, Eneliis; Trapido, Marina; Preis, Sergei** Water 2022 / art. 467 <https://doi.org/10.3390/w14030467> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of aqueous naproxen using gas-phase pulsed corona discharge : impact of operation parameters**

**Kopecka, Romana; Onga, Liina; Preis, Sergei** Water 2022 / art. 3327 <https://doi.org/10.3390/w14203327> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of aqueous organic molecules in gas-phase pulsed corona discharge affected by sodium dodecyl sulphate: Explanation of variability**

**Onga, Liina; Boroznjak, Roman**; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2021 / art. 103581, 6 p <https://doi.org/10.1016/j.elstat.2021.103581> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of C18 hydroxylpolyunsaturated fatty acids to epoxide or ketone by catalase-related hemoproteins activated with iodobenzene**

**Teder, Tarvi**; Boeglin, William E.; Brash, Alan R. Lipids 2017 / p. 587-597 : ill <https://doi.org/10.1007/s11745-017-4271-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of reactive azo-dyes with pulsed corona discharge : surface reaction enhancement**

**Onga, Liina**; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2020 / art. 103420, 5 p. : ill <https://doi.org/10.1016/j.elstat.2020.103420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oxidation of ubiquitous aqueous pharmaceuticals with pulsed corona discharge**

**Derevshchikov, Vladimir; Dulova, Niina; Preis, Sergei** Journal of electrostatics 2021 / art. 103567, 9 p.: ill <https://doi.org/10.1016/j.elstat.2021.103567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**P75 neurotrophin receptor signaling activates sterol regulatory element-binding protein-2 in hepatocyte cells via p38 mitogen-activated protein kinase and caspase-3**

Pham, Dan Duc; Do, Hai Thi; Bruelle, Céline; Kukkonen, Jyrki P.; Eriksson, Ove; Mogollón, Isabel; Korhonen, Laura T.; **Arumäe, Urmas**; Lindholm, Dan Journal of Biological Chemistry 2016 / p. 10747 - 10758 <https://doi.org/10.1074/jbc.M116.722272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Parahydrogen hyperpolarized NMR detection of underivatized short oligopeptides**

**Reimets, Nele**; Ausmees, Kerti; Vija, Sirje; Trummal, Aleksander; Uudsemaa, Merle; Reile, Indrek Analyst 2023 / p. 5407-5415 : ill <https://doi.org/10.1039/d3an01345f> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Parsing apart the contributors of mitochondrial DNA mixtures with massively parallel sequencing data**

Churchill, Jennifer D.; **Stoljarova, Monika**; King, Jonathan L.; Budowle, Bruce Forensic science international: genetics supplement series 2017 / p. e439-e441 <https://doi.org/10.1016/j.fsigs.2017.09.145> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Partial deletion of TCF4 in three generation family with nonsyndromic intellectual disability, without features of Pitt-Hopkins syndrome**

Kharbanda, Mira; **Kannike, Kaja**; Lampe, Anne; Berg, Jonathan; **Timmusk, Tõnis**; **Sepp, Mari** European journal of medical genetics 2016 / p. 310-314 : ill <https://doi.org/10.1016/j.ejmg.2016.04.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Patenting of genetic research in Europe and the U.S. : a questionable future for diagnostic methods and personalized medicines**

**Minn, Mari** Biotechnology law report 2019 / p. 92-115 <https://doi.org/10.1089/blr.2019.29108.mm> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Pathway and network analysis of more than 2500 whole cancer genomes**

Reyna, Matthew A.; Haan, David; Paczkowska, Marta; Verbeke, Lieven P. C.; Vazquez, Miguel; Kahraman, Abdullah; Pulido-Tamayo, Sergio; Barenboim, Jonathan; Wadi, Lina; Dhingra, Priyanka; **Uusküla-Reimand, Liis** Nature Communications 2020 / art. 729 <https://doi.org/10.1038/s41467-020-14367-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **PCSK9 deficiency alters brain lipid composition without affecting brain development and function**

Pärm, Angela; Olsen, Ditte; **Tuvikene, Jürgen**; Kaas, Mathias; Borisova, Ekaterina; Bilgin, Mesut; Elhauge, Mie; Vilstrup, Joachim; Madsen, Peder; Ambrozkiwicz, Mateusz C.; Goz, Roman U.; **Timmusk, Tõnis**; Tarabykin, Victor; Gustafsen, Camilla; Glerup, Simon Frontiers in molecular neuroscience 2023 / art. 1084633 <https://doi.org/10.3389/fnmol.2022.1084633> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A PDZ-like domain mediates the dimerization of 11R-lipoxygenase**

**Eek, Priit**; **Pöldemaa, Kaspar**; Kasvandik, Sergio; **Järving, Ivar**; **Samel, Nigulas** Biochimica et Biophysica Acta (BBA) - molecular and cell biology of lipids 2017 / p. 1121-1128 : ill <https://doi.org/10.1016/j.bbalip.2017.07.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Penicillium expansum strain isolated from indoor building material was able to grow on gypsum board and emitted guttation droplets containing chaetoglobosins and communesins A, B and D**

Salo, Johanna; Marik, Tamas; Mikkola, M.; **Kurnitski, Jarek** Journal of applied microbiology 2019 / p. 1135-1147 : ill <https://doi.org/10.1111/jam.14369> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Perovskite QDs embedded in polymer as a wavelength-shifting layer for UV-sensitized silicon sensors**

Sosna-Glebska, Aleksandra; Rezek, Bohuslav; Ukraintsev, Egor; **Sibinski, Maciej** Journal of luminescence 2024 / art. 120618 <https://doi.org/10.1016/j.jlumin.2024.120618> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](#)

### **PGC-1 $\alpha$ signaling increases GABA(A) receptor subunit $\alpha 2$ expression, GABAergic neurotransmission and anxiety-like behavior in mice**

Vanaveski, Taavi; Molchanova, Svetlana; Pham, Dan Duc; Schäfer, Annika; Pajanoja, Ceren; Narvik, Jane; Srinivasan, Vignesh; Urb, Mari; Koivisto, Maria; **Timmusk, Tõnis** Frontiers in Molecular Neuroscience 2021 / art. 588230 <https://doi.org/10.3389/fnmol.2021.588230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A phantom pig abdomen as an alternative for testing robotic surgical systems : our experience**

**Ristolainen, Asko**; Colucci, Gianluca; **Kruusmaa, Maarja** ATLA = Alternatives to laboratory animals 2013 / p. 359-367 <https://doi.org/10.1177/026119291304100506> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Photocatalytic antibacterial activity of nano-TiO<sub>2</sub> (anatase)-based thin films : effects on Escherichia coli cells and fatty acids**

Joost, Urmas; **Juganson, Katre**; Visnapuu, Meeri; Mortimer, Monika; Kahru, Anne; Nõmmiste, Ergo; Joost, Urmeli; Kisand, Vambola; Ivask, Angela Journal of photochemistry and photobiology B : biology 2015 / p. 178-185 : ill <https://doi.org/10.1016/j.jphotobiol.2014.12.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](#)

### **Phylogenetic insight into ABCE gene subfamily in plants**

**Jakobson, Liina**; **Möttus, Jelena**; Suurväli, Jaanus; **Sõmera, Merike**; **Tarassova, Jemilia**; Nigul, Lenne; Smolander, Olli-Pekka Aukusti; **Sarmiento Guerin, Maria Cecilia** Frontiers in Genetics 2024 / art. 1408665 <https://doi.org/10.3389/fgene.2024.1408665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Phytochemical screening and antioxidant activity of selected Estonian Galium species**

**Laanet, Pille-Riin**; Saar-Reismaa, Piret; **Jõul, Piia**; **Bragina, Olga**; **Vaher, Merike** *Molecules* 2023 / art. 2867

<https://doi.org/10.3390/molecules28062867> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Phytochemicals as potent modulators of autophagy for cancer therapy**

Moosavi, Mohammad Amin; Haghi, Atousa; Rahmati, Marveh; Taniguchi, Hiroaki; Mocan, Andrei; Echeverría, Javier; **Gupta, Vijai Kumar**; Tzvetkov, Nikolay T.; Atanasov, Atanas G. *Cancer Letters* 2018 / p. 46-69 <https://doi.org/10.1016/j.canlet.2018.02.030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Plankton biodiversity and species co-occurrence based on environmental DNA - a multiple marker study**

**Sildever, Sirje**; **Laas, Peeter**; **Kolesova, Natalja**; **Lips, Inga**; **Lips, Urmas**; Nagai, Satoshi *Metabarcoding and metagenomics* 2021 / p. 175-197 : ill <https://doi.org/10.3897/mbmg.5.72371> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Plant macrofossil evidence for an early onset of the Holocene summer thermal maximum in northernmost Europe**

Väiliranta, Minna M.; Salonen, J. Sakari; Heikkilä, Maija P.; **Amon, Leeli**; Helmens, Karin F.; Klimaschewski, Andrea; Kuhry, Peter; Kultti, Seija; **Poska, Anneli**; Shala, Shygrete; **Veski, Siim**; Birks, Hilary H. *Nature Communications* 2015 / art. 6809 <https://doi.org/10.1038/ncomms7809> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Plantago major and Plantago lanceolata Exhibit Antioxidant and Borrelia burgdorferi Inhibiting Activities**

**Laanet, Pille-Riin**; **Bragina, Olga**; **Jõul, Piia**; **Vaher, Merike** *International journal of molecular sciences* 2024 / art. 7112 <https://doi.org/10.3390/ijms25137112> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Plexin-B3 suppresses excitatory and promotes inhibitory synapse formation in rat hippocampal neurons**

**Laht, Piret**; Tammaru, Epp; Otsus, Maarja; **Rohtla, Johan**; **Tiismus, Liivi**; **Veske, Andres** *Experimental cell research* 2015 / p. 269-278 : ill <https://doi.org/10.1016/j.yexcr.2015.05.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Poly(ADP-Ribose) polymerase (PARP) inhibitors for cancer therapy: Advances, challenges, and future directions**

**Bondar, Denys**; **Karpichev, Yevgen** *Biomolecules* 2024 / art. 1269 <https://doi.org/10.3390/biom14101269> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Porcine circovirus type 2 ORF3 protein induces apoptosis in melanoma cells**

**Viisileht, Edda**; **Pahtma-Hall, Merlis**; **Rump, Airi**; **Paalme, Viiu**; **Pata, Pille**; **Rüütel Boudinot, Sirje** *BMC cancer* 2018 / art. 1237, 12 p. : ill <https://doi.org/10.1186/s12885-018-5090-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A positively charged composite loose nanofiltration membrane for water purification from heavy metals**

Peydayesh, Mohammad; Mohammadi, Toraj; **Nikouzad, Sohail Kordmirza** *Journal of Membrane Science* 2020 / Art. n. 118205 <https://doi.org/10.1016/j.memsci.2020.118205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Potassium and sodium salt stress characterization in the yeasts Saccharomyces cerevisiae, Kluyveromyces marxianus, and Rhodotorula toruloides**

Illarionov, Aleksandr; **Lahtvee, Petri-Jaan**; **Kumar, Rahul**, 1978- *Applied and Environmental Microbiology* 2021 / art. e03100-20 <https://doi.org/10.1128/AEM.03100-20> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Potential ecotoxicological effects of antimicrobial surface coatings : a literature survey backed up by analysis of market reports**

**Rosenberg, Merilin**; Ilic, Krunoslav; Juganson, Katre; Ivask, Angela; Ahonen, Merja; Vrcek, Ivana; Kahru, Anne *PeerJ* 2019 / art. e6315 ; 34 p <https://doi.org/10.7717/peerj.6315> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Preclinical evaluation of a semiautomated and rapid commercial electrophoresis assay for von Willebrand factor multimers**

**Pikta, Marika**; **Zemtsovskaja, Galina**; Bautista, Hector; Nouadje, Georges; Szanto, Timea; **Viigimaa, Margus**; Banyas, Valdas *Journal of clinical laboratory analysis* 2018 / e22416 : ill <https://doi.org/10.1002/jcla.22416> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Pregnancy associated breast cancer gene expressions : new insights on their regulation based on rare correlated patterns**

Bouasker, Souad; **Inoubli, Wissem**; **Ben Yahia, Sadok**; Diallo, Gayo *IEEE/ACM transactions on computational biology and bioinformatics* 2021 / p. 1035–1048 <https://doi.org/10.1109/TCBB.2020.3015236> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Preparation of a surface-grafted protein-selective polymer film by combined use of controlled/living radical photopolymerization and microcontact imprinting**

**Kidakova, Anna**; **Reut, Jekaterina**; Rappich, Jörg; **Öpik, Andres**; **Söritski, Vitali** *Reactive and functional polymers* 2018 / p. 47-56 <https://doi.org/10.1016/j.reactfunctpolym.2018.02.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A primer on public safety communication in the context of terror attacks: the NATO SPS "COUNTER-TERROR" project**  
**Alam, Muhammad Mahtab; Le Moullec, Yannick;** Ahmad, Rizwan; Magarini, Maurizio; Reggiani, Luca Advanced Technologies for Security Applications : Proceedings of the NATO Science for Peace and Security 'Cluster Workshop on Advanced Technologies', 17-18 September 2019, Leuven, Belgium 2020 / p. 19-34 [https://doi.org/10.1007/978-94-024-2021-0\\_3](https://doi.org/10.1007/978-94-024-2021-0_3) [Article collection metrics at Scopus](#) [Article at Scopus](#)

**Probing determinants of cyclopiazonic acid sensitivity of bacterial Ca<sup>2+</sup>-ATPases**

**Kotšubei, Aljona;** Gorgel, Manuela; Morth, Jens P.; Nissen, Poul; Andersen, Jacob L. FEBS Journal 2013 / p. 5441 - 5449  
<https://doi.org/10.1111/febs.12310> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Production of a recombinant swollenin from *Trichoderma harzianum* in *Escherichia coli* and its potential synergistic role in biomass degradation**

Santos, Clelton A.; Ferreira-Filho, Jaire A.; O'Donovan, Anthonia; **Gupta, Vijai Kumar;** Tuohy, Maria G.; Souza, Anete P. Microbial cell factories 2017 / art. 83, 11 p. : ill <https://doi.org/10.1186/s12934-017-0697-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The profile of steroid hormones in human fetal and adult ovaries**

Vazakidou, Paraskevi; Evangelista, Sara; Li, Tianyi; Lecante, Laetitia L.; **Rosenberg, Kristine;** Koekkoek, Jacco; Salumets, Andres; **Velthut-Meikas, Agne;** Damdimopoulou, Paulina; Mazaud-Guittot, Severine Reproductive biology and endocrinology 2024 / art. 60  
<https://doi.org/10.1186/s12958-024-01233-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Progress in development of the resonant tunneling diodes as promising compact sources at the THz gap bottom**

**Udal, Andres; Jaanus, Martin;** Valušis, Gintaras; Kašalynas, Irmantas; Ikonic, Zoran; Indjin, Dragan THz for CBRN and explosives detection and diagnosis ; 2017 / p. 169-178 [https://doi.org/10.1007/978-94-024-1093-8\\_20](https://doi.org/10.1007/978-94-024-1093-8_20) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Promoting building materials that have lower embodied carbon and energy in public procurements : experience from Estonia**

**Rebane, Kristel; Reihan, Alvina** Management of environmental quality : an international journal 2016 / p. 722-739 : ill  
<https://doi.org/10.1108/MEQ-07-2015-0154> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Prostaglandin D2 receptor DP1 antibodies predict vaccine-induced and spontaneous narcolepsy type 1 : large-scale study of antibody profiling**

**Sadam, Helle;** Pihlak, Arno; Kivil, Anri; Pihelgas, Susan; **Jaago, Mariliis; Palm, Kaia** EBioMedicine 2018 / p. 47-59  
<https://doi.org/10.1016/j.ebiom.2018.01.043> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Protein kinase inhibitor SU6668 attenuates positive regulation of Gli proteins in cancer and multipotent progenitor cells**  
Piirsoo, Alla; **Kasak, Lagle;** Kauts, Mari-Liis; Uusen, Piia; Tints, Kairit; Loog, Mart; Neuman, Toomas; **Piirsoo, Marko** Biochimica et biophysica acta : molecular cell research 2014 / p. 703-714 : ill <https://doi.org/10.1016/j.bbamcr.2014.01.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Protein NMR spectroscopy at 150 kHz magic-angle spinning continues to improve resolution and mass sensitivity**

Schledorn, Maarten; Malär, Alexander A.; Torosyan, Anahit; **Oss, Andres; Org, Mai-Liis; Samoson, Ago** Chembiochem : a European journal of chemical biology 2020 / p. 2540-2548 <https://doi.org/10.1002/cbic.202000341> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at Scopus](#)

**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](#)

**Protein trafficking abnormalities in *Drosophila* tissues with impaired activity of the ZIP7 zinc transporter Catsup**

Sasamura, Takeshi; **Groth, Casper;** Khanna, Mansi R.; Whitley, Michael; Fortini, Mark E. Development (Cambridge) 2013 / p. 3018 - 3027 <https://doi.org/10.1242/dev.088336> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Protein-RNA linkage and posttranslational modifications of feline calicivirus and murine norovirus VPg proteins**

**Olsper, Allan;** Hosmillo, Myra; Chaudhry, Yasmin; Peil, Lauri; **Truve, Erkki;** Goodfellow, Ian PeerJ 2016 / p. 1-14 : ill  
<https://doi.org/10.7717/peerj.2134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Proteome reallocation in *Escherichia coli* with increasing specific growth rate**

**Peebo, Karl;** Valgepea, Kaspar; **Maser, Andres;** Nahku, Ranno; **Adamberg, Kaarel; Vilu, Raivo** Molecular biosystems 2015 / p. 1184-1193 : ill <https://doi.org/10.1039/c4mb00721b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Proteomics analysis of *Fusarium proliferatum* under various initial pH during fumonisin production**

Li, Taotao; Gong, Liang; Jian, Qijie; Duan, Xuewu; Jiang, Y.; Wang, Yong; Chen, Feng; **Gupta, Vijai Kumar** Journal of proteomics

2017 / p. 59-72 : ill <https://doi.org/10.1016/j.jprot.2017.05.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Protocol for the preparation of primary amine-containing catalysts on the resin**

**Murre, Aleksandra; Erkman, Kristin; Kanger, Tõnis** STAR protocols 2024 / art. 102933, 26 p. : ill

<https://doi.org/10.1016/j.xpro.2024.102933> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Publisher Correction: Comprehensive molecular characterization of mitochondrial genomes in human cancers (Nature Genetics, (2020), 52, 3, (342-352), 10.1038/s41588-019-0557-x)**

Yuan, Yuan; Ju, Young Seok; Kim, Youngwook; Li, Jun; Wang, Yumeng; Yoon, Christopher J.; Yang, Yang; Martincorena, Inigo;

**Uusküla-Reimand, Liis** Nature Genetics 2023 / p. 893 <https://doi.org/10.1038/s41588-020-0587-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Purification, characterization and plasma half-life of PEGylated soluble recombinant non-HA-binding CD44**

**Pink, Anne;** Kallastu, Aili; Turkina, Marina; **Školnaja, Marianna; Kogerman, Priit; Päll, Taavi; Valkna, Andres** BioDrugs 2014 / p.

393-402 : ill <https://doi.org/10.1007/s40259-014-0089-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Q-Learning based joint energy-spectral efficiency optimization in multi-hop device-to-device communication**

**Khan, Muhidul Islam;** Reggiani, Luca; **Alam, Muhammad Mahtab; Le Moullec, Yannick; Sharma, Navuday;** Yaacoub, Elias;

Magarini, Maurizio Sensors 2020 / art. 6692, 23 p.: ill <https://doi.org/10.3390/s20226692> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A QoS optimization approach in cognitive body area networks for healthcare applications**

**Ahmed, Tauseef; Le Moullec, Yannick** Sensors 2017 / art. 780, p. 1-23 : ill <https://doi.org/10.3390/s17040780> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**QSAR of heterocyclic compounds in large descriptor spaces**

**Karelson, Mati;** Dobchev, Dimitar Atanasov Advances in Heterocyclic Chemistry ; Vol. 120 2016 / p. 237 - 273

<https://doi.org/10.1016/bs.aihch.2016.03.006> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection 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](#)

**R4 regulators of G protein signaling (RGS) identify an ancient MHC-linked synteny group**

**Suurväli, Jaanus;** Robert, Jacques; Boudinot, Pierre; **Rüütel Boudinot, Sirje** Immunogenetics 2013 / p. 145-156 : ill

<https://doi.org/10.1007/s00251-012-0661-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Radiofrequency radiation at Stockholm Central Railway Station in Sweden and some medical aspects on public exposure to RF fields**

Hardell, Lennart; **Koppel, Tarmo;** Carlberg, Michael; Ahonen, Mikko; Hedendahl, Lena International journal of oncology 2016 / p.

1315-1324 : ill <https://doi.org/10.3892/ijo.2016.3657> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Radiofrequency radiation from nearby mobile phone base stationsIa case comparison of one low and one high exposure apartment**

**Koppel, Tarmo;** Ahonen, Mikko; Carlberg, Michael; Hedendahl, Lena; Hardell, Lennart Oncology letters 2019 / p. 5383-5391 : ill

<https://doi.org/10.3892/ol.2019.10899> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A randomized and controlled study of noninvasive hemodynamicmonitoring 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, Xiaoqiu; **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](#)

**Ratio of cystatin C and creatinine-based estimates of the glomerular filtration rate predicts mortality in healthy seniors independent of kidney function**

**Purde, Mette;** Nock, Stefan; Risch, Lorenz; Escobar, Pedro Medina; Grebhardt, Chris; Nydegger, Urs E.; Stanga, Zeno; Risch, Martin

Scandinavian Journal of Clinical and Laboratory Investigation 2016 / p. 341 - 343 <https://doi.org/10.3109/00365513.2016.1149882> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reaction path scans : Aza-Michael reactions of isatin imines**

**Metsala, Andrus; Žari, Sergei; Kanger, Tõnis** Computational and theoretical chemistry 2017 / p. 30-40 : ill  
<https://doi.org/10.1016/j.comptc.2017.07.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Real-time determination of sarcomere length of a single cardiomyocyte during contraction**

**Peterson, Pearu; Kalda, Mari; Vendelin, Marko** American journal of physiology - cell physiology 2013 / p. C519-C531 : ill  
<https://doi.org/10.1152/ajpcell.00032.2012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Real-time regulation of beam-based feedback : implementing an FPGA solution for a continuous wave linear accelerator**

**Maalberg, Andrei; Kuntzsch, Michael; Petlenkov, Eduard** Sensors 2022 / art. 6236, 22 p. : ill <https://doi.org/10.3390/s22166236>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recent advances in asymmetric synthesis via cyclopropanol intermediates**

**Laktsevich-Iskryk, Marharyta; Hurski, Alaksiej; Ošeka, Maksim; Kananovich, Dzmitry** Organic and Biomolecular Chemistry 2025 / 24 p <https://doi.org/10.1039/D4OB01746C> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recent advances in plasmid-based tools for establishing novel microbial chassis**

**Nora, Luísa Czamanski; Westmann, Cauã Antunes; Guazzaroni, María-Eugenia; Siddaiah, Chandranayaka; Gupta, Vijai Kumar; Silva-Rocha, Rafael** Biotechnology Advances 2019 / Art. nr. 107433 <https://doi.org/10.1016/j.biotechadv.2019.107433> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recent development on sustainable biodiesel production using sewage sludge**

**Srivastava, Neha; Srivastava, Manish; Gupta, Vijai Kumar** 3 Biotech 2018 / art. 245, 11 p. : ill <https://doi.org/10.1007/s13205-018-1264-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reconstructing evolutionary trajectories of mutation signature activities in cancer using TrackSig**

**Rubanova, Yulia; Shi, Ruian; Harrigan, Caitlin F.; Li, Roujia; Wintersinger, Jeff; Sahin, Nil; Deshwar, Amit G.; Dentre, Stefan C.; Leshchiner, Ignaty; Uusküla-Reimand, Liis** Nature Communications 2020 / Art. nr. 731 <https://doi.org/10.1038/s41467-020-14352-7>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recovery of missing single-cell RNA-sequencing data with optimized transcriptomic references**

**Pool, Allan-Hermann; Poldsam, Helen; Chen, Sisi; Thomson, Matt; Oka, Yuki** Nature Methods 2023 / p. 1506 - 1515  
<https://doi.org/10.1038/s41592-023-02003-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Redox properties of Cys2His2 and Cys4 zinc fingers determined by electrospray ionization mass spectrometry**

**Smirnova, Julia; Kabin, Ekaterina; Tõugu, Vello; Palumaa, Peep** FEBS Open Bio 2018 / p. 923 - 931 <https://doi.org/10.1002/2211-5463.12422> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Refinement of a quantitative structure–activity relationship model for prediction of cell-penetrating peptide based transfection systems**

**Dowaidar, Moataz; Regberg, Jakob; Dobchev, Dimitar Atanasov; Lehto, Tõnis; Hällbrink, Mattias; Karelson, Mati; Langel, Ülo** International journal of peptide research and therapeutics 2017 / p. 91-100 : ill <https://doi.org/10.1007/s10989-016-9542-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Regeneration of filter materials contaminated by naturally occurring radioactive compounds in drinking water treatment plant**

**Goi, Anna; Nilb, Nele; Suursoo, Siiri; Putk, Kaisa; Kiisk, Madis; Bolobajev, Juri** Journal of water process engineering 2019 / 100464, p. 1-10 : ill <https://doi.org/10.1016/j.jwpe.2017.08.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Regulation of cell divisions and differentiation by MALE STERILITY32 is required for anther development in maize**

**Moon, Jihyun; Skibbe, David; Timofejeva, Ljudmilla** The plant journal 2013 / p. 592-602 : ill <https://doi.org/10.1111/tpj.12318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Regulation of different human NFAT isoforms by neuronal activity**

**Vihma, Hanna; Luhakooder, Mirjam; Pruunsild, Priit; Timmusk, Tõnis** Journal of neurochemistry 2016 / p. 394-408 : ill  
<https://doi.org/10.1111/jnc.13568> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A reinforcement learning routing protocol for UAV aided public safety networks**

**Minhas, Hassan Ishtiaq; Ahmad, Rizwan; Ahmed, Waqas; Waheed, Maham; Alam, Muhammad Mahtab; Gul, Sufi Tabassum** Sensors 2021 / Art. nr. 4121 <https://doi.org/10.3390/s21124121> [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](#)

### **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](#)

### **Replacement of milk fat by rapeseed oil stabilised emulsion in commercial yogurt**

Kasprzak, Mirosław M.; Sady, Marek; Kruk, Joanna; Bartkova, Simona; Sanka, Immanuel; Scheler, Ott; Jamroz, Ewelina; Berski, Wiktor; Onacik-Guer, Sylwia; Zajac, Marzena; Domagala, Jacek; Ptasznik, Stanisław; Okpala, Charles Odilichukwu R.; Tkaczewska, Joanna PeerJ 2023 / art. e16441 <https://doi.org/10.7717/peerj.16441> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Research resource : small RNA-seq of human granulosa cells reveals miRNAs in FSHR and aromatase genes**

Velthut, Agne; Simm, Jaak; Tuuri, Timo; Tapanainen, Juha S.; Metsis, Madis; Salumets, Andres Molecular endocrinology 2013 / p. 1128–1141 : ill <https://doi.org/10.1210/me.2013-1058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Restricted ADP movement in cardiomyocytes : cytosolic diffusion obstacles are complemented with a small number of open mitochondrial voltage-dependent anion channels**

Simson, Päivo; Jepihhina, Natalja; Laasmaa, Martin; Peterson, Pearu; Birkedal Nielsen, Rikke; Vendelin, Marko Journal of molecular and cellular cardiology 2016 / p. 197–203 : ill <https://doi.org/10.1016/j.yjmcc.2016.04.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Resveratrol, a popular dietary supplement for human and animal health : quantitative research literature analysis - a review**

Yeung, Andy Wai Kan; Aggarwal, Bharat Bhushan; Orhan, İlkey Erdogan; Horbańczuk, Olaf K.; Barreca, Davide; Battino, Maurizio; Belwal, Tarun; Bishayee, Anupam; Daglia, Maria; Gupta, Vijai Kumar Animal science papers and reports 2019 / p. 103–118 : ill [https://repositorium.sdum.uminho.pt/bitstream/1822/61287/1/document\\_51935\\_1.pdf](https://repositorium.sdum.uminho.pt/bitstream/1822/61287/1/document_51935_1.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Retroelements in human disease**

Kaer, Kristel; Speek, Mart Gene 2013 / p. 231–241 : ill <https://doi.org/10.1016/j.gene.2013.01.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Retrospective evaluation of whole exome and genome mutation calls in 746 cancer samples**

Bailey, Matthew H.; Meyerson, William U.; Dursi, Lewis Jonathan; Wang, Liang-Bo; Dong, Guanlan; Liang, Wen-Wei; Weerasinghe, Amila; Li, Shantao; Kelso, Sean; Vijay Raghavan, Krishnaswamy Nature Communications 2020 / Art. nr. 4748 <https://doi.org/10.1038/s41467-020-18151-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Revealing calcium fluxes by analyzing inhibition dynamics in action potential clamp**

Laasmaa, Martin; Birkedal Nielsen, Rikke; Vendelin, Marko Journal of molecular and cellular cardiology 2016 / p. 93–108 : ill <https://doi.org/10.1016/j.yjmcc.2016.08.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Raheem, Ansheed A.; Hameed, Pearlín; 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](#)

### **Revisiting the expression of BDNF and its receptors in mammalian development**

Esvald, Eli-Eelika; Tuvikene, Jürgen; Kiir, Carl Sander; Avarlaid, Annela; Tamberg, Laura; Sirp, Alex; Shubina, Anastassia; Cabrera-Cabrera, Florencia; Pihlak, Arno; Koppel, Indrek; Palm, Kaia; Timmusk, Tõnis Frontiers in Molecular Neuroscience 2023 / art. 1182499 <https://doi.org/10.3389/fnmol.2023.1182499> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Revisiting the origins of the Sobemovirus genus: A case for ancient origins of plant viruses**

Ghafari, Mahan; Sömera, Merike; Sarmiento Guerin, Maria Cecilia; Niehl, Annette; Hebrard, Eugénie; Tsoleridis, Theocharis; Ball, Jonathan; Moury, Benoit; Lemey, Philippe; Katourakis, Aris; Fargette, Denis PLoS Pathogens 2024 / art. e1011911 <https://doi.org/10.1371/journal.ppat.1011911> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Robotic feet modeled after ungulates improve locomotion on soft wet grounds**

Godon, Simon Pierre; Ristolainen, Asko; Kruusmaa, Maarja Bioinspiration and biomimetics 2024 / art. 066009, 12 p. : ill <https://doi.org/10.1088/1748-3190/ad839c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Role of bacterial-fungal consortium for enhancement in the degradation of industrial dyes**

Mawad, Asmaa M.M.; Hesham, Abd El-Latif; Yousef, Naiema M.H.; Shoreit, Ahmed Abdelfattah Mohamed; Gathergood, Nicholas; Gupta, Vijai Kumar Current genomics 2020 / p. 283 – 294 <https://doi.org/10.2174/1389202921999200505082901> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Role of mitochondria-cytoskeleton interactions in respiration regulation and mitochondrial organization in striated muscles**

**Varikmaa, Minna**; Bagur, Rafaela; Kaambre, Tuuli; Grichine, Alexei; Timohhina, Natalja; Tepp, Kersti; Shevchuk, Igor; Chekulayev, Vladimir; **Metsis, Madis**; Boucher, François *Biochimica et biophysica acta - Bioenergetics* 2014 / p. 232-245 : ill <https://doi.org/10.1016/j.bbabbio.2013.10.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Role of two sequence motifs of mesencephalic astrocyte-derived neurotrophic factor in its survival-promoting activity**

Mätlik, Kert; Yu, Li-Ying; Eesmaa, Ave; **Arumäe, Urmas** *Cell death & disease* 2015 / art. e2032, p. 1-8 : ill <https://doi.org/10.1038/cddis.2015.371> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Safeguarding female reproductive health against endocrine disrupting chemicals-The FREIA project**

**Duursen, Majorie B.M. van**; Boberg, Julie; Christiansen, Sofie; Jääger, Kersti; Salumets, Andres; **Velthut-Meikas, Agne** *International journal of molecular sciences* 2020 / art. 3215 <https://doi.org/10.3390/ijms21093215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **SciPy 1.0 : fundamental algorithms for scientific computing in Python**

Virtanen, Pauli; Gommers, Ralf; Oliphant, Travis E.; Haberland, Matt; Reddy, Tyler; Cournapeau, David; Burovski, Evgeni; **Peterson, Pearu** *Nature methods* 2020 / p. 261-272 <https://doi.org/10.1038/s41592-019-0686-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Screening and management of hypertensive patients with chronic kidney disease referred to Hypertension Excellence Centres among 27 countries. A pilot survey based on questionnaire**

Halimi, Jean-Michel; Sarafidis, Pantelis; Azizi, Michel; Bilo, Grzegorz; Burkard, Thilo; Bursztyn, Michael; Camafort, Miguel; Chapman, Neil; Cottone, Santina; **Viigimaa, Margus** *Journal of hypertension* 2024 / p. 1544-1554 <https://doi.org/10.1097/HJH.0000000000003756> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Seamless 5g multi-hop connectivity architecture and trials for maritime applications**

Lindenbergs, Arturs; Muehleisen, Maciej; Payaro, Miquel; **Körbe Kaare, Kati**; Zaglauer, Helmut W.; Scholliers, Johan; Sadam, Arvi; **Kuhi, Kristjan**; Nykanen, Lasse *Sensors* 2023 / art. 4203 <https://doi.org/10.3390/s23094203> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Seasonal dynamics of bacterial composition and functions in biological treatment of coking wastewater**

Tan, Zhijie; Chen, Wenli; Guo, Ziyu; Xu, Xingyuan; Xie, Juntong; Dai, Jiangpeng; Lin, Yuexia; Sheng, Binbin; **Preis, Sergei**; Wei, Chaohai; Zhu, Shuang *Applied microbiology and biotechnology* 2024 / art. 490 <https://doi.org/10.1007/s00253-024-13274-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Secretome profiling reveals virulence-associated proteins of *Fusarium proliferatum* during interaction with banana fruit**

Li, Taotao; Wu, Yu; Wang, Yong; Gao, Haiyan; **Gupta, Vijai Kumar**; Duan, Xuewu; Qu, Hongxia; Jiang, Yueming *Biomolecules* 2019 / Art. nr. 246 <https://doi.org/10.3390/biom9060246> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Selective C-alkylation of substituted naphthols under non-aqueous conditions**

**Kooli, Anni**; Shalima, Tatsiana; Lopusanskaja, Eleana; Paju, Anne; Lopp, Margus *Tetrahedron* 2021 / art. 132278, 8 p. : ill <https://doi.org/10.1016/j.tet.2021.132278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Self-assembly of chiral cyclohexanohemicurbit[n]urils with bis(Zn porphyrin): size, shape, and time-dependent binding**

**Šakarašvili, Marko**; Ustrnul, Lukas; Suut, Elina; Nallaparaju, Jagadeesh Varma; Mishra, Kamini Atindrakumar; Konrad, Nele; Adamson, Jasper; **Borovkov, Victor**; Aav, Riina *Molecules* 2022 / art. 937, 13 p. : ill <https://doi.org/10.3390/molecules27030937> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Self-motion effects on hydrodynamic pressure sensing : Part I. Forward-backward motion**

Akanyeti, Otari; **Ježov, Jaas**; Kruusmaa, Maarja *Bioinspiration & biomimetics* 2013 / p. 1-10 : ill <https://doi.org/10.1088/1748-3182/8/2/026001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Self-reproduction and doubling time limits of different cellular subsystems**

**Abner, Kristo**; Šverns, Peter; Arold, Janar; Morell, Indrek; Lints, Taivo; Medri, Sander; Seiman, Andrus; Adamberg, Kaarel; Vilu, Raivo *npj systems biology and applications* 2023 / art. 44, 10 p. : ill <https://doi.org/10.1038/s41540-023-00306-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Senolytic cocktail Dasatinib+Quercetin (D+Q) does not enhance the efficacy of senescence-inducing chemotherapy in liver cancer [Online resource]**

Kovacovicova, Kristina; **Školnaja, Marianna**; Heinmaa, Mihkel; Mistrik, Martin; Pata, Pille; Pata, Illar *Frontiers in oncology* 2018 / art. 459, 7 p. : ill <https://doi.org/10.3389/fonc.2018.00459> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sensor-location-specific joint acquisition of peripheral artery bioimpedance and photoplethysmogram for wearable applications**

**Metshein, Margus; Abdullayev, Anar;** Gautier, Antoine; Larras, Benoit; Frappe, Antoine; Cardiff, Barry; **Annus, Paul; Land, Raul; Märten, Olev** Sensors 2023 / art. 7111 <https://doi.org/10.3390/s23167111> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Separation of glutathione and its novel analogues and determination of their dissociation constants by capillary electrophoresis**

**Kazarjan, Jana; Vaher, Merike;** Mahlapuu, Riina; Hansen, Mats; Soomets, Ursel; **Kaljurand, Mihkel** Electrophoresis 2013 / p. 1820-1827 : ill <https://doi.org/10.1002/elps.201200611> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Serum levels and removal by haemodialysis and haemodiafiltration of tryptophan-derived uremic toxins in ESKD patients**

**Paats, Joosep;** Adoberg, Annika; **Arund, Jürgen; Fridolin, Ivo;** Leis, Liisi; **Luman, Merike; Pilt, Kristjan; Uhlin, Nils Fredrik Arne** International journal of molecular sciences 2020 / art. 1522, 19 p. : ill <https://doi.org/10.3390/ijms21041522> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Sex differences in oncogenic mutational processes**

Li, Constance H.; Prokopec, Stephenie D.; Sun, Ren X.; Yousif, Fouad; Schmitz, Nathaniel; Al-Shahrour, Fatima; Atwal, Gurnit; Bailey, Peter J.; Biankin, Andrew V.; **Uusküla-Reimand, Liis** Nature Communications 2020 / Art. nr. 4330 <https://doi.org/10.1038/s41467-020-17359-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Shaping the gut microbiota by bioactive phytochemicals : an emerging approach for the prevention and treatment of human diseases**

Sudheer, Surya; Gangwar, Prateeksha; **Usmani, Zeba;** Sharma, Minaxi; Sharma, Vivek Kumar; Sana, Siva Sankar; Almeida, Fausto; Dubey, Nawal Kishore; Singh, Dhananjaya Pratap; Dilbaghi, Neeraj; Khayat Kashani, Hamid Reza; Gupta, Vijai Kumar; Singh, Brahma Nand; Khayatkashani, Maryam; Nabavi, Seyed Mohammad Biochimie 2022 / p. 38 - 63 <https://doi.org/10.1016/j.biochi.2021.10.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Simple analysis of gel images with IOCBIO Gel**

**Kütt, Jaak; Margus, Georg; Kask, Lauri; Rätsepso, Triinu; Soodla, Kärol; Bernasconi, Romain; Birkedal, Rikke; Järv, Priit; Laasmaa, Martin; Vendelin, Marko** BMC Biology 2023 / art. 225 <https://doi.org/10.1186/s12915-023-01734-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Simple analysis of gel images with IOCBIO gel software**

**Jaska, Lucia; Birkedal, Rikke; Laasmaa, Martin; Vendelin, Marko** Bio-protocol 2024 / art. e5053, 12 p <https://doi.org/10.21769/BioProtoc.5053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Simple, inexpensive and RNase-free purification of plasmid DNA by fractional precipitation with isopropanol**

**Paalme, Viuu; Speek, Mart** BioTechniques 2021 / p. 490–494 : ill <https://doi.org/10.2144/btn-2021-0018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Simultaneous determination of fluoroquinolones and sulfonamides originating from sewage sludge compost**

Kipper, Karin; Lillenberg, Merike; Herodes, Koit; **Nei, Lembit; Haiba, Egge** The scientific world journal 2017 / art. 9254072, 8 p. : ill <https://doi.org/10.1155/2017/9254072> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Single-cell model of prokaryotic cell cycle**

**Abner, Kristo; Aaviksaar, Tõnis; Adamberg, Kaarel; Vilu, Raivo** Journal of theoretical biology 2014 / p. 78-87 : ill <https://doi.org/10.1016/j.jtbi.2013.09.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Site-selective and stereoselective C–H functionalization of N-Cyclopropylamides via a directed remote metalation strategy**

**Ermolovich, Yuri; Barysevich, Maryia V.;** Adamson, Jasper; Rogova, Oksana; **Kaabel, Sandra; Järving, Ivar; Gathergood, Nicholas; Kananovich, Dzmitry** Organic letters 2019 / p. 969-973 : ill <https://doi.org/10.1021/acs.orglett.8b03955> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Skin surface protein detection by transdermal analysis patches in pediatric psoriasis**

Schaap, Mirjam J.; Bruins, Finola M.; He, Xuehui; **Orro, Kadri;** Peppelman, Malou; Van Erp, Piet E. J.; De Jong, Elke M. G. J.; Koenen, Hans J. P. M.; Van Den Bogaard, Ellen H.; Seyger, Marieke M. B. Skin Pharmacology and Physiology 2021 / p. 271 - 280 <https://doi.org/10.1159/000516110> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Soil sample metagenome NGS data management for forensic investigation**

**Lilje, Liisa; Lillsaar, Triin; Rätsep, Ranno; Simm, Jaak; Aaspõllu, Anu** Forensic science international : genetics supplement series 2013 / p. e35-e36 : ill <https://doi.org/10.1016/j.fsigs.2013.10.017> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Solid-state NMR backbone chemical shift assignments of $\alpha$ -synuclein amyloid fibrils at fast MAS regime**

Toleikis, Zigmantas; Paluch, Piotr; Kuc, Ewelina; Petkus, Jana; Sulskis, Darius; **Org-Tago, Mai-Liis; Samoson, Ago;** Smirnovas, Vytautas; Stanek, Jan; Lends, Alons Biomolecular NMR assignments 2024 / p. 181-186 <https://doi.org/10.1007/s12104-024-10186-2>

**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](#)

**Spark erosion in a metal spheres bed : experimental study of the discharge stability and energy efficiency**

Kornev, Iakov; Saprykin, Filipp; Lobanova, Galina; Ushakov, Vasily; **Preis, Sergei** Journal of electrostatics 2018 / p. 111-118 : ill <https://doi.org/10.1016/j.elstat.2018.10.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Spectral asymmetry and Higuchi's fractal dimension measures of depression electroencephalogram**

**Bachmann, Maie; Lass, Jaanus; Suhhova, Anna; Hinrikus, Hiie** Computational and Mathematical Methods in Medicine 2013 / art. 251638 <https://doi.org/10.1155/2013/251638> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Spermatozoa induce transcriptomic alterations in bovine oviductal epithelial cells prior to initial contact**

Reshi, Qurat Ul Ain; Viil, Janeli; Ord, James; Lättelkivi, Freddy; Godakumara, Kasun; Hasan, Mohammed Mehedi; Nömm, Monika; Jääger, Kersti; **Velthut-Meikas, Agne;** Jaakma, Ülle; Salumets, Andres; Fazeli, Alireza Journal of cell communication and signaling 2020 / p. 439–451 <https://doi.org/10.1007/s12079-020-00575-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Spinning faster: protein NMR at MAS frequencies up to 126kHz**

Penzel, Susanne; **Oss, Andres; Org, Mai-Liis; Samoson, Ago;** Böckmann, Anja; Ernst, Matthias; Meier, Beat H. Journal of biomolecular NMR 2019 / p. 19–29 <https://doi.org/10.1007/s10858-018-0219-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Squeezing formaldehyde into C60 fullerene**

Vyas, Vijayesh K.; Bacanu, George Razvan; Soundararajan, Murari; Marsden, Elizabeth S.; **Jafari, Tanzeeha;** Shugai, Anna; Light, Mark E.; Nagel, Urmas; Rõm, Toomas; Levitt, Malcolm H.; Whitby, Richard J. Nature Communications 2024 / art. 2515 <https://doi.org/10.1038/s41467-024-46886-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Stability of B-complex vitamins and dietary fibre during rye sourdough bread production**

**Mihhalevski, Anna; Nisamedtinov, Ildar; Hälvin, Kristel; Ošeka, Aleksandra; Paalme, Toomas** Journal of cereal science 2013 / p. 30-38 : ill <https://doi.org/10.1016/j.jcs.2012.09.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Stable isotope tracing uncovers reduced  $\gamma/\beta$ -ATP turnover and metabolic flux through mitochondrial-linked phosphotransfer circuits in aggressive breast cancer cells**

Klepinin, Aleksandr; **Miller, Sten;** Reile, Indrek; Puurand, Marju; **Rebane-Klemm, Egle; Klepinina, Ljudmila;** Vija, Heiki; Zhang, Song; Terzic, Andre; Dzeja, Petras; Kaambre, Tuuli Frontiers in Oncology 2022 / art. 892195 <https://doi.org/10.3389/fonc.2022.892195> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Structural and catalytic insights into the algal prostaglandin H synthase reveal atypical features of the first non-animal cyclooxygenase**

**Varvas, Külliki; Kasvandik, Sergio; Hansen, Kristella; Järving, Ivar; Morell, Indrek; Samel, Nigulas** Biochimica et biophysica acta : molecular and cell biology of lipids 2013 / p. 863-871 : ill <https://doi.org/10.1016/j.bbalip.2012.11.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Structural and functional analysis of APOA5 mutations identified in patients with severe hypertriglyceridemia**

Mendoza-Barbera, Elena; **Lõokene, Aivar** Journal of lipid research 2013 / p. 649-661 <https://doi.org/10.1194/jlr.M031195> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Structural, optical and electrical properties of zno thin films doped with al, v and nb, deposited by r.f. magnetron sputtering**

Lovchinov, Konstantin; Petrov, Miroslav; Angelov, Orlin; Nichev, Hristo; **Mikli, Valdek; Dimova-Malinovska, Doriana** Nanoscience advances in CBRN agents detection, information and energy security : Proceedings of the NATO Advanced Study Institute on Nanoscience Advances in CBRN Agents Detection, Information and Energy Security, Sozopol, Bulgaria, 29 May 2014 –6 June 2014 2015 / p. 289-301 [https://doi.org/10.1007/978-94-017-9697-2\\_29](https://doi.org/10.1007/978-94-017-9697-2_29) [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Structure of a bacterial ice binding protein with two faces of interaction with ice**

Mangiagalli, Marco; Sarusi, Guy; **Kaleda, Aleksei;** Bar Dolev, Maya The FEBS journal 2018 / p. 1653-1666 : ill <https://doi.org/10.1111/febs.14434> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Structure of potato virus a coat protein particles and their dissociation

Ksenofontov, Alexander L.; Dobrov, Eugenie N.; Fedorova, Nataliya V.; Arutyunyan, Alexander Migranovich; Golanikov, Andrey E.; Järvekülg, Lilian; Shtykova, Eleonora Vladimirovna Molecular Biology 2018 / p. 913-921 <https://doi.org/10.1134/S0026893318060109> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### A study on the ice resistance characteristics of ships in rafted ice based on the circumferential crack method

Huang, Jiayu; Diao, Feng; Ding, Shifeng; Han, Sen; Kujala, Pentti Jouko Sakari; Zhou, Li Water 2024 / art. 854 <https://doi.org/10.3390/w16060854> [Journal metrics at Scopus](#) [Article at Scopus](#)

### Subchronic oral and inhalation toxicities : a challenging attempt for modeling and prediction

Dobchev, Dimitar A.; Tulp, Indrek; Karelson, Gunnar; Tamm, Tarmo; Tämm, Kaiko; Karelson, Mati Molecular informatics 2013 / p. 793-801 : ill <https://doi.org/10.1002/minf.201300033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Substitution of histidine 30 by asparagine in manganese superoxide dismutase alters biophysical properties and supports proliferation in a K562 leukemia cell line

Bonetta, Rosalin; Hunter, Gary J.; Trinh, Chi H.; Borowski, Tomasz; Fenech, Anthony G.; Kulp, Maria; Tabares, Leandro C.; Un, Sun; Hunter, Thérèse European biophysics journal 2021 / p. 571-585 : ill <https://doi.org/10.1007/s00249-021-01544-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Sulfoxidation regulation of Musa acuminata Calmodulin (MaCaM) influences the functions of MaCaM-binding proteins

Jiang, Guoxiang; Wu, Fuwang; Li, Zhiwei; Li, Taotao; Gupta, Vijai Kumar; Duan, Xuewu; Jiang, Yueming Plant and Cell Physiology 2018 / p. 1214-1224 <https://doi.org/10.1093/pcp/pcy057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Surfactant and non-surfactant radical scavengers in aqueous reactions induced by pulsed corona discharge treatment

Wang, Yi-Xian; Kornev, Iakov; Wei, Chao-Hai; Preis, Sergei Journal of electrostatics 2019 / p. 82-86 : ill <https://doi.org/10.1016/j.elstat.2019.03.001> [Tehnikaülikooli teadlaste uudne lahendus puhastab vett elektriga](#) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Surrogate data method requires end-matched segmentation of electroencephalographic signals to estimate non-linearity

Päeske, Laura; Bachmann, Maie; Pöld, Toomas; Oliveira, Sara Pereira Mendes de; Lass, Jaanus; Raik, Jaan; Hinrikus, Hiie Frontiers in physiology 2018 / 1350 ; 9 p. : ill <https://doi.org/10.3389/FPHYS.2018.01350> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### A survey on UAV computing platforms : a hardware reliability perspective

Ahmed, Foisal; Jenihhin, Maksim Sensors 2022 / art. 6286 <https://doi.org/10.3390/s22166286> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Sustainable phenylalanine-derived sails for solubilization of polycyclic aromatic hydrocarbons

Kapitanov, Illia; Sudheer, Surya; Yadav, Toshikee; Ghosh, Kallol K.; Gathergood, Nicholas; Gupta, Vijai Kumar; Karpichev, Yevgen Molecules 2023 / art. 4185 : ill <https://doi.org/10.3390/molecules28104185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Synthesis of 6'-galactosyllactose, a deviant human milk oligosaccharide, with the aid of Candida antarctica lipase-B

Hunt, Kaarel Erik; Garcia-Sosa, Alfonso T.; Shalima, Tatsiana; Maran, Uko; Vilu, Raivo; Kanger, Tõnis Organic & biomolecular chemistry 2022 / p. 4724-4735 <https://doi.org/10.1039/D2OB00550F> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Synthesis of $\gamma$ -keto sulfones by copper-catalyzed oxidative sulfonylation of tertiary cyclopropanols

Konik, Yulia A.; Elek, Gabor Zoltan; Kaabel, Sandra; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry Organic & biomolecular chemistry 2017 / p. 8334-8340 : ill <https://doi.org/10.1039/C7OB01605K> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Synthesis, in silico and in vitro evaluation of novel oxazolopyrimidines as promising anticancer agents

Velihiina, Yevheniia; Scattolin, Thomas; Bondar, Denys Helvetica chimica acta 2020 / art. e2000169, 14 p. : ill <https://doi.org/10.1002/hlca.202000169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

### A systematic review of cutting-edge radar technologies : applications for unmanned ground vehicles (UGVs)

Ersü, Can; Petlenkov, Eduard; Janson, Karl Sensors 2024 / art. 7807 <https://doi.org/10.3390/s24237807> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Systematic review of fault tolerant techniques in underwater sensor networks**

**Vihman, Lauri; Kruusmaa, Maarja; Raik, Jaan** Sensors 2021 / art. 3264 <https://doi.org/10.3390/s21093264> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **TAC-seq : targeted DNA and RNA sequencing for precise biomarker molecule counting**

Teder, Hindrek; Koel, Mariann; Paluoja, Priit; **Velthut-Meikas, Agne** npj genomic medicine 2018 / art. 34, 8 p. : ill <https://doi.org/10.1038/s41525-018-0072-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Tailor-made supramolecular chirogenic system based on Cs-symmetric rigid organophosphoric acid host and amino alcohols : mechanistic studies, bulkiness effect, and chirality sensing**

Hasan, Mohammed; Khose, Vaibhav N.; Pandey, Anita D.; **Borovkov, Victor**; Karnik, Anil V. Organic Letters 2016 / p. 440 - 443 <https://doi.org/10.1021/acs.orglett.5b03477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The task force for the management of arterial hypertension of the European Society of Hypertension (ESH) and of the European Society of Cardiology (ESC)**

Mancia, Giuseppe; Fagard, Robert; Narkiewicz, Krzysztof; Redon, Josep; Zanchetti, Alberto; Bohm, Michael; Christiaens, Thierry; Cifkova, Renata; **Viigimaa, Margus** Journal of Hypertension 2013 / p. 1281 - 1357 <https://doi.org/10.1097/01.hjh.0000431740.32696.cc> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Tau PET correlates with different Alzheimer's disease-related features compared to CSF and plasma p-tau biomarkers**

Ossenkoppele, Rik; **Reimand, Juhan**; Smith, Ruben; Leuz, Antoine; Strandberg, Olof; Palmqvist, Sebastian; Stomrud, Erik; Zetterberg, Henrik EMBO Molecular Medicine 2021 / art. e14398 <https://doi.org/10.15252/emmm.202114398> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Testing scenarios for using telepresence robots in healthcare settings**

**Leoste, Janika**; Strömberg-Järvis, Kadri; **Robal, Tarmo**; **Marmor, Kristel**; **Kangur, Katrin**; Rebane, Anne-Mari Computational and structural biotechnology journal 2024 / p. 105-114 <https://doi.org/10.1016/j.csbj.2024.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The birth prevalence of spinal muscular atrophy: a population specific approach in Estonia**

Sarv, Siiri; Kahre, Tiina; Vaidla, Eve; Pajusalu, Sander; Muru, Kai; Pöder, Haide; **Gross-Paju, Katrin**; Ütt, Sandra; Žordania, Riina; Talvik, Inga Frontiers in genetics 2021 / art. 796862 <https://doi.org/10.3389/fgene.2021.796862> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The complex microbiome from native semen to embryo culture environment in human in vitro fertilization procedure**

Štšepetova, Jelena; Baranova, Juliana; **Simm, Jaak**; Parm, Ülle Reproductive biology and endocrinology 2020 / art. 3, 13 p. : ill <https://doi.org/10.1186/s12958-019-0562-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The emergence of a complex pore-canal system in the dermal skeleton of Tremataspis (Osteostraci)**

Bremer, Oskar; Qu, Qingming; Sanchez, Sophie; **Märss, Tiit**; Fernandez, Vincent; Blom, Henning Journal of Morphology 2021 / p. 1141-1157 <https://doi.org/10.1002/jmor.21359> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The glycine arginine-rich domain of the RNA-binding protein nucleolin regulates its subcellular localization**

Doron-Mandel, Ella; **Koppel, Indrek**; Abraham, Ofri; Rishal, Ida The EMBO Journal 2021 / art. e107158 <https://doi.org/10.15252/embj.2020107158> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The growth and nutrients status of conifers on ash-treated cutaway peatland**

Kikamägi, Karin; Ots, Katri; Kuznetsova, Tatiana; **Pototski, Aleksander** Trees : structure and function 2014 / p. 53-64 : ill <https://doi.org/10.1007/s00468-013-0929-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The impact of 1-butyl-3-methylimidazolium chloride on electrospinning process of SAN polymer solutions and electrospun fiber morphology**

**Gudkova, Viktoria**; Krumme, Andres; Märtsen, Triin; Rikko, M.; Tarasova, Elvira; Viirsalu, Mihkel Journal of electrostatics 2014 / p. 433-436 : ill <https://doi.org/10.1016/j.elstat.2014.08.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The impact of the natural level of blood biochemicals on electroencephalographic markers in healthy people**

**Päeske, Laura**; Hinrikus, Hiie; Lass, Jaanus; Pöld, Toomas; **Bachmann, Maie** Sensors 2024 / art. 7438 <https://doi.org/10.3390/s24237438> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The in silico identification and characterization of a bread wheat/Triticum militinae introgression line**

Abrouk, Michael; Balcarkova, Barbora; Šimkova, Hana; **Jakobson, Irena**; Timofejeva, Ljudmilla; Järve, Kadri Plant biotechnology journal 2017 / p. 249-256 : ill <https://doi.org/10.1111/pbi.12610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The initiation of free radical peroxidation of low-density lipoproteins by glucose and its metabolite methylglyoxal: A**

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

**Lankin, Vadim Z.; Konovalova, Galina G.;** Tikhaze, Alla K.; Shumaev, Konstantin; Kumsikova, 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](#)

### **The location of energetic compartments affects energetic communication in cardiomyocytes**

**Birkedal, Rikke; Laasmaa, Martin; Vendelin, Marko** Frontiers in physiology 2014 / art. 376, 9 p.: ill <https://doi.org/10.3389/fphys.2014.00376> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The missing link in the amyloid cascade of Alzheimer's disease - metal ions**

**Tiiman, Ann; Palumaa, Peep; Tõugu, Vello** Neurochemistry international 2013 / p. 367-378 : ill <https://doi.org/10.1016/j.neuint.2013.01.023> <https://www.sciencedirect.com/science/article/pii/S0197018613000326> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The role of initial oligomers in amyloid fibril formation by human stefin B**

Taler-Verčič, Ajda; **Kirsipuu, Tiina; Friedemann, Merlin; Noormägi, Andra; Smirnova, Julia; Palumaa, Peep** International journal of molecular sciences 2013 / p. 18362-18384 : ill <https://doi.org/10.3390/ijms140918362> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The role of tubulin in the mitochondrial metabolism and arrangement in muscle cells**

Tepp, Kersti; Mado, Kati; **Varikmaa, Minna;** Klepinin, Aleksandr; Timohhina, Natalja; Shevchuk, Igor; Chekulayev, Vladimir; Kuznetsov, Andrey V.; Guzun, Rita; Kaambre, Tuuli Journal of bioenergetics and biomembranes 2014 / p. 421-434 : ill <https://doi.org/10.1007/s10863-014-9579-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The transcription factor network of E. coli steers global responses to shifts in RNAP concentration**

Almeida, Bilena L.B.; Bahrudeen, Mohamed N. M.; Chauhan, Vatsala; Dash, Suchintak; Kandavalli, Vinodh; Häkkinen, Antti; Lloyd-Price, Jason; Cristina, Palma S. D.; Baptista, Ines S. C.; **Smolander, Olli-Pekka** Nucleic acids research 2022 / p. 6801-6819 <https://doi.org/10.1093/nar/gkac540> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The use of anhydrous barium hydroxide for selective alkylation of dialkyl-tert-butyl-calix[4]arenes**

Yesypenko, Oleksandr A.; **Trybrat, Oleksandr O.;** Kalchenko, Vitaly I. Molecules 2023 / art. 1089, 10 p. : ill <https://doi.org/10.3390/molecules28031089> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Therapeutic potential of the endoplasmic reticulum located and secreted CDNF/MANF family of neurotrophic factors in Parkinson's disease**

Voutilainen, Merja H.; **Arumäe, Urmas;** Airavaara, Mikko; Saarma, Mart FEBS letters 2015 / p. 3739-3748 : ill <https://doi.org/10.1016/j.febslet.2015.09.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Thermal analysis of a disposable, instrument-free DNA amplification lab-on-a-chip platform**

**Pardy, Tamas; Rang, Toomas;** Tulp, Indrek Sensors 2018 / art. 1812, 13 p. : ill <https://doi.org/10.3390/s18061812> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Thermal stability of red algal galactans: Effect of molecular structure and counterions**

Robal, Marju; Truus, Kalle; **Volobujeva, Olga; Mellikov, Enn;** Tuvikene, Rando International journal of biological macromolecules 2017 / p. 213-223 : ill <https://doi.org/10.1016/j.jbiomac.2017.05.175> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Thiacalix[4]arene phosphoric acids. Synthesis, structure, and inhibition of glutathione S-transferases**

Silenko, Oleg; Cherenok, Serhii; **Karpichev, Yevgen** Phosphorus, sulfur, and silicon and the related elements 2022 / p. 538-541 <https://doi.org/10.1080/10426507.2021.2011877> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **3-Alkyl-1,2-cyclopentanediones by Negishi cross-coupling of a 3-bromo-1,2-cyclopentanedione silyl enol ether with alkylzinc reagents : an approach to 2-substituted carboxylic acid $\gamma$ -lactones, homocitric and lycoperdic acids**

**Paju, Anne; Kostomarov, Diana; Matkevits, Katharina; Laos, Marit;** Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus Tetrahedron 2015 / p. 9313-9320 : ill <https://doi.org/10.1016/j.tet.2015.10.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Thymidine rescues ATR kinase inhibitor-induced deoxyuridine contamination in genomic DNA, cell death, and interferon- $\alpha/\beta$ expression**

Sugitani, Norie; Vendetti, Frank P.; Cipriano, Andrew J.; Pandya, Pinakin; Deppas, Joshua J.; **Moiseeva, Tatiana;** Schamus-Haynes, Sandra; Wang, Yiyang; Palmer, Drake; Osmanbeyoglu, Hatice U. The Cell Reports 2022 / art. 111371 <https://doi.org/10.1016/j.celrep.2022.111371> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The TIMELESS roles in genome stability and beyond**

**Vipat, Sameera Anant; Moiseeva, Tatiana** Journal of molecular biology 2024 / art. 168206, 14 p. : ill <https://doi.org/10.1016/j.jmb.2023.168206> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Timescales of methane seepage on the Norwegian margin following collapse of the Scandinavian Ice Sheet**

Cremiere, Antoine; **Lepland, Aivo**; Chand, Shyam; **Martma, Tõnu** Nature communications 2016 / p. 1-10 : ill <https://doi.org/10.1038/ncomms11509> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Topoisomerase II beta interacts with cohesin and CTCF at topological domain borders**

**Uusküla-Reimand, Liis**; Hou, Huayun; Samavarchi-Tehrani, Payman Genome biology 2016 / art. 182, p. 1-22 : ill <https://doi.org/10.1186/s13059-016-1043-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Topological fingerprints as an aid in finding structural patterns for LRRK2 inhibition**

**Kahn, Iiris**; **Lomaka, Andre**; **Karelson, Mati** Molecular informatics 2014 / p. 269-275 : ill <https://doi.org/10.1002/minf.201300057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Toward unified pH of saline solutions**

**Lainela, Silvie**; Leito, Ivo; Heering, Agnes; Capitaine, Gaelle; Anes, Barbara; Camões, Filomena; Stoica, Daniela Water 2021 / art. 2522 <https://doi.org/10.3390/w13182522> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Towards efficient wireless body area network using two-way relay cooperation**

Waheed, Maham; Ahmad, Rizwan; **Alam, Muhammad Mahtab** Sensors 2018 / art. 565, 23 p. : ill <https://doi.org/10.3390/s18020565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Towards ortho-selective electrophilic substitution/addition to phenolates in anhydrous solvents**

**Lopušanskaja, Eleana**; **Kooli, Anni**; **Paju, Anne**; **Järving, Ivar**; **Lopp, Margus** Tetrahedron 2021 / art. 131935, 9 p <https://doi.org/10.1016/j.tet.2021.131935> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Towards the total synthesis of 9,11-secoesterol: Linking A,B- and D-rings with Michael addition to sulfone-activated cyclopentenone**

**Kõllo, Marek**; **Rõuk, Kristi**; **Järving, Ivar**; Pehk, Tõnis; **Lopp, Margus** Tetrahedron 2023 / art. 133363 : ill <https://doi.org/10.1016/j.tet.2023.133363> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Toxicity and bio-acceptability in the context of biological processes in ionic liquid media**

Prydderch, Hannah; Heise, Andreas; **Gathergood, Nicholas** Ionic liquids in the biorefinery concept : challenges and perspectives 2016 / p. 168-201 <https://doi.org/10.1039/9781782622598-00168> [Article collection metrics at Scopus](#) [Article at Scopus](#) [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](#)

### **Toxicity screening of fungal extracts and metabolites, xenobiotic chemicals, and indoor dusts with in vitro and ex vivo bioassay methods**

Hintikka, Tuomas; Andersson, Maria A.; Lundell, Taina; Marik, Tamas; Kredics, Laszlo; Mikkola, Raimo; Andersson, Magnus C.; **Kurnitski, Jarek**; Salonen, Heidi Pathogens 2024 / art. 217 <https://doi.org/10.3390/pathogens13030217> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **TrajectoryNAS: a neural architecture search for trajectory prediction**

Sharifi, Ali Asghar; Zoljodi, Ali; **Daneshtalab, Masoud** Sensors 2024 / 15, p. : ill <https://doi.org/10.3390/s24175696> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Transcriptome-wide identification of genes involved in Ascorbate–Glutathione cycle (Halliwell–Asada pathway) and related pathway for elucidating its role in antioxidative potential in finger millet (Eleusine coracana (L.))**

Avasathi, Himanshu; Pathak, Rajesh Kumar; Pandey, Neetesh; Arora, Sandeep; Mishra, Amrendra Kumar; **Gupta, Vijai Kumar**; Ramteke, Pramod Wasudeo; Kumar, Anil 3 Biotech 2018 / Art. nr. 499 <https://doi.org/10.1007/s13205-018-1511-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Transfer of modified gut viromes improves symptoms associated with metabolic syndrome in obese male mice**

Mao, Xiaotian; Larsen, Sabina Birgitte; Zachariassen, Line Sidsel Fisker; Brunse, Anders; **Adamberg, Signe**; Mejia, Josue Leonardo Castro; Larsen, Frej; **Adamberg, Kaarel**; Nielsen, Dennis Sandris; Hansen, Axel Kornerup; Hansen, Camilla Hartmann Friis; Rasmussen, Torben Sølbeck Nature communications 2024 / art. 4704 <https://doi.org/10.1038/s41467-024-49152-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Transformation of natural and synthetic dyes in pulsed electric discharge in the granular steel bed**

Shiyan, Ludmila; Lobanova, Galina; Yurmazova, Tatyana; Machekhina, Ksenia; **Preis, Sergei** Journal of electrostatics 2018 / p. 90-98 : ill <https://doi.org/10.1016/j.elstat.2018.10.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Trophoblast derived extracellular vesicles specifically alter the transcriptome of endometrial cells and may constitute a**

### **critical component of embryo-maternal communication**

Godakumara, Kasun; Ord, James; Lättেকivi, Freddy; Dissanayake, Keerthie; Viil, Janeli; Boggavarapu, Nageswara Rao; Faridani, Omid R.; Jääger, Kersti; **Velthut-Meikas, Agne**; Jaakma, Ülle; Salumets, Andres; Fazeli, Alireza Reproductive biology and endocrinology 2021 / art. 115 <https://doi.org/10.1186/s12958-021-00801-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Turnip Mosaic Virus Transcriptional Slippage Dynamics and Distribution in RNA Subpopulations**

**Kärblane, Kairi; Olspert, Allan**; Firth, Andrew E. Molecular plant-microbe interactions 2022 / p. 835-844 : ill <https://doi.org/10.1094/MPMI-03-22-0060-R> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **[2,3]-Wittig rearrangement as a formal asymmetric alkylation of $\alpha$ -branched ketones**

**Kimm, Mariliis; Ošeka, Maksim; Kaabel, Sandra; Metsala, Andrus; Järving, Ivar; Kanger, Tõnis** Organic letters 2019 / p. 4976-4980 <https://doi.org/10.1021/acs.orglett.9b01495> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **2013 Practice guidelines for the management of arterial hypertension of the European Society of Hypertension (ESH) and the European Society of Cardiology (ESC): ESH/ESC Task Force for the Management of Arterial Hypertension**

Mancia, Giuseppe; Fagard, Robert; Narkiewicz, Krzysztof; Redón, Josep; Zanchetti, Alberto; Böhm, Michael; Christiaens, Thierry; Cifkova, Renata; **Viigimaa, Margus** Journal of Hypertension 2013 / p. 1925 - 1938 <https://doi.org/10.1097/HJH.0b013e328364ca4c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A two-cohort RNA-seq study reveals changes in endometrial and blood mirnome in fertile and infertile women**

Rekker, Kadri; Altmäe, Signe; Suhorutshenko, Marina; Peters, Maire; Martinez-Blanch, Juan F.; Codoñer, Francisco M.; Vilella, Felipe; Simón, Carlos; Salumets, Andres; **Velthut-Meikas, Agne** Genes 2018 / Article nr. 574 <https://doi.org/10.3390/genes9120574> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Two-step conversion of carboxylic esters into distally fluorinated ketones: Via ring cleavage of cyclopropanol intermediates: Application of sulfinate salts as fluoroalkylating reagents**

Konik, Yulia A.; **Kudrjašova, Marina; Konrad, Nele; Kaabel, Sandra; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry** Organic and Biomolecular Chemistry 2017 / p. 4635-4643 : ill <https://doi.org/10.1039/c7ob00680b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **uCARE Chem Suite and uCAREChemSuiteCLI : tools for bacterial resistome prediction**

Saha, Saurav Bhaskar; **Gupta, Vijai Kumar**; Ramteke, Pramod Wasudeo Genes and Diseases 2021 / p. 721 - 729 <https://doi.org/10.1016/j.gendis.2020.06.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Unchanged mitochondrial organization and compartmentation of high-energy phosphates in creatine-deficient GAMT(-/-) mouse hearts**

**Branovets, Jelena; Sepp, Mervi; Kotlyarova, Svetlana; Jephina, Natalja; Sokolova, Niina**; Aksentijevic, Dunja; Neubauer, Stefan; Lygate, Craig A.; **Vendelin, Marko; Birkedal Nielsen, Rikke** American journal of physiology - heart and circulatory physiology 2013 / p. H506-H520 : ill <https://doi.org/10.1152/ajpheart.00919.2012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Understanding the use of heterogenous data in tackling urban flooding : an integrative literature review**

Ren, Ming; Zhang, Ziqi; Zhang, Jun; **Mora, Luca** Water (Switzerland) 2022 / art. 2160 <https://doi.org/10.3390/w14142160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Unlocking the secrets of peptide transport in wine yeast: insights into oligopeptide transporter functions and nitrogen source preferences**

**Berg, Hidde Yael; Arju, Georg**; Becerra-Rodriguez, Carmen; Galeote, Virginie; **Nisamedtinov, Ildar** Applied and environmental microbiology 2023 / art. e0114123 <https://doi.org/10.1128/aem.01141-23> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Untranslated regions of brain-derived neurotrophic factor (Bdnf) mRNA control its translatability and subcellular localization**

**Lekk, Ingrid; Cabrera-Cabrera, Florencia**; Turconi, Giorgio; **Tuvikene, Jürgen; Esvald, Eli-Eelika; Rähni, Annika**; Casserly, Laoise; Garton, Daniel R.; Andressoo, Jaan-Ölle; **Timmusk, Tõnis; Koppel, Indrek** The journal of biological chemistry 2023 / art. 102897 <https://doi.org/10.1016/j.jbc.2023.102897> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Update of the position paper on arterial hypertension and erectile dysfunction**

**Viigimaa, Margus**; Vlachopoulos, Charalambos; Doumas, Michael; Wolf, Jacek; Imprialos, Konstantinos; Terentes-Printzios, Dimitrios; Ioakeimidis, Nikolaos; Kotsar, Andres; **Kiitam, Urmo** Journal of hypertension 2020 / p. 1220-1234 <https://doi.org/10.1097/HJH.0000000000002382> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An upstream enhancer and MEF2 transcription factors fine-tune the regulation of the Bdnf gene in cortical and hippocampal neurons**

**Avarlaid, Annela; Falkenberg, Kaisa; Lehe, Karin**; Mudo, Giuseppa; Belluardo, Natale; Di Liberto, Valentina; Frinchi, Monica;

**Tuvikene, Jürgen; Timmusk, Tõnis** Journal of biological chemistry 2024 / art. 107411, 12 p. : ill  
<https://doi.org/10.1016/j.jbc.2024.107411> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Uptake and accumulation of B-group vitamins in *Saccharomyces cerevisiae* in ethanol-fermented batch culture**  
**Paalme, Toomas; Kevvai, Kaspar; Vilbaste, K.; Hälvin, Kristel; Nisamedtinov, Ildar** World journal of microbiology and biotechnology 2014 / p. 2351-2359 : ill <https://doi.org/10.1007/s11274-014-1660-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Urban planning principles of nearly zero-energy residential buildings in Estonia**  
**Voll, Hendrik; Thalfeldt, Martin; De Luca, Francesco; Kurnitski, Jarek; Olesk, Timo** Management of environmental quality - an international journal 2016 / p. 634-648 : ill <https://doi.org/10.1108/meq-05-2015-0101> [Journal metrics at Scopus](#) [Article at Scopus](#)

**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](#)

**Usage of bacterial artificial chromosomes for studying BDNF gene regulation in primary cultures of cortical neurons and astrocytes**  
**Jaanson, Kaido; Pärn, Angela; Timmusk, Tõnis** Brain-derived neurotrophic factor (BDNF) 2019 / p. 13-25  
[https://doi.org/10.1007/7657\\_2018\\_10](https://doi.org/10.1007/7657_2018_10) [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Use of alkali-activated aluminosilicate material to enhance biogas production from acidic whey**  
**Rugele, K.; Skripsts, E.; Mezule, L.; Pitk, Peep; Bajare, D.; Juhna, T.** Open biotechnology journal 2015 / p. 54-60 : ill  
<https://doi.org/10.2174/1874070701509010054> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Use of chagatai 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](#)

**User experience during an immersive virtual reality-based cognitive task : a comparison between Estonian and Italian older adults with MCI**  
**Mondellini, Marta; Arlati, Sara; Gapeyeva, Helena; Lees, Kairi; Märitz, Ingrid; Pizzagalli, Simone Luca; Otto, Tauno; Sacco, Marco; Teder-Braschinsky, Anneli** Sensors 2022 / art. 8249 <https://doi.org/10.3390/s22218249> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

**User-friendly analysis of droplet array images**  
**Sanka, Immanuel; Bartkova, Simona; Pata, Pille; Ernits, Mart; Meinberg, Monika Merje; Agu, Natali; Aruoja, Villem; Smolander, Olli-Pekka; Scheler, Ott** Analytica chimica acta 2023 / art. 341397 <https://doi.org/10.1016/j.aca.2023.341397> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Uterine fluid proteins for minimally invasive assessment of endometrial receptivity**  
**Kasvandik, Sergio; Saarma, Merilin; Kaart, Tanel; Rooda, Ilmatar; Velthut-Meikas, Agne; Ehrenberg, Aivar; Gemzell, Kristina; Lalitkumar, Parameswaran Grace; Salumets, Andres; Peters, Maire** The journal of clinical endocrinology & metabolism 2020 / p. 219-230 <https://doi.org/10.1210/clinem/dgq019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Utilization of <sup>15</sup>N-labelled yeast hydrolysate in *Lactococcus lactis* IL1403 culture indicates co-consumption of peptide-bound and free amino acids with simultaneous efflux of free amino acids**  
**Kevvai, Kaspar; Kütt, Mary-Liis; Nisamedtinov, Ildar; Paalme, Toomas** Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology 2014 / p. 511-522 : ill <https://doi.org/10.1007/s10482-013-0103-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**UVA-induced antimicrobial activity of ZnO/Ag nanocomposite covered surfaces**  
**Visnapuu, Meeri; Rosenberg, Merilin; Truska, Egle; Nõmmiste, Ergo; Šutka, Andris; Kahru, Anne; Rähn, Mihkel; Vija, Heiki; Orupõld, Kaja; Kisand, Vambola; Ivask, Angela** Colloids and Surfaces B: Biointerfaces 2018 / p. 222-232  
<https://doi.org/10.1016/j.colsurfb.2018.05.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Validation of climate model-inferred regional temperature change for late-glacial Europe**  
**Heiri, Oliver; Brooks, Stephen J.; Amon, Leeli; Veski, Siim** Nature communications 2014 / p. 1-7 : ill  
<https://doi.org/10.1038/ncomms5914> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Validation of wired and wireless interconnected body sensor networks**  
**Talpur, Anum; Shaikh, Faisal Karim; Baloch, Natasha; Felemban, Emad; Khelil, Abdelmajid; Alam, Muhammad Mahtab** Sensors 2019 / art. 3697, 23 p. : ill <https://doi.org/10.3390/s19173697> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Valorization of fruits and vegetable wastes and by-products to produce natural pigments**

Sharma, Minaxi; **Usmani, Zeba; Gupta, Vijai Kumar**; Bhat, Rajeev Critical Reviews in Biotechnology 2021 / p. 535-563 : ill  
<https://doi.org/10.1080/07388551.2021.1873240> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Variability in the water footprint of arable crop production across European regions**

Gobin, Anne; Kersebaum, Kurt Christian; Eitzinger, Josef; Trnka, Miroslav; **Saue, Triin** Water 2017 / art. 93, p. 1-22 : ill  
<https://doi.org/10.3390/w9020093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Variable expression of lineage regulators in differentiated stromal cells indicates distinct mechanisms of differentiation towards common cell fate**

**Jääger, Kersti**; Fatkina, Angelika; Velts, Anna; Orav, Ester; **Neuman, Toomas** Gene 2014 / p. 173-179 : ill  
<https://doi.org/10.1016/j.gene.2013.09.094> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Variation in the composition of the essential oil of commercial *Salvia officinalis* L. leaves samples from different countries**

Raal, Ain; **Orav, Anne**; Ilina, Tetiana; Kovalyova, Alla; Koliadzhyn, Taras; Avidzba, Yuliia; Koshovyi, Oleh Phytion-International Journal of Experimental Botany 2024 / p. 2051 - 2062 <https://doi.org/10.32604/phyton.2024.052790> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Variations on the theme of podosomes : A matter of context**

Alonso, Florian; **Spuul, Pirjo**; Daubon, Thomas Biochimica et biophysica acta : molecular cell research 2019 / p. 545-553 : ill  
<https://doi.org/10.1016/j.bbamcr.2018.12.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Variations sur le thème des podosomes, une affaire de contexte**

Alonso, Florian; Spuul, Pirjo; Kramer, Ijsbrand; Genot, Elisabeth M/S : médecine sciences 2018 / p. 1063 - 1070 : ill  
<https://doi.org/10.1051/medsci/2018296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **VEGF-A stimulates podosome-mediated collagen-IV proteolysis in microvascular endothelial cells**

Daubon, Thomas; **Spuul, Pirjo**; Alonso, Florian; Fremaux, Isabelle; Genot, Elisabeth Journal of cell science 2016 / p. 2586-2598 : ill  
<https://doi.org/10.1242/jcs.186585> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Very high radiofrequency radiation at Skeppsbron in Stockholm, Sweden from mobile phone base station antennas positioned close to pedestrians' heads**

**Koppel, Tarmo**; Ahonen, Mikko; Carlberg, Michael; Hardell, Lennart Environmental research 2022 / art. 112627  
<https://doi.org/10.1016/j.envres.2021.112627> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Visualizing ribbon-to-ribbon heterogeneity of chemically unzipped wide graphene nanoribbons by silver nanowire-based tip-enhanced raman scattering microscopy**

Inose, Tomoko; Toyouchi, Shuichi; Hara, Shinnosuke; Sugioka, Shoji; **Walke, Peter R.**; Oyabu, Rikuto; Fortuni, Beatrice; Peeters, Wannes; Usami, Yuki; Hirai, Kenji Small 2024 / art. 2301841, 10 p. : ill <https://doi.org/10.1002/sml.202301841> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Wolframin deficiency is accompanied with metabolic inflexibility in rat striated muscles**

Tepp, Kersti; **Aid-Vanakova, Jekaterina**; Puurand, Marju; Timohhina, Natalja; **Reinsalu, Leenu**; Tein, Karin; Plaas, Mario; Ševtšuk, Igor; Terasmaa, Anton; Käämbre, Tuuli Biochemistry and Biophysics Reports 2022 / art. 101250  
<https://doi.org/10.1016/j.bbrep.2022.101250> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **α-Lipoic acid: a potential regulator of copper metabolism in Alzheimer's disease**

**Kirss, Sigrid**; Reinapu, Anette; **Kabin, Ekaterina**; **Smirnova, Julia**; **Tõugu, Vello**; **Palumaa, Peep** Frontiers in Molecular Biosciences 2024 / art. 1451536 <https://doi.org/10.3389/fmolb.2024.1451536> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)