

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](#)

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](#)

[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](#)

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](#)

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; Öpik, Andres; Söritski, 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](#)

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](#)

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; Vorrjö, Evelina; Talmund, Philippa; Lõokene, 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](#)

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

Paalme, Toomas; Vilbaste, Allan; Kewai, Kaspar; Nisamedtinov, Ildar; Hälvín, 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](#)

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](#)

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

Ošek, 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 titanacyclop propane 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](#)

Author Correction : DOME : recommendations for supervised machine learning validation in biology

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: 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](#)

Automatic calibration module for an urban drainage system model

Anus, 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](#)

Autosampler for portable capillary electrophoresis

Ružicka, Martin; Kaljurand, Mihkel; Gorbatošova, 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](#)

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](#)

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](#)

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

Vansovits, 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](#)

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](#)

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 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- β and inhibitory peptides to study their interaction via nanoscale infrared spectroscopy

Paul, Suman; Jenišťová, Adéla; Vosough, Faraz; **Berntsson, Elina;** Mörmann, Cecilia; Jarvet, Jüri; Gräslund, Astrid; Wärmländer, 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](#)

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](#)

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; Lõhela, 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](#)

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](#)

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, Sergio; **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; Hartlmüller, 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 Uranyl (UO₂²⁺) ion binding to Amyloid Beta (A β) peptides : effects on A β 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/acschemneuro.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](#)

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](#)

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](#)

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](#)

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](#)

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; **Gorbatšova, 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](#)

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](#)

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](#)

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

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-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; Salinš, 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

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

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

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

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

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 γ -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**; **Vaher, 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; **Vaher, 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 of a capillary electrophoresis method with direct UV detection for the analysis of thiodiglycol and its oxidation products

Jõul, Piia; **Lees, Heidi**; **Vaher, 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

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](#)

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](#)

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](#)

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](#)

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; Väljamäe, 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](#)

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](#)

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](#)

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; **Sõritski, 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](#)

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 α,β -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](#)

[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](#)

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](#)

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](#)

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](#)

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](#)

[Article at WOS](#)

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

Kaljurand, Mihkel; Ružicka, Martin; Gorbatošova, 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](#)

[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; Lõokene, 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](#)

[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](#)

[Article at WOS](#)

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

Shteplyuk, 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](#)

[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](#)

[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](#)

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 RuO₂ 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](#)

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](#)

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; **Körge, 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 [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 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](#)

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](#)

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

Karaliūnas, Mindaugas; Dudutiene, 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](#)

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](#)

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](#)

¹H 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](#)

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
<https://doi.org/10.1016/j.biochi.2018.09.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Immunodetection of *Streptococcus uberis* pathogen in raw milk

Mihklepp, Kaisa; Kivirand, Kairi; Juronen, Delia; Lõokene, Aivar; Rinken, Toonika Enzyme and microbial technology 2019 / art. 109360, 6 p. : ill <https://doi.org/10.1016/j.enzmtec.2019.109360> [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; Suursõöt, 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](#)

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](#)

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](#)

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](#)

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](#)

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](#)

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](#)

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](#)

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

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

Zawiska, Izabela; Dimante-Deimantovica, Inta; Luoto, Tomi P.; Stivrīns, 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

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

Hassan, Hammad; Ahmed, Irfan; 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

Mercury and Alzheimer's disease: Hg(II) ions display specific binding to the amyloid- β 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

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

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 conversion 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

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

Modelling of a biologically inspired robotic fish driven by compliant parts

EL Daou, Hadi; Salumäe, Taavi; Chambers, Lily D.; Megill, 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](#)

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 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](#)

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](#)

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](#)

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](#)

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 [Article collection 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](#)

NMR assignment of methyl groups in immobilized proteins using multiple-bond ¹³C 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](#)

Non-standard electrode placement strategies for ECG signal acquisition

Metshein, Margus; Krivošei, Andrei; Abdullayev, Anar; Annus, Paul; Märten, 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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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-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](#)

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](#)

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; Rjabtšikov, 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](#)

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 C18 hydroxylpolyunsaturated fatty acids to epoxide or ketone by catalase-related hemoproteins activated with iodosylbenzene

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](#)

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](#)

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](#)

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](#)

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](#)

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**; **Sõritski, 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](#)

Probing determinants of cyclopiazonic acid sensitivity of bacterial Ca²⁺-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](#)

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](#)

Proteomics analysis of Fusarium proliferatum under various initial pH during fumonisins 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](#)

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](#)

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 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

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](#)

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](#)

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](#)

A review on development of bio-inspired implants using 3D printing

Raheem, Ansheed A.; Hameed, Pearlin; **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](#)

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 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.bbambio.2013.10.011> [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](#)

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](#)

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-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-](https://doi.org/10.1088/1748-3182/8/2/026001)

[3182/8/2/026001](https://doi.org/10.1088/1748-3182/8/2/026001) [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;

Märtens, 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](#)

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; Khayat Kashani, 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](#)

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](#)

Solid-state NMR backbone chemical shift assignments of α -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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

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

Spermatozoa induce transcriptomic alterations in bovine oviductal epithelial cells prior to initial contact

Reshi, Qurat Ul Ain; Viil, Janeli; Ord, James; Lättekivi, Freddy; Godakumara, Kasun; Hasan, Mohammed Mehedi; Nõmm, 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](#)

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](#)

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](#)

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](#)

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](#)

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 γ -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

Velihina, 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](#)

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](#)

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 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](#)

Therapeutic potential of the endoplasmic reticulum located and secreted CDFN/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**; **Melikov, Enn**; Tuvikene, Rando International journal of biological macromolecules 2017 / p. 213-223 : ill <https://doi.org/10.1016/j.ijbiomac.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 γ -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](#)

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-secoosterol: 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

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](#)

[2,3]-Wittig rearrangement as a formal asymmetric alkylation of α -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](#)

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](#)

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](#)

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-Olle; **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](#)

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](#)

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](#)

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, Sergo; 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/dgz019> [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](#)

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](#)

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](#)

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](#)