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

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

An electrochemical biosensor for direct detection of hepatitis C virus
Antipchik, Mariia; Korzhikova-Vlakh, Evgenia; Polyakov, Dmitry; Tarasenko, Irina; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** Analytical Biochemistry 2021 / art. 114196 https://doi.org/10.1016/j.ab.2021.114196 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Asymmetric synthesis with titanacyclopropane reagents : From early results to the recent achievements
Konik, Yulia A.; **Kananovich, Dzmitry** Tetrahedron letters 2020 / art. 152036, 12 p. : ill https://doi.org/10.1016/j.tetlet.2020.152036 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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
Annus, Ivar; **Vassiljev, Anatoli**; **Kändler, Nils**; **Kaur, Katrin** Water 2021 / art. 1419 https://doi.org/10.3390/w13101419 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Autosampler for portable capillary electrophoresis
Ružicka, Martin; **Kaljurand, Mihkel**; **Gorbatšova, 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

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

Bridging the gap in technology transfer for advanced process control with industrial applications
Vansovitš, Vitali; **Petlenkov, Eduard**; **Tepljakov, Aleksei**; **Vassiljeva, Kristina**; **Belikov, Juri** Sensors 2022 / art. 4149
https://doi.org/10.3390/s22114149 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Characterization of protein kinase ULK3 regulation by phosphorylation and inhibition by small molecule SU6668
Kasak, Lagle; **Näks, Mihkel**; **Eek, Priit**; Piirsoo, Alla; **Bhadoria, Rohit**; **Starkov, Pavel**; Saarma, Merilin; Kasvandik, Sergo; **Piirsoo, Marko** Biochemistry 2018 / p. 5456−5465 https://doi.org/10.1021/acs.biochem.8b00356 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chrysophanol : a natural anthraquinone with multifaceted biotherapeutic potential
Prakteeksha; Yusuf, Mohd Aslam; Singh, Brahma N.; **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

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

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

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

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

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

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

Enantioselective organocatalytic Michael addition to unsaturated indolyl ketones
Trubitsõn, Dmitri; **Martõnova, Jevgenia**; **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

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

An evolutionary field theorem : evolutionary field optimization in training of power-weighted multiplicative neurons for nitrogen oxides-sensitive electronic nose applications
Alagoz, Baris Baykant; Simsek, Ozlem Imik; Ari, Davut; **Tepljakov, Aleksei**; **Petlenkov, Eduard**; **Alimohammadi, Hossein** Sensors 2022 / art. 3836 https://doi.org/10.3390/s22103836 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Excitonic emission in heavily Ga-doped zinc oxide films grown on GaN
Shtepliuk, I.; Khranovskyy, D.; Gogova, D.; **Danilson, Mati**; **Krunks, Malle** Journal of luminescence 2020 / art. 117265, 10 p. : ill https://doi.org/10.1016/j.jlumin.2020.117265 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Formulation of active food packaging by design: Linking composition of the film-forming solution to properties of the chitosan-based film by response surface methodology (RSM) modelling
Bajić, Marijan; Oberlintner, Ana; **Kõrge, Kristi**; Likozar, Blaž; Novak, Uroš International Journal of Biological Macromolecules 2020 / p. 971 - 978 https://doi.org/10.1016/j.ijbiomac.2020.05.186 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**; **Nurm, 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

Gly188Arg substitution eliminates substrate inhibition in arachidonate 11R-lipoxygenase
Põldemaa, 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

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

Identification of a novel member of 2H phosphoesterases, 2',5'-oligoadenylate degrading ribonuclease from the oyster Crassostrea gigas
Lopp, Annika; **Reintamm, Tõnu**; **Kuusksalu, Anne**; **Olspert, 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

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.enzmictec.2019.109360 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Individual and simultaneous degradation of sulfamethoxazole and trimethoprim by ozone, ozone/hydrogen peroxide and ozone/persulfate processes: A comparative study
Adil, Sawaira; Maryam, Bareera; Kim, Eun-Ju; **Dulova, Niina** Environmental research 2020 / art. 109889, 10 p https://doi.org/10.1016/j.envres.2020.109889 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

Long-Term Consequences of Water Pumping on the Ecosystem Functioning of Lake Sekšu, Latvia
Zawiska, Izabela; Dimante-Deimantovica, Inta; Luoto, Tomi P.; **Stivrinš, 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, Ifran; Ahmad, Rizwan; Khammari, Hedi; Bhatti, Ghulam; Ahmed, Waqas; **Alam, Muhammad Mahtab** Sensors 2019 / art. 3461, 25 p. : ill https://doi.org/10.3390/s19163461 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Machine learning-based prediction of specific energy consumption for cut-off grinding
Awan, Muhammad Rizwan; Rojas, Hernan A. Gonzalez; **Hameed, Saqib**; Riaz, Fahid; Hamid, Shahzaib; **Hussain, Abrar** Sensors 2022 / art. 7152 https://doi.org/10.3390/s22197152 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Methods for detection of bioimpedance variations in resource constrained environments
Priidel, Eiko; **Annus, Paul**; **Krivošei, Andrei**; **Rist, Marek**; **Land, Raul**; **Min, Mart**; **Märtens, Olev** Sensors 2020 / art. 1363, 16 p. : ill https://doi.org/10.3390/s20051363 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Micellar electrokinetic chromatography method for the analysis of synthetic and phytocannabinoids
Laanet, Pille-Riin; **Vaher, Merike**; **Saar-Reismaa, Piret** Journal of chromatography A 2022 / art. 463080
https://doi.org/10.1016/j.chroma.2022.463080 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microbial beta glucosidase enzymes : recent advances in biomass conversation for biofuels application
Srivastava, Neha; Rathour, Rishabh; Jha, Sonam; Pandey, Karan; Srivastava, Manish; Thakur, Vijay Kumar; Sengar, Rakesh Singh; **Gupta, Vijai Kumar**; Mazumder, Pranab Behari; Khan, Ahamad Faiz; Mishra, Pradeep Kumar Biomolecules 2019 / art. 220
https://doi.org/10.3390/biom9060220 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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**; Pärand, 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

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**; **Märtens, Olev** Sensors 2022 / art. 9351 https://doi.org/10.3390/s22239351 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Non-toxic and ultra-small biosilver nanoclusters trigger apoptotic cell death in fluconazole-resistant Candida albicans via Ras signaling
Prakteeksha; Singh, Braj R.; **Gupta, Vijai Kumar**; Deeba, Farah; Gathergood, Nicholas Biomolecules 2019 / art. 47, 23 p. : ill https://doi.org/10.3390/biom9020047 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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

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

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

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

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

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

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

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

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**; **Lopušanskaja, Eleana**; **Paju, Anne**; **Lopp, Margus** Tetrahedron 2021 / art. 132278, 8 p. : ill https://doi.org/10.1016/j.tet.2021.132278 Journal metics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Shaping the gut microbiota by bioactive phytochemicals : an emerging approach for the prevention and treatment of human diseases
Sudheer, Surya; Gangwar, Prateeksha; **Usmani, Zeba**; Sharma, Minaxi; Sharma, Vivek Kumar; Sana, Siva Sankar; Almeida, Fausto; Dubey, Nawal Kishore; Singh, Dhananjaya Pratap; Dilbaghi, Neeraj; Khayat Kashani, Hamid Reza; Gupta, Vijai Kumar; Singh, Brahma Nand; Khayatkashani, Maryam; Nabavi, Seyed Mohammad Biochimie 2022 / p. 38 - 63 https://doi.org/10.1016/j.biochi.2021.10.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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, 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

Systematic review of fault tolerant techniques in underwater sensor networks
Vihman, Lauri; **Kruusmaa, Maarja**; **Raik, Jaan** Sensors 2021 / art. 3264 https://doi.org/10.3390/s21093264 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 Artice 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

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

[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

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

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

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

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