

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

Rasgado Moreno, Carlos Omar; Rist, Marek; Land, Raul; Ratassepp, Madis Sensors 2022 / art. 486

<https://doi.org/10.3390/s22020486> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Ahmed, Faisal; Tamberg, Gert; Le Moullec, Yannick; Annus, Paul Sensors 2018 / art. 1105, 26 p. : ill

<https://doi.org/10.3390/s18041105> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Naseem, Taiba; Bibi, Fozia; Arif, Saira; Waseem, Muhammad Adnan; Haq, Sirajul; Azra, Mohamad Nor; Liblik, Taavi; Zekker, Ivar Molecules 2022 / art. 7152, 16 p. : ill <https://doi.org/10.3390/molecules27217152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Advances in detection of antibiotic pollutants in aqueous media using molecular imprinting technique - a review

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

#### 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](#)

#### Alumina/graphene/Cu hybrids as highly selective sensor for simultaneous determination of epinephrine, acetaminophen and tryptophan in human urine

Taleb, Masoud; Ivanov, Roman; Bereznev, Sergei; Kazemi, Sayed Habib; Hussainova, Irina Journal of electroanalytical chemistry 2018 / p. 184-192 : ill <https://doi.org/10.1016/j.jelechem.2018.06.013> [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](#)

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

Paju, Anne; Oja, Karolin; Matkevits, Katharina; Lumi, Priit; Järving, Ivar; Pehk, Tõnis; Lopp, Margus Heterocycles 2014 / p. 981-995 : ill [https://doi.org/10.3987/COM-13-S\(S\)28](https://doi.org/10.3987/COM-13-S(S)28) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Automatic spot preparation and image processing of paper microzone-based assays for analysis of bioactive compounds in plant extracts

Vaher, Merike; Borissova, Maria; Seiman, Andrus; Aid, Tiina; Kolde, Helen; Kazarjan, Jana; Kaljurand, Mihkel Food chemistry 2014 / p. 465-471 : ill <https://doi.org/10.1016/j.foodchem.2013.08.007> [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](#)

#### Bimetallic metal-organic-framework-derived porous cobalt manganese oxide bifunctional oxygen electrocatalyst

Yusibova, Gulnara; Assafrei, Jürgen-Martin; Ping, Kefeng; Aruväli, Jaan; Paiste, Päärn; Käär, M.; Leis, J.; Piirsoo, Helle-Mai; Tamm, Aile; Starkov, Pavel Journal of electroanalytical chemistry 2023 / art. 117161, 10 p.: ill <https://doi.org/10.1016/j.jelechem.2023.117161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Biodegradable polyurethane/graphene oxide scaffolds for soft tissue engineering : in vivo behavior assessment

Ivanoska-Dacic, Aleksandra; Bogoeva-Gaceva, Gordana; Krumme, Andres; Tarasova, Elvira; Scalera, Chiara; Stojkovski, Velimir; Gjorgoski, Icko; Ristoski, Tpe International Journal of Polymeric Materials and Polymeric Biomaterials 2020 / p. 1101 - 1111 <https://doi.org/10.1080/00914037.2019.1655754> [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; Tepļakov, Aleksej; 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](#)

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

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

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

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

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

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

#### **Capillary electrophoresis sensitivity enhancement based on adaptive moving average method**

Drevinskas, Tomas; Telksnys, Laimutis; Maruška, Audrius; **Gorbatošova, Jelena**; **Kaljurand, Mihkel** Analytical chemistry 2018 / p.

6773–6780 : ill <https://doi.org/10.1021/acs.analchem.8b00664> [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 aerogel-based solid-phase microextraction coating for the analysis of organophosphorus pesticides**

**Jõul, Piia**; **Vaher, Merike**; **Kuhtinskaja, Maria** Analytical methods 2021 / p. 69–76 : ill <https://doi.org/10.1039/D0AY02002H> [Journal](#)

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

#### **Characterisation of the aroma profiles of different honeys and corresponding flowers using solid-phase microextraction and gas chromatography-mass spectrometry/olfactometry**

**Seisonen, Sirli**; **Kivima, Evelin**; **Vene, Kristel** Food chemistry 2015 / p. 34-40 : ill <https://doi.org/10.1016/j.foodchem.2014.07.125>

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

#### **Cobalt- and iron-containing nitrogen-doped carbon aerogels as non-precious metal catalysts for electrochemical reduction of oxygen**

Sarapuu, Ave; Samolberg, Lars; **Kreek, Kristiina**; **Koel, Mihkel**; Matisen, Leonard; Tammeveski, Kaido Journal of electroanalytical

chemistry 2015 / p. 9-17 : ill <https://doi.org/10.1016/j.jelechem.2015.03.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Colorimetric determination of total phenolic contents in ionic liquid extracts by paper microzones and digital camera**

**Aid, Tiina**; **Kaljurand, Mihkel**; **Vaher, Merike** Analytical methods 2015 / p. 3193-3199 : ill <https://doi.org/10.1039/c5ay00194c> [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](#)

#### **Complete capillary electrophoresis process on a drone : towards a flying micro-lab**

Drevinskas, Tomas; Maruška, Audrius; Girdauskas, Valdas; Dūda, Gediminas; **Gorbatošova, Jelena**; **Kaljurand, Mihkel** Analytical

Methods 2020 / p. 4977 - 4986 <https://doi.org/10.1039/d0ay01220c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Dzieciol, Bartosz; **Osadchuk, Irina**; Cukras, Janusz; Lundell, Jan Molecules 2023 / art. 5148 <https://doi.org/10.3390/molecules28135148>

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

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

Kapp, Karmen; **Orav, Anne**; Roasto, Mati; Raal, Ain; Püssa, Tõnu; Vuorela, Heikki; Tammela, Päivi; Vuorela, Pia Planta medica

2020 / p. 1089–1096 <https://doi.org/10.1055/a-1158-1699> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Raal, Ain; **Orav, Anne**; **Gretšušnikova, Tatjana** Natural product research 2014 / p. 1091-1098 : tab

<https://doi.org/10.1080/14786419.2014.907287> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Correlation queries for mass spectrometry imaging

Suits, Frank; **Fehniger, Thomas Edward**; Végvári, Ákos; Marko-Varga, György; Horvatovich, Peter Analytical Chemistry 2013 / p. 4398 - 4404 <https://doi.org/10.1021/ac303658t> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

**Elgarhy, Osama Mohamed Mostafa**; Alam, Mohammad Saad; Tammets, Anet; Roosipuu, Priit; Ancans, Guntis; Saidans, Guntars; Tutovs, Jurijs; Saliņš, Klavs; Verdiņš, 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](#)

### Crystal phase and surface defect driven synthesis of Pb1–xSnxF2 solid solution electrolyte for fluoride ion batteries

**Molaiyan, Palanivel**; Witter, Raiker Journal of electroanalytical chemistry 2019 / p. 154-159 <https://doi.org/10.1016/j.jelechem.2019.04.063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### The current practice in the application of chemometrics for correlation of sensory and gas chromatographic data

**Seisonen, Sirli**; Vene, Kristel; Koppel, Kadri Food chemistry 2016 / p. 530-540 : ill <https://doi.org/10.1016/j.foodchem.2016.04.134> [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](#)

### Degradation of imidazolium-based ionic liquids by UV photolysis and pulsed corona discharge : the effect of persulfates addition

**Nikitin, Dmitri**; Preis, Sergei; Dulova, Niina Separation and purification technology 2024 / art. 127235 <https://doi.org/10.1016/j.seppur.2024.127235> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Detailed modeling of sorptive and textural properties of CaO-based sorbents with various porous structures

Bazaikin, Ya.V.; Malkovich, E.G.; Prokhorov, D.I.; **Derevshchikov, Vladimir** Separation and purification technology 2021 / art. 117746, 12 p. : ill <https://doi.org/10.1016/j.seppur.2020.117746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Determination of heating value of Estonian oil shale by laser-induced breakdown spectroscopy

Aints, Mart; Paris, Peeter; Laan, Matti; Piip, Kaarel; **Riisalu, Hella**; Tufail, Iram Journal of spectroscopy 2018 / 10 p. : ill <https://doi.org/10.1155/2018/4605925> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Determination of metal content in superoxide dismutase enzymes by capillary electrophoresis

**Kazarjan, Jana**; **Vaher, Merike**; Hunter, Therese; **Kulp, Maria**; Hunter, Gary James; Bonetta, Rosalin; Farrugia, Diane; **Kaljurand, Mihkel** Journal of separation science 2015 / p. 1042-1045 : ill <https://doi.org/10.1002/jssc.201400925> [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 and optimisation of HILIC-LC-MS method for determination of carbohydrates in fermentation samples

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

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

**Jõul, Piia**; **Lees, Heidi**; **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](#)

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

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

#### **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](#)

#### **Direct droplet digital PCR (dddPCR) for species specific, accurate and precise quantification of bacteria in mixed samples**

Pacocha, Natalia; Scheler, Ott; Nowak, Mikolaj Marcin Analytical methods 2019 / p. 5655–5738 : ill <https://doi.org/10.1039/c9ay01874c>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Droplet image analysis with user-friendly freeware CellProfiler**

Bartkova, Simona; Vendelin, Marko; Sanka, Immanuel; Pata, Pille; Scheler, Ott Analytical methods 2020 / p. 2287-2294 : ill  
<https://doi.org/10.1039/D0AY00031K> [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](#)

#### **Effect of the titanium isopropoxide : acetylacetone molar ratio on the photocatalytic activity of TiO<sub>2</sub> thin films**

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

#### **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 sensor based on molecularly imprinted polymer for rapid quantitative detection of brain-derived neurotrophic factor**

Ayankojo, Akinrinade George; Boroznjak, Roman; Reut, Jekaterina; Tuvikene, Jürgen; Timmusk, Tõnis; Sõritski, Vitali  
Sensors and Actuators B: Chemical 2023 / art. 134656 <https://doi.org/10.1016/j.snb.2023.134656> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

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

#### **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](#)

#### **Enhanced sensing properties of cobalt bis-porphyrin derivative thin films by a magneto-plasmonic-opto-chemical sensor**

Colombelli, A.; Manera, Maria Grazia; Borovkov, Victor; Giancane, Gabriele Sensors and actuators B : chemical 2017 / p. 1039-1048 : ill <https://doi.org/10.1016/j.snb.2017.01.192> [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](#)

**Ethane-bridged bisporphyrin conformational changes as an effective analytical tool for nonenzymatic detection of urea in the physiological range**

Buccolieri, Alessandro; **Hasan, Mohammed**; Bettini, Simona; **Borovkov, Victor** Analytical chemistry 2018 / p. 6952-6958 : ill  
<https://doi.org/10.1021/acs.analchem.8b01230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

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

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

**Smirnova, Julia**; **Gavrilova, Julia**; **Noormägi, Andra**; **Valmsen, Karin**; **Pupart, Hegne**; **Luo, Jinghui**; **Tõugu, Vello**; **Palumaa, Peep** Molecules 2022 / art. 3160 <https://doi.org/10.3390/molecules27103160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

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

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

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

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

**Extraction of bioactive compounds from Catharanthus roseus and Vinca minor**

**Koel, Mihkel**; **Kuhtinskaja, Maria**; **Vaher, Merike** Separation and purification technology 2020 / art. 117438 ; 5 p. : ill  
<https://doi.org/10.1016/j.seppur.2020.117438> [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](#)

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

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

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

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

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

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

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

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

**Fluorescence, electrophoretic and chromatographic fingerprints of herbal medicines and their comparative chemometric analysis**

**Mazina, Jekaterina**; **Vaher, Merike**; **Kuhtinskaja, Maria**; **Porõvkina, Larisa**; **Kaljurand, Mihkel** Talanta 2015 / p. 233-246 : ill  
<https://doi.org/10.1016/j.talanta.2015.02.050> [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](#)

### **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](#)

### **A gas chromatograph for citizen science**

**Kaljurand, Mihkel**; Gorbatošova, Jelena; Mazina-Šinkar, Jekaterina Microchemical journal 2021 / art. 106195, 6 p. : ill <https://doi.org/10.1016/j.microc.2021.106195> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Gasification and liquefaction of solid fuels by hydrothermal conversion methods**

**Kruusement, Kristjan**; Luik, Hans; Waldner, Maurice; Vogel, Frederic; **Luik, Lea** Journal of analytical and applied pyrolysis 2014 / p. 265-273 : ill <https://doi.org/10.1016/j.jaap.2014.04.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

### **Graphene-ceramic hybrid nanofibers for ultrasensitive electrochemical determination of ascorbic acid**

**Taleb, Masoud**; Ivanov, Roman; Bereznev, Sergei; Kazemi, Sayed Habib; Hussainova, Irina Microchimica acta 2017 / p. 897-905 : ill <https://doi.org/10.1007/s00604-017-2085-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A Guide to biodetection in droplets**

**Bartkova, Simona**; Zapotoczna, Marta; Sanka, Immanuel; Scheler, Ott Analytical chemistry 2024 / p. 9745-9755 <https://doi.org/10.1021/acs.analchem.3c04282> [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-performance liquid chromatography (HPLC)-size exclusion chromatography (SEC) for qualitative detection of humic substances and dissolved organic matter in mineral soils and peats in Lithuania**

Jokubauskaite, Ieva; Amaleviciute, Kristina; **Lepane, Viia**; Slepeliene, Alvyra; Slepetyt, Jonas; Liaudanskiene, Inga; Karcauskiene, Danute; Booth, Colin A. International journal of environmental analytical chemistry 2015 / p. 508-519 : ill <https://doi.org/10.1080/03067319.2015.1048435> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ice cream structure modification by ice-binding proteins**

**Kaleda, Aleksei**; Tsenov, Robert; Klesment, Tiina; Vilu, Raivo; Laos, Katrin Food Chemistry 2018 / p. 164-171 <https://doi.org/10.1016/j.foodchem.2017.10.152> [Journal at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

### **Impact of apple cultivar, ripening stage, fermentation type and yeaststrain on phenolic composition of apple ciders**

Laaksonen, Oskar; **Kuldjärv, Rain**; Paalme, Toomas; Virkki, Mira; Yang, Baoru Food chemistry 2017 / p. 29-37 : ill <https://doi.org/10.1016/j.foodchem.2017.04.067> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Impact of ball-milling of carbide-derived carbons on the generation of hydrogen peroxide via electroreduction of oxygen in alkaline media**

Palm, Iris; Kibena-Pöldsepp, Elo; Lilloja, Jaana; **Paiste, Päärn** Journal of electroanalytical chemistry 2020 / art. 114690 <https://doi.org/10.1016/j.jelechem.2020.114690> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Implementing greening into design in analytical chemistry**

**Jurjeva, Jelena**; Koel, Mihkel Talanta open 2022 / art. 100136, 7 p <https://doi.org/10.1016/j.talo.2022.100136> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **In situ determination of illegal drugs in oral fluid by portable capillary electrophoresis with deep UV excited fluorescence detection**

**Saar-Reismaa, Piret**; Erme, Enn; **Vaher, Merike**; Kulp, Maria; Kaljurand, Mihkel; Mazina-Šinkar, Jekaterina Analytical chemistry

2018 / p. 6253-6258 : ill <https://doi.org/10.1021/acs.analchem.8b00911> 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

#### **Inkjet-printed hybrid conducting polymer-activated carbon aerogel linear actuators driven in an organic electrolyte**

**Põldsalu, Inga; Harjo, Madis; Tamm, Tarmo; Uibu, Mai; Peikola, Anna-Liisa; Kiefer, Rudolf** Sensors and actuators B : chemical

2017 / p. 44-51 : ill <https://doi.org/10.1016/j.snb.2017.04.138> 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

#### **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

#### **Investigation of the evolution of sulphur during the thermal degradation of different oil shales**

**Maaten, Birgit; Loo, Lauri; Konist, Alar; Pihu, Tõnu; Siirde, Andres** Journal of analytical and applied pyrolysis 2017 / p. 405-411 :

ill <https://doi.org/10.1016/j.jaap.2017.09.007> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

#### **Investigation of the surfactant type and concentration effect on the retention factors of glutathione and its analogues by micellar electrokinetic chromatography**

**Kazarjan, Jana; Mahlapuu, Riina; Hansen, Mats; Soomets, Uusel; Kaljurand, Mihkel; Vaher, Merike** Journal of separation science

2015 / p. 3461-3468 : ill <https://doi.org/10.1002/jssc.201500567> 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

#### **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

#### **Magnetoplasmonic waves/HOMO-LUMO free $\pi$ -electron transitions coupling in organic macrocycles and their effect in sensing applications**

**Manera, Maria Grazia; Giancane, Gabriele; Borovkov, Victor** Chemosensors 2021 / art. 272

<https://doi.org/10.3390/chemosensors9100272> 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

#### **Methylphosphonic acid as a $^{31}\text{P}$ -NMR standard for the quantitative determination of phosphorus in carbonated beverages**

**Kõllo, Marek; Kudrjašova, Marina; Kulp, Maria; Aav, Riina** Analytical methods 2013 / p. 4005-4009 : ill

<https://doi.org/10.1039/c3ay40743h> 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

#### **MIP-based electrochemical sensor for direct detection of hepatitis C virus via E2 envelope protein**

**Antipchik, Mariia; Reut, Jekaterina; Ayankojo, Akinrinade George; Õpik, Andres; Sõritski, Vitali** Talanta 2022 / art. 123737

<https://doi.org/10.1016/j.talanta.2022.123737> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Mixed oxime-functionalized IL/16-s-16 Gemini surfactants system: physicochemical study and structural transitions in the presence of promethazine as a potential chiral pollutant**

Pandya, Subhashree Jayesh; Kapitanov, Illia; Borovkov, Victor; Ghosh, Kallol K.; Karpichev, Yevgen Chemosensors 2022 / art. 46 <https://doi.org/10.3390/chemosensors10020046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Molecularly imprinted co-polymer for class-selective electrochemical detection of macrolide antibiotics in aqueous media**

Nguyen, Vu Bao Chau; Ayankojo, Akinrinade George; Reut, Jekaterina; Rappich, Jörg; Furchner, Andreas; Hinrichs, Karsten; Söritski, Vitali Sensors and actuators B : chemical 2023 / art. 132768, 9 p. : ill <https://doi.org/10.1016/j.snb.2022.132768> [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](#)

**Molecularly imprinted polymer integrated with a Surface Acoustic Wave technique for detection of sulfamethizole**

Ayankojo, Akinrinade George; Tretjakov, Aleksei; Reut, Jekaterina; Boroznjak, Roman; Öpik, Andres; Rappich, Jörg; Furchner, Andreas; Hinrichs, Karsten; Söritski, Vitali Analytical chemistry 2016 / p. 1476-1484 : ill <https://doi.org/10.1021/acs.analchem.5b04735> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Molecularly imprinted polymer-based sensor for electrochemical detection of erythromycin**

Ayankojo, Akinrinade George; Reut, Jekaterina; Ciocan, Valeriu; Öpik, Andres; Söritski, Vitali Talanta 2020 / art. 120502, 9 p. : ill <https://doi.org/10.1016/j.talanta.2019.120502> [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](#)

**New developments in separation science will help to contribute to the democratisation of analytical chemistry**

Kaljurand, Mihkel; Ružicka, Martin; Gorbatošova, Jelena; Mazina-Šinkar, Jekaterina Microchemical journal 2023 / Art. 109443 <https://doi.org/10.1016/j.microc.2023.109443> [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](#)

**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](#)

**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](#)

**Oxidation of aqueous p-Nitroaniline by pulsed corona discharge**  
Jayachandrabal, Balachandramohan; Tikker, Priit; Preis, Sergei Separation and Purification Technology 2022 / Art. nr. 121473 <https://doi.org/10.1016/j.seppur.2022.121473> [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](#)

**Performance evaluation of cement mortar and concrete with incorporated micro fillers obtained by collision milling in disintegrator**  
Bumanis, Girts; Bajare, Diana; Goljandin, Dmitri Ceramics-silikáty 2017 / p. 231-243 : ill <https://doi.org/10.13168/cs.2017.0021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Physicochemical Properties Predict Retention of Antibiotics in Water-in-Oil Droplets**  
Ruszczak, Artur; Jankowski, Pawel; Vasantham, Shreyas K.; Scheler, Ott; Garstecki, Piotr Analytical chemistry 2023 / p. 1574-1581 : ill <https://doi.org/10.1021/acs.analchem.2c04644> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Phytochemical screening and antioxidant activity of selected Estonian Galium species**  
Laanet, Pille-Riin; Saar-Reismaa, Piret; Jõul, Piia; Bragina, Olga; Vaher, Merike Molecules 2023 / art. 2867 <https://doi.org/10.3390/molecules28062867> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Portable automated handheld sample collection-preparation instrument for airborne volatile substances**  
Bimbiraite-Surviliene, Kristina; Drevinskas, Tomas; Maruska, Audrius; Komysova, Olga; Gorbatšova, Jelena; Ihara, Hirotaka; Kaljurand, Mihkel Microchemical journal 2020 / art. 105576 <https://doi.org/10.1016/j.microc.2020.105576> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Portable capillary electrophoresis as a green analytical technology**  
Kaljurand, Mihkel; Mazina-Šinkar, Jekaterina TrAC Trends in Analytical Chemistry 2022 / art. 116811 <https://doi.org/10.1016/j.trac.2022.116811> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Portable fully automated oral fluid extraction device for illegal drugs**  
Ružicka, Martin; Kaljurand, Mihkel; Gorbatšova, Jelena; Vaher, Merike; Mazina-Šinkar, Jekaterina Talanta 2022 / art. 123389 <https://doi.org/10.1016/j.talanta.2022.123389> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Predicting fuel properties using chemometrics : a review and an extension to temperature dependent physical properties by using infrared spectroscopy to predict density**  
Baird, Zachariah Steven; Oja, Vahur Chemometrics and intelligent laboratory systems 2016 / p. 41-47 : ill <https://doi.org/10.1016/j.chemolab.2016.08.004> [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](#)

**Rapid and sensitive capillary electrophoresis method for the analysis of Ecstasy in an oral fluid**  
Saar-Reismaa, Piret; Tretjakova, Anastassia; Mazina-Šinkar, Jekaterina; Vaher, Merike; Kaljurand, Mihkel; Kulp, Maria Talanta 2019 / p. 390-396 : ill <https://doi.org/10.1016/j.talanta.2019.01.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Rapid capillary electrophoresis method with LED-induced native fluorescence detection for the analysis of cannabinoids in oral fluid**

**Mazina, Jekaterina; Špiljova, Anastassija; Vaher, Merike; Kaljurand, Mihkel; Kulp, Maria** Analytical methods 2015 / p. 7741-7747 : ill <https://doi.org/10.1039/c5ay01595b> [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](#)

**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](#)

**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](#)

**Relations between metal ion characteristics and adsorption performance of graphene oxide: A comprehensive experimental and theoretical study**

Kong, Qiaoping; **Preis, Sergei**; Li, Leli; Luo, Pei; Wei, Cong; Li, Zemin; Hu, Yun; Wei, Chaohai Separation and purification technology 2020 / art. 115956 ; 8 p. : ill <https://doi.org/10.1016/j.seppur.2019.115956> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Revisiting the vibrational spectrum of formic acid anhydride**

Myllys, Nanna; Osadchuk, Irina; Lundell, Jan Journal of molecular structure 2024 / art. 137643 <https://doi.org/10.1016/j.molstruc.2024.137643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Richard Compton: Thought leader, educator and Bon Vivreur**

Eklund, John; **Nei, Lembit** Journal of electroanalytical chemistry 2020 / art. 114279, p. 1–3 <https://doi.org/10.1016/j.jelechem.2020.114279> [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; **Kõrbe 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](#)

**Self-assembly of chiral cyclohexanohemicucurbit[n]urils with bis(Zn porphyrin): size, shape, and time-dependent binding**

**Šakarašvili, Marko; Ustrnul, Lukas; Suut, Elina; Nallaparaju, Jagadeesh Varma; Mishra, Kamini Atindrakumar; Konrad, Nele**; Adamson, Jasper; **Borovkov, Victor; Aav, Riina** Molecules 2022 / art. 937, 13 p. : ill <https://doi.org/10.3390/molecules27030937> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sensor-location-specific joint acquisition of peripheral artery bioimpedance and photoplethysmogram for wearable applications**

**Metshein, Margus; Abdullayev, Anar**; Gautier, Antoine; Larras, Benoit; Frappe, Antoine; Cardiff, Barry; **Annus, Paul; Land, Raul; Märten, Olev** Sensors 2023 / art. 7111 <https://doi.org/10.3390/s23167111> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sensory and chemical profiles of Finnish honeys of different botanical origins and consumer preferences**

Kortesniemi, Maaria; Rosensvald, Sirlu; Laaksonen, Oskar; Vanag, Anita; Ollikka, Tarja; **Vene, Kristel**; Yang, Baoru Food chemistry 2018 / p. 351-359 : ill <https://doi.org/10.1016/j.foodchem.2017.10.069> [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, Urel; **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](#)

**Separation of perfluoroalkyl substances by using nonaqueous capillary electrophoresis with conductivity detection**

**Lees, Heidi; Jõul, Piia; Siilak, Kristel; Vaher, Merike** Separation science plus 2020 / p. 313-320 <https://doi.org/10.1002/sscp.202000016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Simple multispectral imaging approach for determining the transfer of explosive residues in consecutive fingerprints**

Lees, Heidi; Zapata, Félix; Vaher, Merike; García-Ruiz, Carmen Talanta 2018 / p. 437-445 : ill

<https://doi.org/10.1016/j.talanta.2018.02.079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Simultaneous determination of  $\gamma$ -hydroxybutyric acid, ibotenic acid and psilocybin in saliva samples by capillary electrophoresis coupled with a contactless conductivity detector**

Saar-Reismaa, Piret; Kulp, Maria; Vaher, Merike; Kaljurand, Mihkel; Mazina-Šinkar, Jekaterina Analytical methods 2017 / p.

3128-3133 : ill <https://doi.org/10.1039/C7AY00742F> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Surface molecularly imprinted polydopamine films for recognition of immunoglobulin G**

Tretjakov, Aleksei; Šöritski, Vitali; Reut, Jekaterina; Boroznjak, Roman; Volobujeva, Olga; Öpik, Andres Microchimica acta

2013 / p. 1433-1442 : ill <https://doi.org/10.1007/s00604-013-1039-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A survey on UAV computing platforms : a hardware reliability perspective**

Ahmed, Foisal; Jenihhin, Maksim Sensors 2022 / art. 6286 <https://doi.org/10.3390/s22166286> [Journal metrics at Scopus](#) [Article at](#)

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

**Sustainable phenylalanine-derived sails for solubilization of polycyclic aromatic hydrocarbons**

Kapitanov, Illia; Sudheer, Surya; Yadav, Toshikee; Ghosh, Kallol K.; Gathergood, Nicholas; Gupta, Vijai Kumar; Karpichev,

Yevgen Molecules 2023 / art. 4185 : ill <https://doi.org/10.3390/molecules28104185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Synergy in co-pyrolysis of oil shale and pine sawdust in autoclaves**

Johannes, Ille; Tiikma, Laine; Luik, Hans Journal of analytical and applied pyrolysis 2013 / 341-352 : ill

<https://doi.org/10.1016/j.jaap.2013.06.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Synergy in the hydrothermal pyrolysis of oil shale/sawdust blends**

Tiikma, Laine; Johannes, Ille; Luik, Hans; Gregor, Andre Journal of Analytical and Applied Pyrolysis 2016 / p. 247 - 256

<https://doi.org/10.1016/j.jaap.2015.11.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Synthesis and hydrodynamic and conformation properties of star-shaped polystyrene with calix[8]arene core**

Simonova, Maria; Tarasova, Elvira; Dudkina, Marina International journal of polymer analysis and characterization 2019 / p. 87-95 : ill

<https://doi.org/10.1080/1023666X.2018.1555894> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Doyle, Eva; Parve, Jaan; Kudrjašova, Marina; Tamp, Sven; Müürisepp, Aleksander-Mati; Villo, Ly; Vares, Lauri; Pehk, Tõnis;

Parve, Omar Chirality 2013 / p. 793-798 : ill <https://doi.org/10.1002/chir.22217> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A systematic review of cutting-edge radar technologies : applications for unmanned ground vehicles (UGVs)**

Ersü, Can; Petlenkov, Eduard; Janson, Karl Sensors 2024 / art. 7807 <https://doi.org/10.3390/s24237807> [Journal metrics at Scopus](#)

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

**Systematic review of fault tolerant techniques in underwater sensor networks**

Vihman, Lauri; Kruusmaa, Maarja; Raik, Jaan Sensors 2021 / art. 3264 <https://doi.org/10.3390/s21093264> [Journal metrics at Scopus](#)

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

**The impact of the natural level of blood biochemicals on electroencephalographic markers in healthy people**

Päeske, Laura; Hinrikus, Hiie; Lass, Jaanus; Pöld, Toomas; Bachmann, Maie Sensors 2024 / art. 7438

<https://doi.org/10.3390/s24237438> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The use of anhydrous barium hydroxide for selective alkylation of dialkyloxy-tert-butyl-calix[4]arenes**

Yesypenko, Oleksandr A.; Trybrat, Oleksandr O.; Kalchenko, Vitaly I. Molecules 2023 / art. 1089, 10 p. : ill

<https://doi.org/10.3390/molecules28031089> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Thiourea organocatalysts as emerging chiral pollutants : en route to porphyrin-based (chir)optical sensing**

Konrad, Nele; Horetski, Matvey; Sihtmäe, Mariliis; Osadchuk, Irina; Senge, Mathias O.; Borovkov, Victor; Aav, Riina;

Kananovich, Dzmitry Chemosensors 2021 / art. 278 <https://doi.org/10.3390/chemosensors9100278> [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](#)

### **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](#)

### **Ultra-sensitive voltammetric simultaneous determination of dopamine, uric acid and ascorbic acid based on a graphene-coated alumina electrode**

**Taleb, Masoud; Ivanov, Roman; Bereznev, Sergei;** Kazemi, Sayed Habib; **Hussainova, Irina** Microchimica acta 2017 / p. 4603-4610 : ill <https://doi.org/10.1007/s00604-017-2510-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Use of a newly-developed portable capillary electrophoresis analyser to detect drugs of abuse in oral fluid: A case study**

**Saar-Reismaa, Piret;** Brilla, Chelsa-Ann; **Leiman, Kristiina; Kaljurand, Mihkel; Vaher, Merike; Kulp, Maria; Mazina-Šinkar, Jekaterina** Talanta 2020 / art. 120662, 9 p <https://doi.org/10.1016/j.talanta.2019.120662> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **User experience during an immersive virtual reality-based cognitive task : a comparison between Estonian and Italian older adults with MCI**

Mondellini, Marta; Arlati, Sara; Gapeyeva, Helena; Lees, Kairi; Märitz, Ingrid; **Pizzagalli, Simone Luca; Otto, Tauno;** Sacco, Marco; Teder-Braschinsky, Anneli Sensors 2022 / art. 8249 <https://doi.org/10.3390/s22218249> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **User-friendly analysis of droplet array images**

**Sanka, Immanuel; Bartkova, Simona; Pata, Pille;** Ernits, Mart; Meinberg, Monika Merje; Agu, Natali; Aruoja, Villem; **Smolander, Olli-Pekka; Scheler, Ott** Analytica chimica acta 2023 / art. 341397 <https://doi.org/10.1016/j.aca.2023.341397> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Validation of wired and wireless interconnected body sensor networks**

Talpur, Anum; Shaikh, Faisal Karim; Baloch, Natasha; Felemban, Emad; Khelil, Abdelmajid; **Alam, Muhammad Mahtab** Sensors 2019 / art. 3697, 23 p. : ill <https://doi.org/10.3390/s19173697> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Valorization of Baltic Sea farmed blue mussels: Chemical profiling and prebiotic potential for nutraceutical and functional food development**

**Adler, Indrek; Kotta, Jonne;** Robal, Marju; Humayun, Sanjida; **Vene, Kristel;** Tuvikene, Rando Food Chemistry: X 2024 / art. 101736, 14 p. <https://doi.org/10.1016/j.fochx.2024.101736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Vinyl phosphonates as photopharmacological agents : laser-induced cis-trans isomerization and butyrylcholinesterase activity**

Bikbaeva, Gulia; Egorova, Anastasia; Sonin, Nikolai; Pilip, Anna; Kolesnikov, Ilya; Pankin, Dmitrii; **Boroznjak, Roman;** Manshina, Alina ChemPhotoChem 2023 / art. e202300131 <https://doi.org/10.1002/cptc.202300131> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)