

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](#)

Author Correction: Butler enables rapid cloud-based analysis of thousands of human genomes (Nature Biotechnology, (2020), 38, 3, (288-292), 10.1038/s41587-019-0360-3)

Yakneen, Sergei; Waszak, Sebastian M.; Aminou, Brice; Bartolome, Javier; Boroevich, Keith A.; Boyce, Rich; Brooks, Angela N.; Buchanan, Alex; Buchhalter, Ivo; Butler, Adam P.; Byrne, Niall J.; Cafferkey, Andy; **Uusküla-Reimand, Liis** Author Correction: Butler enables rapid cloud-based analysis of thousands of human genomes (Nature Biotechnology, (2020), 38, 3, (288-292), 10.1038/s41587-019-0360-3) 2023 / p. 577 <https://doi.org/10.1038/s41587-022-01554-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Bioinspired whisker sensor for 3D mapping of underground mining environments

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

Capillary electrophoresis as a monitoring tool for flow composition determination

Kaljurand, Mihkel; **Saar-Reismaa, Piret**; **Vaher, Merike**; **Gorbatšova, Jelena**; **Mazina-Šinkar, Jekaterina** *Molecules* 2021 / art. 4918, 12 p. : ill <https://doi.org/10.3390/molecules26164918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Kruusmaa, Maarja; Rieucan, Guillaume; Castillo Montoya, Jose Carlos; **Markna, Riho**; Handegard, Nils Olav *Bioinspiration & biomimetics* 2016 / p. 1-12 : ill <https://doi.org/10.1088/1748-3190/11/5/056020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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 Functional Composite Cu(II)-Polyoxometalate/PLA with Antimicrobial Properties

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

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

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

Editorial : regulatory networks in genome stability pathways

Ashton, Nicholas W.; Prakash, Aishwarya; **Moiseeva, Tatiana** *Frontiers in Genetics* 2023 / art. 1171136 <https://doi.org/10.3389/fgene.2023.1171136> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Effect of the titanium isopropoxide : acetylacetone molar ratio on the photocatalytic activity of TiO₂ 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](#)

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](#)

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

Guarino, Francesco; Ciatelli, Angela; Castiglione, Stefano; Agius, Dolores R.; Orhun, Gul Ebru; Fragkostefanakis, Sotirios; Leclercq, Julie; Dobranszki, Judit; Sömera, Merike; Sarmiento Guerin, Maria Cecilia *Frontiers in Genetics* 2022 / art. 818727 <https://doi.org/10.3389/fgene.2022.818727> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of Zn²⁺- and Cu²⁺-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](#)

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

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

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](#)

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

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

Male infertility: Decreased levels of selenium, zinc and antioxidants

Türk, Silver; Mändar, Reet; Mahlapuu, Riina; Viitak, Anu; Punab, Margus; Kullisaar, Tiit *Journal of trace elements in medicine and biology* 2014 / p. 179-185 <https://doi.org/10.1016/j.jtemb.2013.12.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Metal ratios as possible biomarkers for amyotrophic lateral sclerosis

Koski, Lassi; Berntsson, Elina; Vikström, Max; Wärmländer, Sebastian K.T.S.; Roos, Per M. *Journal of trace elements in medicine and biology* 2023 / art. 127163, 8 p. : ill <https://doi.org/10.1016/j.jtemb.2023.127163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of a biologically inspired robotic fish driven by compliant parts

EL Daou, Hadi; Salumäe, Taavi; Chambers, Lily D.; McGill, William M.; Kruusmaa, Maarja *Bioinspiration & biomimetics* 2014 / p. 1-11 : ill <https://doi.org/10.1088/1748-3182/9/1/016010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oviduct as a sensor of embryo quality: deciphering the extracellular vesicle (EV)-mediated embryo-maternal dialogue

Dissanayake, Keerthie; Nömm, Monika; Lättekivi, Freddy; Ord, James; Ressaissi, Yosra; Godakumara, Kasun; Viil, Janeli; Jääger, Kersti; Velthut-Meikas, Agne; Salumets, Andres *Journal of molecular medicine* 2021 / p. 685–697 : ill <https://doi.org/10.1007/s00109-021-02042-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phylogenetic insight into ABCE gene subfamily in plants

Jakobson, Liina; Möttus, Jelena; Suurväli, Jaanus; Sömera, Merike; Tarassova, Jemilia; Nigul, Lenne; Smolander, Olli-Pekka Aukusti; Sarmiento Guerin, Maria Cecilia *Frontiers in Genetics* 2024 / art. 1408665 <https://doi.org/10.3389/fgene.2024.1408665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phytochemical screening and antioxidant activity of selected Estonian Galium species

Laanet, Pille-Riin; Saar-Reismaa, Piret; Jõul, Piia; Bragina, Olga; Vaher, Merike *Molecules* 2023 / art. 2867

<https://doi.org/10.3390/molecules28062867> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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

Raheem, Ansheed A.; Hameed, Pearl; Prashanth, Konda Gokuldoss; Manivasagam, Geetha *Biomimetics* 2021 / art. 65 <https://doi.org/10.3390/biomimetics6040065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Robotic feet modeled after ungulates improve locomotion on soft wet grounds

Godon, Simon Pierre; Ristolainen, Asko; Kruusmaa, Maarja *Bioinspiration and biomimetics* 2024 / art. 066009, 12 p. : ill <https://doi.org/10.1088/1748-3190/ad839c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Self-motion effects on hydrodynamic pressure sensing : Part I. Forward-backward motion

Akanyeti, Otari; Ježov, Jaas; Kruusmaa, Maarja *Bioinspiration & biomimetics* 2013 / p. 1-10 : ill <https://doi.org/10.1088/1748-3182/8/2/026001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Subchronic oral and inhalation toxicities : a challenging attempt for modeling and prediction

Dobchev, Dimitar A.; Tulp, Indrek; Karelson, Gunnar; Tamm, Tarmo; Tamm, Kaido; Karelson, Mati *Molecular informatics* 2013 / p. 793-801 : ill <https://doi.org/10.1002/minf.201300033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Tau PET correlates with different Alzheimer's disease-related features compared to CSF and plasma p-tau biomarkers

Ossenkoppele, Rik; Reimand, Juhan; Smith, Ruben; Leuzy, Antoine; Strandberg, Olof; Palmqvist, Sebastian; Stomrud, Erik; Zetterberg, Henrik *EMBO Molecular Medicine* 2021 / art. e14398 <https://doi.org/10.15252/emmm.202114398> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The birth prevalence of spinal muscular atrophy: a population specific approach in Estonia

Sarv, Siiri; Kahre, Tiina; Vaidla, Eve; Pajusalu, Sander; Muru, Kai; Põder, Haide; Gross-Paju, Katrin; Ütt, Sandra; Žordania, Riina; Talvik, Inga *Frontiers in genetics* 2021 / art. 796862 <https://doi.org/10.3389/fgene.2021.796862> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The 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](#)

Topological fingerprints as an aid in finding structural patterns for LRRK2 inhibition

Kahn, Iiris; Lomaka, Andre; Karelson, Mati *Molecular informatics* 2014 / p. 269-275 : ill <https://doi.org/10.1002/minf.201300057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)