

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](#)

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](#)

Anticancer Effect of the Iridoid Glycoside Fraction from Dipsacus fullonum L. Leaves

Kuhtinskaja, Maria; **Bragina, Olga**; **Kulp, Maria**; **Vaher, Merike** Natural product communications 2020 / p. 1-6
<https://doi.org/10.1177/1934578X20951417> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at Scopus](#) [Article at WOS](#)

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

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

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

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

Biological nanofactories : using living forms for metal nanoparticle synthesis

Srivastava, Shilpi; **Usmani, Zeba**; Atanasov, Atanas G.; Singh, Vinod Kumar; Singh, Nagendra Pratap; Abdel-Azeem, Ahmed M.
Mini-Reviews in Medicinal Chemistry 2021 / p. 245 - 265 <https://doi.org/10.2174/1389557520999201116163012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Ben Moussa, Sana; Lachheb, Jalel; Gruselle, Michel; **Maaten, Birgit**; **Kriis, Kadri**; **Kanger, Tõnis**; **Tõnsuaadu, Kaia**; Badraoui, Bechir Tetrahedron 2017 / p. 6542-6548 : ill <https://doi.org/10.1016/j.tet.2017.09.051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Chemical Composition and Antibacterial Effect of Mentha spp. Grown in Estonia

Kapp, Karmen; Püssa, Tõnu; **Orav, Anne**; Roasto, Mati; Raal, Ain; Vuorela, Pia; Vuorela, Heikki; Tammela, Päivi Natural product communications 2020 / 14 p <https://doi.org/10.1177/1934578X20977615> [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](#)

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](#)

Eicosanoid diversity of stony corals

Lõhelaid, Helike; Samel, Nigulas Marine drugs 2018 / p. 1-14 : ill <https://doi.org/10.3390/md16010010> [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](#)

Enantioselective cyclopropanation of carboxylic esters with alkyl magnesium bromides in the presence of titanium(IV) (4R,5R)-TADDOLates

Konik, Yulia A.; Kananovich, Dzmitry; Kulinkovich, Oleg Tetrahedron 2013 / p. 6673-6678 : ill <https://doi.org/10.1016/j.tet.2013.05.118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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; Vahe, 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](#)

Have artificial neural networks met expectations in drug discovery as implemented in QSAR framework?

Dobchev, Dimitar; Karelson, Mati Expert Opinion on Drug Discovery 2016 / p. 627 - 639 <https://doi.org/10.1080/17460441.2016.1186876> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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](#)

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

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

Identification 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](#)

In silico machine learning methods in drug development

Dobchev, Dimitar Atanasov; Pillai, Girinath Gopinathan; Karelson, Mati Current topics in medicinal chemistry 2014 / p. 1913-1922 <https://doi.org/10.2174/1568026614666140929124203> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indole-like Trk receptor antagonists

Tammiku-Taul, Jaana; Park, Rahel; Jaanson, Kaur; Luberg, Kristi; Dobchev, Dimitar Atanasov; Kananovich, Dzmitry; Noole, Artur; Mandel, Merle; Kaasik, Allen; Lopp, Margus; Timmusk, Tõnis; Karelson, Mati European journal of medicinal chemistry 2016 / p. 541-552 : ill <https://doi.org/10.1016/j.ejmech.2016.06.003> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The mechanisms of actions of aldosterone and its antagonists in cardiovascular disease

Pantelidis, Panteleimon; Sideris, Michail; Viigimaa, Margus; Avranas, Konstantinos; Deligkaris, Pavlos; Zografou, Ioanna; Lovic, Dragan Current Pharmaceutical Design 2018 / p. 5491 - 5499 <https://doi.org/10.2174/1381612825666190215100502> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mint flavorings from candies inhibit the infectivity of Chlamydia pneumoniae

Hanski, Leena L.; Kapp, Karmen; Tirola, Terttu M.; Orav, Anne; Vuorela, Heikki; Püssa, Tõnu; Vuorela, Pia Natural Product Communications 2016 / p. 1725 - 1728 <https://doi.org/10.1177/1934578x1601101125> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

New horizons in the pathogenesis, pathophysiology and treatment of familial hypercholesterolaemia

Viigimaa, Margus; Heinsar, Silver; Lovic, Dragan; Katsimardou, Alexandra; Piperidou, Alexia; Duishvili, Davit Current pharmaceutical design 2018 / p. 3599-3604 <https://doi.org/10.2174/1381612824666181009105305> 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

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

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

Selective C-alkylation of substituted naphthols under non-aqueous conditions

Kooli, Anni; Shalima, Tatsiana; Lopusanskaja, Eleana; Paju, Anne; Lopp, Margus Tetrahedron 2021 / art. 132278, 8 p. : ill <https://doi.org/10.1016/j.tet.2021.132278> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Self-assembly of chiral 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-reproduction and doubling time limits of different cellular subsystems

Abner, Kristo; Šverns, Peter; Arold, Janar; Morell, Indrek; Lints, Taivo; Medri, Sander; Seiman, Andrus; Adamberg, Kaarel; Vilu, Raivo npj systems biology and applications 2023 / art. 44, 10 p. : ill <https://doi.org/10.1038/s41540-023-00306-4> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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

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](#)

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](#)

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](#)

3-Alkyl-1,2-cyclopentanediones by Negishi cross-coupling of a 3-bromo-1,2-cyclopentanedione silyl enol ether with alkylzinc reagents : an approach to 2-substituted carboxylic acid γ -lactones, homocitric and lycoperdic acids

Paju, Anne; **Kostomarov, Diana**; **Matkevits, Katharina**; **Laos, Marit**; Pehk, Tõnis; **Kanger, Tõnis**; **Lopp, Margus** Tetrahedron 2015 / p. 9313-9320 : ill <https://doi.org/10.1016/j.tet.2015.10.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Towards ortho-selective electrophilic substitution/addition to phenolates in anhydrous solvents

Lopušanskaja, Eleana; **Kooli, Anni**; **Paju, Anne**; **Järving, Ivar**; **Lopp, Margus** Tetrahedron 2021 / art. 131935, 9 p <https://doi.org/10.1016/j.tet.2021.131935> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Towards the total synthesis of 9,11-secoesterol: Linking A,B- and D-rings with Michael addition to sulfone-activated cyclopentenone

Kõllo, Marek; **Rõuk, Kristi**; **Järving, Ivar**; Pehk, Tõnis; **Lopp, Margus** Tetrahedron 2023 / art. 133363 : ill <https://doi.org/10.1016/j.tet.2023.133363> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)