

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](#)

Adsorption of neopentane on Pt(111) and its hydrogenolysis

Laane, Kaie; Tamm, Toomas XIth International Congress of Quantum Chemistry : July 20-26, 2003, Germany : program and abstracts 2003 / p. C44

Adsorption of pyrene on solid particles

Kirso, Uuve; Irha, N.; Teinemaa, E. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 56

Adsorption properties of wheat straw, reed and douglas fir chars

Külaots, Indrek; Link, Siim; Arvelakis, Stelios International Carbon 2010 conference : July 11th to July 16th, Clemson, SC, USA 2010

Adsorptsiooni termodünaamika kui tahkete materjalide omaduste peegeldus = Thermodynamics of adsorption - an expression of properties of solid materials

Mölder, Leevi XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 127-128 https://www.ester.ee/record=b1070511*est

Analysis of sorption and bioavailability of different species of mercury on model soil components using XAS techniques and sensor bacteria

Bernaus, Anna; Gaona, Xavier; **Ivask, Angela; Kahru, Anne**; Valiente, Manuel Analytical and bioanalytical chemistry 2005 / 7, p. 1541-1548 : ill <https://pubmed.ncbi.nlm.nih.gov/15971043/>

Biogaasi puhastamine mootorikütuseks

Kask, Ülo; Soosaar, Sulev; Kask, Livia; Menert, Anne Eesti põlevloodusvarad ja -jätmed 2014 = Estonian combustible natural resources and wastes 2014 2014 / lk. 6-9 : fot

Characterization and enhancement of oil shale fly ash from CFB boiler

Pikkor, Heliis; Järvik, Oliver; Lees, Heidi; Konist, Alar; Siirde, Andres; Maaten, Birgit 6th International Conference on Smart and Sustainable Technologies, SpliTech 2021 2021 / p. 1-4 <https://doi.org/10.23919/SpliTech52315.2021.9566470>

Correction: Improving Pharmaceuticals Removal at Wastewater Treatment Plants Using Biochar: A Review (Waste and Biomass Valorization, (2023), 14, 8, (2433-2458), 10.1007/s12649-023-02070-2)

Akintola, Ayooluwa Tomiwa; **Ayankunle, Ayankoya Yemi** Waste and biomass valorization 2023 / p. 2459-2460
<https://doi.org/10.1007/s12649-023-02093-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dependence of the interaction mechanisms between L-serine and O-phospho-L-serine with calcium hydroxyapatite and copper modified hydroxyapatite in relation with the acidity of aqueous medium

Tõnsuaadu, Kaia; Gruselle, Michel; **Kriisa, Frieda; Triikkel, Andres** Journal of biological inorganic chemistry 2018 / p. 929-937 : ill
<https://doi.org/10.1007/s00775-018-1594-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Deviation of A2B6 compounds from stoichiometry : electroneutral defects or the adsorption of one component excess?

Lott, Kalju; Grebennik, Andrey; Dontsova, Aleksandra; **Raukas, Maie**; Vishnyakov, Anatoly Proceedings of the Estonian Academy of Sciences. Chemistry 1995 / 2/3, p. 114-117

Echo impulse method used to measure the adsorption on the ultrasounds in solids

Todoran, Radu; Blandu, Larisa; Todoran, Daniela Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 255-259: ill

Effect of fluid adsorption on strength and wear characteristics of parts

Üksti, Lembit OST-94 Symposium on Machine Design : proceedings, Tallinn, Estonia, April 14-15, 1994 1994 / p. 27-33: ill

Emeritprofessor: narkomaanid rikuivad vette sattunud ohtlike ainetega ka looduskeskkonda

Munter, Rein postimees.ee 2023 [Emeritprofessor: narkomaanid rikuivad vette sattunud ohtlike ainetega ka looduskeskkonda](#)

Enzyme adsorption and loss of activity in dilute solutions of chymosin and pepsin. Prevention with polyethylene glycol [milk products]

Friedenthal, Margus; Visser, S. Netherlands milk and dairy journal 1985 / p. 63-70

Facile preparation of nitrogen and sulfur co-doped graphene-based aerogel for simultaneous removal of Cd2+ and organic dyes

Kong, Qiaoping; Wei, Chaohai; **Preis, Sergei**; Hu, Yun; Wang, Feng Environmental science and pollution research 2018 / p. 21164-

21175 : ill <https://doi.org/10.1007/s11356-018-2195-8> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

GAC-adsorption of 5-methylresorcinol

Viirja, Andres; Joarand, Heiki; Kallas, Juha; Palosaari, Seppo Oil shale 1994 / 2, p. 107-115: ill

Gas-phase photocatalytic oxidation of mixtures of refractory organic compounds : through the net of process limitations

Kritševskaja, Marina; Moiseev, Anna; Preis, Sergei; Deubener, Joachim European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : conference program and book of abstracts 2015 / p. 127 : ill

Gas-phase photocatalytic oxidation of mixtures of refractory organic compounds : through the net of process limitations

Kritševskaja, Marina; Moiseev, Anna; Preis, Sergei; Deubener, Joachim European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : book of proceedings 2015 / [2] p. : ill

Graphene oxide-terminated hyperbranched amino polymer-carboxymethyl cellulose ternary nanocomposite for efficient removal of heavy metals from aqueous solutions

Kong, Qiaoping; Preis, Sergei; Li, Leli; Luo, Pei; Hua, Yun; Wei, Chao International journal of biological macromolecules 2020 / p. 581–592 : ill <https://doi.org/10.1016/j.ijbiomac.2020.01.185> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High temperature adsorption of sulphur dioxide

Kaljuvee, Tiit; Kuusik, Rein; Keemik, Vilbok; Heinrich Kemia-kemi 1990 / 10B, p. 993-994

Implementation of TiO₂ oxygen adsorption capacities for the evaluation of photocatalysts' activity in pollutants' oxidation

Kritševskaja, Marina; Moiseev, Anna; Klauson, Deniss; Pronina, Natalja European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : book of proceedings 2015 / [1] p. : ill

Implementation of TiO₂ oxygen adsorption capacities for the evaluation of photocatalysts' activity in pollutants' oxidation

Kritševskaja, Marina; Moiseev, Anna; Klauson, Deniss; Pronina, Natalja European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : conference program and book of abstracts 2015 / p. 148 : ill

Improving pharmaceuticals removal at wastewater treatment plants using biochar: a review

Akintola, Ayooluwa Tomiwa; Ayankunle, Ayankoya Yemi Waste and biomass valorization 2023 / p. 2433-2458

<https://doi.org/10.1007/s12649-023-02070-2> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of the adsorption and desorption of sulfur mustard degradation products in sediments by capillary electrophoresis [Online resource]

Lees, Heidi; Vaher, Merike; Kaljurand, Mihkel CECE 2016 : 13th International Interdisciplinary Meeting on Bioanalysis : October 17-19, 2016, Hotel Continental, Brno, Czech Republic : [proceedings] 2016 / p. 182-185 : ill http://www.ce-ce.org/CECE2016/Proceedings%20CECE%202016_WOS.pdf

Kinetic Modeling of Deep Oxidative Desulfurization over Functionalized UiO-66 from a Model Fuel Using Complex Reaction Theory

Barghi, Bijan; Möistlik, Tanel; Panov, Deniss; Raag, Anastassia; Järvik, Oliver; Niidu, Allan ACS Omega 2025 / p. 15947-15958 <https://doi.org/10.1021/acsomega.4c06722>

Ksüldiini sisaldava vee adsorptsiooni dünaamika täidiskolonnis

Reinik, Janek; Viirja, Andres; Kallas, Juha XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 113-114

Methods for purification of xylydine-polluted water

Reinik, Janek 2003 https://www.ester.ee/record=b1833095*est

Non-isothermal cup test for liquid and vapour conductivity curve calibration

Klõšeiko, Paul; Margus, Karl; Kalamees, Targo AIP conference proceedings 2023 / art. 020030 <https://doi.org/10.1063/5.0171189> Conference proceedings at Scopus Article at Scopus

Phase transformations in porous materials studied by in situ solid-state NMR spectroscopy and in situ X-ray diffraction

Paula, Carolin; Wisser, Dorothea; Rangus, Mojca; Vanatalu, Kalju; Oss, Andres; Org, Mai-Liis; Samoson, Ago; Hartmann, M. The journal of physical chemistry C 2020 / p. 19136–19145 : ill <https://doi.org/10.1021/acs.jpcc.0c05921> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Phenols to pores to adsorption : a potential route towards new methods for extracting value from shale oil side stream

Niidu, Allan Oil shale 2019 / p. 128–141 http://www.kirj.ee/public/oilshale_pdf/2019/issue_2S/OS-2019-2S-128-141.pdf

Physicochemical pre- and post-treatment of coking wastewater combined for energy recovery and reduced environmental risk

Li, Zemin; Wei, Tuo; Pan, Jiamin; Liang, Yitong; Ban, Zixin; Ke, Xiong; Kong, Qiaoping; Qiu, Guanglei; Hu, Yun; **Preis, Sergei**; Wei, Chaohai Journal of hazardous materials 2023 / art. 130802, 10 p. : ill <https://doi.org/10.1016/j.jhazmat.2023.130802> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Post-treatment of pulp and industry wastewaters using oxidation and adsorption processes

Kallas, Juha; Munter, Rein Water science technology 1994 / 5/6, p. 259-272: ill

Posttreatment of pulp and paper industry wastewaters using oxidation and adsorption processes

Munter, Rein; Kallas, Juha Proceedings of the 4-th TAWO Symposium on Forest Industry Wastewaters, June 8-11, 1993, Tampere, Finland 1993 / p. 15-16

Püreeeni adsorptsioon tahketel osakestel

Kirso, Uuve; Irha, N.; Teinemaa, E. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 50

Quantitative structure-activity relationships of environmentally relevant properties

Kahn, Iiris 2007

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](#)

Release of loads to biological step at biological P-N reduction using balancing of flow, adsorption or hypro-process in one step

Asmus, U.; **Mölder, Heino** 7th IAWQ International Conference on Design and Operation of Large Wastewater Treatment Plants, Technical University of Vienna, Vienna, Austria, August 27 to September 1, 1995 : proceedings. Vol. 2, Posters 1995 / p. 5-19: ill

Removal of heavy metals and total organic carbon from wastewater using powdered activated carbon

Lember, Erki; Pachel, Karin; Loigu, Enn Proceedings of the Estonian Academy of Sciences 2019 / p. 100–110 : ill <https://doi.org/10.3176/proc.2019.1.10> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-100-110.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reovee järelpuhastus

Haiba, Egge; Lember, Erki; Kängsepp, Pille; Taklai, Mart; Tõnisberg, Enn; Kõrgmaa, Vallo Reoveepuhastuse käsiraamat 2023 / lk. 435-482 <https://lifecleanest.ee/sites/cleanest/files/2023-10/>

Substituted apatites as sorbents for heavy metals

Peld, Merike 2005 https://www.ester.ee/record=b1994280*est

The detection of nerve agent degradation products in different soil fractions using capillary electrophoresis with contactless conductivity detection

Seiman, Andrus; Makarõtševa, Natalja; Vaher, Merike; Kaljurand, Mihkel Chemistry and ecology 2010 / Suppl., p. 145-155 : ill <https://www.tandfonline.com/doi/abs/10.1080/02757540.2010.497761>

The role of the polar surface and porosity in adsorption of organics by fly ash carbons

Külaots, Indrek; Gao, Y.M.; Hurt, R.H.; Suuberg, Eric M. American Chemical Society (ACS) preprints of Symposia. V. 43, No. 4, 216th ACS National Meeting, Boston MA, August 22-27, 1998 1998

Theoretical study of adsorption of neopentne on the Pt(111) surface

Laane, Kaie; Tamm, Toomas 11th International Conference on the Applications of Density Functional Theory in Chemistry and Physics 2005 / p. P249

Vees lahustunud orgaanilise aine eraldamine ja fraktsioneerimine adsorptsioon- ja eksklusioonkromatograafia abil

Lepane, Viia XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 71-72

Über Feuchtigkeit im Baumaterial

Saare, Erik [s.a.] / S. 439-455

Xylidine-polluted groundwater purification. Wet oxidation - wet air oxidation using granulated active carbon

Kallas, Juha; Reinik, Janek Scientific proceedings of Riga Technical University. Series: Material Science and Applied Chemistry 2002 / p. 208-215

Xylidini-polluted groundwater purification-wet air oxidation used granulated active carbon
Reinik, Janek 43th RTU Conference of Materials Science and Applied Chemistry 2002 / ? p

Адсорбционный хроматографический анализ сланцевого бензина вращающейся реторты
Ründal, Leho 1954 https://www.ester.ee/record=b1346456*est <https://digikogu.taltech.ee/et/Item/ab642fb8-97f0-4aec-b4d2-5fb10dd63dce>

Влияние адсорбционных процессов на электрофизические свойства поверхностных слоев диэлектрических материалов
Veimer, Vladimir; Roninson, Aleksander Электрофизические свойства полупроводниковых и диэлектрических материалов 1983 / с. 57-67 : ил https://www.ester.ee/record=b1291687*est <https://digikogu.taltech.ee/et/Item/9447de85-407e-426e-843d-2f0c98097f4e>

Исследование адсорбции амилалитических ферментов на ионитах. 1. Сравнение ионитов
Köstner, Ado; Pappel, Kaie Технология пищевых производств. 2 1971 / с. 33-41 : ил https://www.ester.ee/record=b1475923*est <https://digikogu.taltech.ee/et/Item/63f3c26f-8104-4e33-a10e-83512b7e2b87/>

Исследование адсорбции амилалитических ферментов на ионитах. 2. Кинетическая теория адсорбции
Köstner, Ado Технология пищевых производств. 2 1971 / с. 43-50 https://www.ester.ee/record=b1475923*est <https://digikogu.taltech.ee/et/Item/63f3c26f-8104-4e33-a10e-83512b7e2b87/>

Исследование адсорбции амилалитических ферментов на ионитах. 3. Адсорбция амилазы Asp. oryzae на катионите Амберлит CG-50/II
Pappel, Kaie; Köstner, Ado Технология пищевых производств. 2 1971 / с. 51-58 : илл https://www.ester.ee/record=b1475923*est <https://digikogu.taltech.ee/et/Item/63f3c26f-8104-4e33-a10e-83512b7e2b87/>

Исследование адсорбции амилалитических ферментов плесневых грибов на ионитах
Köstner, Ado; Kask, Karl; Pappel, Kaie Вопросы получения и применения ферментов : материалы эстонского республиканского совещания 2-4 апреля 1969 г. 1969 / с. 14-15 https://www.ester.ee/record=b1205702*est

К вопросу адсорбции в газохроматографической колонке
Mölder, Leevi; Metlitskaja, Olga Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1982 / 296-298 : илл https://www.ester.ee/record=b1264984*est

О роли адсорбционного понижения прочности в процессе эрозии в корродирующей среде
Üksti, Lembit Износ, усталость и коррозия металлов : сборник статей. 7 1975 / с. 87-92 : илл https://www.ester.ee/record=b2190702*est <https://digikogu.taltech.ee/et/Item/7b7b4d74-55e0-43cf-b22c-bd484ceb163f>