

Affinity of zinc and copper ions for insulin monomers

Gavrilova, Julia; Tõugu, Vello; Palumaa, Peep *Metallomics* 2014 / p. 1296-1300 : ill <https://doi.org/10.1039/c4mt00059e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aktiveeritud Zn-Cu katalüsaator - suurepärase vahend orgaanilises sünteesis

Mäeorg, Uno; Loodmaa, E.; Viirlaid, S XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 88-90

Atomic absorption photometry of excess Zn in ZnO

Lott, Kalju; Šinkarenko, Svetlana; Kirsanova, T.; Tünn, Leo; Gorohova, E.; Grebennik, A.; Vishnjakov, A. E-MRS Fall Meeting 2004. Symposium F 2004 / [1] p

Binding of zinc(II) and copper(II) to the full-length Alzheimer's amyloid-[beta] peptide

Tõugu, Vello; Karafin, Ann; Palumaa, Peep *Journal of neurochemistry* 2008 / p. 1249-1259 : ill <https://pubmed.ncbi.nlm.nih.gov/18289347/>

Biotests and biosensors in ecotoxicological risk assessment of field soils polluted with zinc, lead, and cadmium

Kahru, Anne; Ivask, Angela; Kasemets, Kaja; Põllumaa, Lee; Kurvet, Imbi; Francois, Matthieu; Dubourguier, Henri-Charles *Environmental toxicology and chemistry* 2005 / 11, p. 2973-2982

Chemical spray pyrolysis deposition of zinc sulfide thin films and zinc oxide nanostructured layers = Tsinksulfiidi õhukesed kiled ning tsinkoksiidi nanostruktuursed kihid keemilise pihustuspürolüüsi meetodil

Dedova, Tatjana 2007 <https://digi.lib.ttu.ee/i/?155> https://www.ester.ee/record=b2324660*est

Co, Ni, Cu and Zn concentration in hair of children of Estonia

Viitak, Anu Extended abstracts of the Symposium "Environmental Analyse" 1995 / p. 185-190: ill

Construction and use of specific luminescent recombinant bacterial sensors for the assessment of bioavailable fraction of cadmium, zinc, mercury and chromium in the soil

Ivask, Angela; Virta, Marko; Kahru, Anne *Soil biology and biochemistry* 2002 / p. 1439-1447

Corrosion of the plastic-coated sheet metal

Kallavus, Urve; Põldme, Meeme 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 48: ill

Effect of solution spray rate on the properties of chemically sprayed ZnO:In thin films

Kriisa, Merike; Krunk, Malle; Kärber, Erki; Kukk, Mart; Mikli, Valdek; Mere, Arvo *Journal of nanomaterials* 2013 / p. 1-9 : ill <https://doi.org/10.1155/2013/423632> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of Zn²⁺ ions and environmental conditions on the fibrillization of insulin = Zn²⁺ ionide ja keskkonnatingimuste mõju insuliini fibrillatsioonile

Noormägi, Andra 2018 <https://digi.lib.ttu.ee/i/?10378> https://www.ester.ee/record=b5148492*est

Energy levels determination of Zn(O,Se) thin films

Abdalla, Akram; Danilson, Mati; Mikli, Valdek; Bereznev, Sergei *Materials science in semiconductor processing* 2023 / art. 107137 <https://doi.org/10.1016/j.mssp.2022.107137> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Excess Zn in ZnO

Lott, Kalju; Šinkarenko, Svetlana; Kirsanova, T.; Tünn, Leo; Gorohova, E.; Grebennik, A.; Vishnjakov, A. *Physica status solidi (c)* 2004 / 9, p. 2237-2242 : ill

Interactions of Alzheimer's amyloid-β peptides with Zn(II) and Cu(II) ions = Alzheimeri amüloid-β peptiidide interaktsioonid Zn(II) ja Cu(II)ioonidega

Tiiman, Ann 2012 https://www.ester.ee/record=b2866174*est

Investigation of EXCESS Zn in ZnO

Lott, Kalju; Volobujeva, Olga; Raukas, Maie; Tünn, Leo; Grebennik, A.; Vishnjakov, A. 10th International Conference on Shallow-level Centers in Semiconductors : SLCS-10, Warsaw, Poland, July 24-27, 2002 : program & abstracts 2002 / p. 43 <https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.200306186>

Investigation of excess Zn in ZnO

Lott, Kalju; Volobujeva, Olga; Raukas, Maie; Tünn, Leo; Grebennik, A.; Vishnjakov, A. *Physica status solidi (c)* 2003 / 2, Proceedings 10th International Conference on Shallow Level Centers in Semiconductors (SLCS-10) : Warsaw, Poland, 24-27 July 2002, p. 622-625 : ill <https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.200306186>

Kaadmiimi, tsingi ja vase kloriidide tiokarbamiidsete ühendite termiline lagunemine

Krunk, Malle; Liiders, M.; Leskelä, T.; Niinistö, L. XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 67

Microstructural, mechanical, corrosion, and biological behavior of spark plasma sintered commercially pure zinc for biomedical applications

Yadav, Mayank Kumar; Shukla, Riddhi Hirenkumar; Praveenkumar, K.; Nilawar, Sagar; Perugu, Chandra Sekhar; Sellamuthu, Prabhukumar; Chatterjee, Kaushik; Suwas, Satyam; Jayaraj, Jayamani; **Prashanth, Konda Gokuldoss** Materials advances 2025 <https://doi.org/10.1039/D5MA00092K>

Multiple secondary interaction arrangement in the crystal structure of cis-dichlorobis(thiourea-S)-zinc(II)

Bombicz, Petra; Madarasz, Janos; **Krunk, Malle;** Niinistö, Lauri; Pokol, György Journal of coordination chemistry 2006 / [8] p <https://www.tandfonline.com/doi/full/10.1080/00958970600873604>

Mõnede CN ühendite pinakool-tüüpi kondensatsioon Zn-Cu paari juuresolekul

Loodmaa, E.; Kallas, K.; Mäeorg, S.; Mäeorg, U. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 67

Neuronal expression of zinc finger transcription factor REST/NRSF/XBR gene

Palm, Kaia; Belluardo, N.; **Metsis, Madis;** Timmusk, Tõnis Journal of neuroscience 1998 / p. 1280-1296

Neuronal specific splicing of zinc finger transcription factor REST/NRSF/XBR is widespread in neuroblastomas and conserved in human, rat and mouse

Palm, Kaia; **Metsis, Madis;** Timmusk, Tõnis Mol. brain res 1999 / p. 30-39 <https://www.sciencedirect.com/science/article/abs/pii/S0169328X99001965>

One-stage pulsed laser deposition of conductive zinc oxysulfide layers

Bereznev, Sergei; Kocharyan, Hrachya; **Maticiu, Natalia;** **Naidu, Revathi;** **Volobujeva, Olga;** Tverjanovich, Andrey; **Kois, Julia** Applied surface science 2017 / p. 722-727 : ill <https://doi.org/10.1016/j.apsusc.2017.07.078> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxygen electroreduction on Zinc and Dilithium phthalocyanine modified multiwalled carbon nanotubes in alkaline media

Türk, Karl-Kalev; Kaare, Kätlin; Kruusenberg, Ivar; Merisalu, Maido; Joost, Urmas; Matisen, Leonard; Sammelselg, Väino; Zagal, José H.; Tammeveski, Kaido Journal of the Electrochemical Society 2017 / p. H338-H344 : ill <https://iopscience.iop.org/article/10.1149/2.0821706jes/pdf>

Pinacol type condensation of some C

Loodmaa, E.; Kallas, K.; Mäeorg, S.; Mäeorg, U. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 76

Plastikkatega tsinkpleki korrosioon

Kallavus, Urve; Pöldme, Meeme XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 43: ill

Protein trafficking abnormalities in Drosophila tissues with impaired activity of the ZIP7 zinc transporter Catsup

Sasamura, Takeshi; **Groth, Casper;** Khanna, Mansi R.; Whitley, Michael; Fortini, Mark E. Development (Cambridge) 2013 / p. 3018 - 3027 <https://doi.org/10.1242/dev.088336> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quantitative electrospray ionization mass spectrometry of zinc finger oxidation : the reaction of XPA zinc finger with H2O2

Smirnova, Julia; Zhukova, Liliya; **Palumaa, Peep** Analytical biochemistry 2007 / 2, p. 226-231 : ill

Simultaneous sorption of Cd and Zn ions on synthetic apatites from aqueous solutions

Peld, Merike; Tõnsuaadu, Kaia; **Veiderma, Mihkel** Phosphorus research bulletin 1999 / Special issue: Proceedings of the Third International Symposium on Inorganic Phosphate Materials '99 : Villeneuve d'Ascq, France, September 14-16, 1999, p. 347-352: ill

Sorption and desorption of Cd²⁺ and Zn²⁺ ions in apatite-aqueous systems

Peld, Merike; Tõnsuaadu, Kaia; **Bender, Villem** Environmental science and technology 2004 / 21, p. 5626-5631 : ill

Substituted apatites as sorbents for heavy metals

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

Zinc nonstoichiometry in ZnO

Lott, Kalju; Šinkarenko, Svetlana; Kirsanova, T.; **Türn, Leo;** Gorohova, E.; Grebennik, A.; Vishnjakov, A. Solid state ionics 2004 / p. 29-33 : ill

Zinc non-stoichiometry in ZnO

Lott, Kalju; Šinkarenko, Svetlana; Kirsanova, T.; **Türn, Leo;** Gorohova, E.; Grebennik, A.; Vishnjakov, A. E-MRS Spring Meeting 2004 : May 24-28, 2004. Symposium K, Solid state ionics : high temperature vs. low temperature defect chemistry 2004 / p. [14]

ZnO nanorods via spray deposition of solutions containing zinc chloride and thiocarbamide

Dedova, Tatjana; Volobujeva, Olga; Klauson, Jelena; Mere, Arvo; Krunks, Malle Nanoscale research letters 2007 / p. 391-396 : ill <https://link.springer.com/article/10.1007/s11671-007-9072-6>

The effect of substrate microstructure on morphology of zinc coatings

Sepper, Sirli; Peetsalu, Priidu; Mikli, Valdek; Saarna, Mart Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 717-722 : ill

Tsingi ja vase rakulised funktsioonid ja roll Alzheimeri tõve patoloogias : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile

Palumaa, Peep Tallinna Tehnikaülikooli aastaraamat 2011 2012 / lk. 193-214 : ill

UVA-induced antimicrobial activity of ZnO/Ag nanocomposite covered surfaces

Visnapuu, Meeri; **Rosenberg, Merilin; Truska, Egle**; Nõmmiste, Ergo; Šutka, Andris; Kahru, Anne; Rähn, Mihkel; Vija, Heiki; Orupõld, Kaja; Kisand, Vambola; Ivask, Angela Colloids and Surfaces B: Biointerfaces 2018 / p. 222-232
<https://doi.org/10.1016/j.colsurfb.2018.05.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Võrevaheline tsink tsinkoksiidis

Lott, Kalju; Volobujeva, Olga; Raukas, Maie; Tümn, Leo; Grebennik, A.; Vishnjakov, A. XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 80

Дефектная структура некоторых халогенидов кадмия и цинка

Varvas, Jüri; Nirk, Tiit; Öpik, Andres; Lott, Kalju; Nõges, Märt; Tümn, Leo Третье Всесоюзное совещание по химии твердого тела : тезисы докладов 1981 / с. 10

Дефектообразование в халькогенидах цинка и кадмия

Altosaar, Mare; Krustok, Jüri; Kukk, Peeter-Enn; Mädasson, Jaan; Tomson, A.; **Erm, Ants** Термодинамика и материаловедение полупроводников : четвертая всесоюзная конференция, 1989 г. : тезисы докладов 1989 / с. 247

Интеракция ионов меди(II) и цинка(II) с вирусом X картофеля

Hõdrejäär, Ulrich; Hõdrejäär, Helvi Eesti NSV Teaduste Akadeemia toimetised. Bioloogia = Известия Академии наук Эстонской ССР. Биология = Proceedings of Academy of Sciences of the Estonian SSR. Biology 1983 / с. 196-199 : ил
https://www.ester.ee/record=b1249384*est

Исследование влияние примесей на некоторые свойства цинка сернистого и керамики на его основе

Kinžibalo, L.; **Lott, Kalju; Paat, Aadu** Сборник тезисов докладов 7-го всесоюзного совещания "Кристаллические оптические материалы" 1989 / с. 11-12

Нестехиометрический цинк в окиси цинка

Lott, Kalju; Volobujeva, Olga; Raukas, Maie; Tümn, Leo; Vishnjakov, A.; Grebennik, A. V Международная конференция "Прикладная оптика", 15-17 октября 2002 года, Санкт-Петербург, Россия : сборник трудов. Том 2, Оптические технологии и материалы 2002 / с. 54-58

О синтезе алкилфенолов методом алкилирования в присутствии ZnCl₂

Raudsepp, Hugo; Karolin, Kalju Сборник статей по химии и химической технологии. 17 1967 / с. 67-73
https://www.ester.ee/record=b2182175*est <https://digikogu.taltech.ee/et/Item/7729329c-fcb4-4227-8663-3a21bf5c78ff>

Определение кадмия, свинца, меди и цинка в грунтовых водах методом инверсионной вольтамперометрии

Lepane, Viia; Hõdrejäär, Helvi Перспективные хроматографические и электрохимические методы в санитарной химии : тезисы совещания посвященного 100-летию санитарного контроля в Эстонии, Таллинн-Тарту, 8-10 сентября 1988 г 1988 / с. 71-72 https://www.ester.ee/record=b1249625*est

Электрохимическое исследование системы магний-цинк : автореферат ... кандидата технических наук (05.16.03)

Pedokand, Tõivu 1976 https://www.ester.ee/record=b2339055*est