

A structural-dynamical characterization of human Cox17

Banci, Lucia; Bertini, Ivano; Ciofi-Baffoni, Simone; Janicka, Anna; Martinelli, Manuele; Kozłowski, Henryk; **Palumaa, Peep** Journal of biological chemistry 2008 / 12, p. 7912-7920 : ill <https://pubmed.ncbi.nlm.nih.gov/18093982/>

Affinity gradients drive copper to cellular destinations

Banci, Lucia; Bertini, Ivano; Ciofi-Baffoni, Simone; Kozyreva, Tatiana; **Zovo, Kairit; Palumaa, Peep** Nature 2010 / p. 645-648 : ill <https://doi.org/10.1038/nature09018>

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](#)

AFM characterization of the surface morphology of the severe plastic deformed copper [Electronic resource]

Hussainova, Irina; Lõhmus, Rünno; Kommel, Lembit; Siimon, H. Proceedings of Material Research Society Spring Meeting : March 28 - April 1, 2005, San Francisco, CA, USA 2005 / [CD-ROM]

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

Alternative wood preservative systems in a combined impregnation process (CIP)

Liibert, Laura; Treu, Andreas; Meier, Pille Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21-22, 2010, Tallinn, Estonia 2010 / p. 190

Analysis of the edge emission of highly conductive CuGaTe2

Krustok, Jüri; Grossberg, Maarja; Jagomägi, Andri; Danilson, Mati; Raudoja, Jaan Thin solid films 2007 / 15, p. 6192-6195 <https://www.sciencedirect.com/science/article/abs/pii/S0040609006016117>

ATP7A-dependent copper sequestration contributes to termination of β -CATENIN signaling during early adipogenesis

Yang, Haojun; **Kabin, Ekaterina**; Dong, Yixuan; Zhang, X.; Ralle, Martina; Lutsenko, Svetlana Molecular metabolism 2024 / art. 101872, 12 p. : ill <https://doi.org/10.1016/j.molmet.2024.101872> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Carbon prices for meeting the Paris agreement and their impact on key metals

Tost, Michael; **Hitch, Michael William**; Lutter, Stephan; Feiel, Susanne; Moser, Peter The extractive industries and society 2020 / p. 593-599 <https://doi.org/10.1016/j.exis.2020.01.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cavitation-dispersion method for copper cementation from wastewater by iron powder

Shishkin, Andrei; Mironovs, Viktors; Vu, Hong; Novak, Pavel; **Baroninš, Janis**; Polyakov, Alexandr; Ozolins, Jurijs Metals 2018 / art. 920, 11 p. : ill <https://doi.org/10.3390/met8110920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization of the viscoplastic behavior of nanocrystalline metals at HCV deformation

Kommel, Lembit; Hussainova, Irina; Traksmäa, Rainer Reviews on advanced materials science 2005 / p. 447-453 https://www.researchgate.net/publication/250143614_Characterization_of_the_Viscoplastic_Behavior_of_Nanocrystalline_Metals_at_HCV_Deformation

Chemical incorporation of copper into indium selenide thin films

Hibberd, C.J.; **Ernits, Kaia**; Kaelin, M.; Tiwari, A.N. 4th Photovoltaic Science, Applications and Technology Conference C89 : University of Bath, United Kingdom, 2-4 April, 2008 2008 / p. 052

Chemical incorporation of copper into indium selenide thin-films for processing of CuInSe2 solar cells

Hibberd, C.J.; **Ernits, Kaia**; Kaelin, M.; Mueller, U.; Tiwari, A.N. Progress in photovoltaics : research and applications 2008 / 7, p. 585-593 : ill

Chemical interaction of copper sulfate with calcium dihydrophosphate

Viisimaa, Ludmilla; Vilbok, Heinrich Phosphorus, sulfur and silicon and the related elements 1990 / p. 446

Chemical interaction of copper sulfate with calcium dihydrophosphate

Viisimaa, Ludmilla; Vilbok, Heinrich XI. International Conference on Phosphorus Chemistry, Tallinn, USSR July 3-7, 1989 : abstracts of posters. II 1989 / [p. 93] https://www.ester.ee/record=b1209881*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

Comparison of the wear and frictional properties of Cu matrix composites prepared by pulsed electric current sintering
Ritasalo, Riina; **Antonov, Maksim; Veinthal, Renno**; Hannula, Simo-Pekka Proceedings of the Estonian Academy of Sciences
2014 / p. 62-74 : ill https://artiklid.elnet.ee/record=b2665219*est <https://doi.org/10.3176/proc.2014.1.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Computational study of copper-catalyzed alkyne-azide cycloaddition reaction
Kalvet, Indrek; Mäeorg, Uno; **Tammiku-Taul, Jaana**; Sikk, Lauri The 13th European Symposium on Organic Reactivity ESOR XIII :
Tartu, Estonia, 11-16 September 2011 : [book of abstracts] 2011 / p. 98

Copper chalcopyrites for solar energy applications
Mandati, Sreekanth; Misra, Prashant; Sarada, Bulusu V.; Rao, Tata Naransinga Transactions of the Indian Institute of Metals 2019 /
p. 271-288 : ill <https://doi.org/10.1007/s12666-018-1455-0>

Copper chaperones. The concept of conformational control in the metabolism of copper
Palumaa, Peep FEBS letters 2013 / p. 1902-1910 : ill [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Copper indium disulfide films by chemical spray pyrolysis for photovoltaics
Krunk, Malle; Mere, Arvo; Katerski, Atanas Proceedings of the International Conference on Solar Cells : IC-SOLACE 2008 :
January 21-23, 2008, Cochin, India 2008 / p. 16-19

Copper metabolism in health and disease : focus on copper in adipogenesis and α -lipoic acid in Wilson disease = Vase ainevahetus tervise ja haiguse tingimustes : fookus vasele adipogeneesil ja α -lipoehappele Wilsoni tõve korral
Kabin, Ekaterina 2023 <https://doi.org/10.23658/taltech.69/2023> <https://digikogu.taltech.ee/et/Item/6b47422f-75fd-4e9a-b16c-8edd3c3e201a>
https://www.ester.ee/record=b5645433*est

Copper sulfides by chemical spray pyrolysis process
Krunk, Malle; Mellikov, Enn; Bijakina, Olga Abstracts of 17th Nordic Semiconductor Meeting, June 17-20, 1996, Trondheim,
Norway 1996 / p. 62-63

Copper sulfides by chemical spray pyrolysis process
Krunk, Malle; Mellikov, Enn; Bijakina, Olga Physica scripta 1997 / p. 189-192

Copper(I)-binding properties of de-coppering drugs for the treatment of Wilson disease. α -Lipoic acid as a potential anti-copper agent
Smirnova, Julia; Kabin, Ekaterina; Järving, Ivar; Bragina, Olga; Tõugu, Vello; Plitz, Thomas; **Palumaa, Peep** Scientific reports
2018 / art. 1463, 9 p. : ill <https://doi.org/10.1038/s41598-018-19873-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Copper-zinc oxide heterojunction catalysts exhibiting enhanced photocatalytic activity prepared by a hybrid deposition method
Montero, Jose; Welearegay, Tesfalem; Thyr, Jakob; Stopfel, Henry; **Dedova, Tatjana; Oja Acik, Ilona**; Österlund, Lars RSC
advances 2021 / p. 10224-10234 <https://doi.org/10.1039/d1ra00691f> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cox17, a copper chaperone for cytochrome c oxidase : expression, purification and formation of mixed disulphide adducts with thiol reagents
Voronova, Anastassia; Kazantseva, Jekaterina; Tuuling, Marina; Sokolova, Niina; Sillard, Rannar; Palumaa, Peep Protein
expression and purification 2007 / 1, p. 138-144 : ill <https://www.sciencedirect.com/science/article/pii/S1046592806003901>
<https://www.sciencedirect.com/science/article/pii/S1046592806003901>

Cu-modified hydroxy-apatite as catalyst for Glaser-Hay C-C homo-coupling reaction of terminal alkynes
Maaten, Birgit; Moussa, Jamal; Desmarests, Christophe; Gredin, Patrick; Beaunier, Patricia; **Kanger, Tõnis; Tõnsuaadu, Kaia**;
Villemin, Didier; Gruselle, Michel Journal of molecular catalysis A : chemical 2014 / p. 112-116 : ill

Damage evolution of structure and fracture of nanocrystalline copper at cyclic deformation
Kommel, Lembit; Kommel, Igor "Deformation & Fracture of Materials" : DFM2006 : сборник статей по материалам Первой
международной конференции "Деформация и разрушение материалов". I 2006 / p. 411-414 : ill

Defect structure of Culdoped cadmium selenide
Öpik, Andres; Varvas, Jüri Physica status solidi (a) : applications and materials science 1982 / p. 467-473 : ill
<https://doi.org/10.1002/pssa.2210740212> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Deposition of copper indium disulphide films by chemical spray pyrolysis

Kijatkina, Olga 2004 https://www.ester.ee/record=b1926863*est

Determining the embedding parameters governing long-term dynamics of copper prices

Cortez, Carlos A. Tapia; Hitch, Michael William; Sammut, Claude Chaos, solitons and fractals 2018 / p. 186-197 : ill
<http://dx.doi.org/10.1016/j.chaos.2018.03.032>

Direct competition of ATCUN peptides with human serum albumin for copper(II) ions determined by LC-ICP MS

Noormägi, Andra; Golubeva, Tatjana; Berntsson, Elina; Wärmländer, Sebastian K.T.S.; Tõugu, Vello; Palumaa, Peep ACS omega 2023 / p. 33912–33919 <https://doi.org/10.1021/acsomega.3c04649> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Doktorant loodab vase reguleerimisega Alzheimerit ennetada

Filippov, Madis med24.ee 2023 [Doktorant loodab vase reguleerimisega Alzheimerit ennetada](#)

Economic pulse electrodeposition for flexible CuInSe(2)solar cells

Mandati, Sreekanth; Misra, Prashant; Boosagulla, Divya; Rao, Tata Naransinga; Sarada, Bulusu V. Materials for renewable and sustainable energy 2020 / art. 19, 6 p. : ill <https://doi.org/10.1007/s40243-020-00177-3>

Eesti teadlaste loodud nanokangas tõrjub koroonaviirust [Võrguväljaanne]

Oidermaa, Jaan-Juhan novaator.err.ee 2022 ["Eesti teadlaste loodud nanokangas tõrjub koroonaviirust"](#)

Effect of hard cyclic viscoplastic deformation on hardening/softening of SPD-copper

Kommel, Lembit TMS 2004 : 133rd Annual Meeting & Exhibition : The Minerals, Metals & Materials Society welcomes you to the technical program for the 133rd TMS Annual Meeting & Exhibition, to be held March 14-18, 2004, in Charlotte, North Carolina 2004 / p. 258
https://www.researchgate.net/publication/360806886_Effect_of_Hard_Cyclic_Viscoplastic_Deformation_on_the_Microstructure_Mechanical_Properties_and_Electrical_Conductivity_of_Cu-Cr_Alloy

Effect of hard cyclic viscoplastic deformation on the microstructure, mechanical properties, and electrical conductivity of Cu-Cr alloy

Kommel, Lembit; Huot, Jacques; Omranpour Shahreza, Babak Journal of Materials Engineering and Performance 2022 / p. 9690-9702 <https://doi.org/10.1007/s11665-022-06997-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrode reactions in Cu-Pt coated Nafion[r] actuators

Johanson, Urmas; Mäeorg, Uno; Brandell, Daniel; Punning, Andres; Torop, Janno; Kruusmaa, Maarja; Aabloo, Alvo Artificial Muscle Actuators using Electroactive Polymers 2009 / p. 75-80 https://www.researchgate.net/publication/236115789_Electrode_Reactions_in_Cu-Pt_Coated_NafionR_Actuators

Electrodeposition of adherent copper film on unmodified tungsten

Wang, Chen; Lei, Jipu; Bjelkevig, Cameron; Rudenja, Sergei; Magtoto, Noel; Kelber, Jeff Thin solid films 2003 / 1, p. 72-79 : ill
<https://www.sciencedirect.com/science/article/pii/S0040609003012392>

Enantioselective Henry reaction catalyzed by Cull salt and biperidine

Noole, Artur; Lippur, Kristin; Metsala, Andrus; Lopp, Margus; Kanger, Tõnis The journal of organic chemistry 2010 / p. 1313-1316 <https://pubmed.ncbi.nlm.nih.gov/20095538/>

Erratum: Copper-zinc oxide heterojunction catalysts exhibiting enhanced photocatalytic activity prepared by a hybrid deposition method (RSC Advances (2021) 11 (10224–10234) DOI: 10.1039/D1RA00691F)

Montero, José; Welearegay, Tesfalem; Thyr, Jakob; Stopfel, Henry; Dedova, Tatjana; Oja Acik, Ilona; Österlund, Lars RSC Advances 2021 / p. 13635 <https://doi.org/10.1039/d1ra90096j> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of the effect of test medium on total Cu body burden of nano CuO-exposed Daphnia magna: A TXRF spectroscopy study

Muna, Marge; Heinlaan, Margit; Blinova, Irina; Vija, Heiki; Kahru, Anne Environmental pollution 2017 / p. 1488-1496 : ill
<https://doi.org/10.1016/j.envpol.2017.07.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Exposure of freshwater zooplankton to copper nanoparticles : toxicity and copper body burden

Muna, Marge; Heinlaan, Margit; Vija, Heiki; Blinova, Irina; Kahru, Anne 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 33 http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf

Fabrication, control and properties of nanocrystalline copper

Kommel, Lembit; Kübarsepp, Jakob; Veinthal, Renno; Traksmäa, Rainer Nano-architected and nanostructured materials : fabrication, control and properties 2004 / p. 27-37 : ill

Functional characterization of the cellular copper proteome = Rakulise vase proteoomi funktsionaalne iseloomustamine

Zovo, Kairit 2011

Functionality and activity of Sol–Gel-Prepared Co and Fe co-Doped Lead-Free BTO for thermo-optical applications

Tihti, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-nadir, Redouane; **Hussainova, Irina**; Kocserha, Istvan ACS omega 2023 / p. 5003–5016 : ill <https://doi.org/10.1021/acsomega.2c07660> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Genomic features and copper biosorption potential of a new *Alcanivorax* sp. VBW004 isolated from the shallow hydrothermal vent (Azores, Portugal)

Ramasamy, Kesava Priyan; Rajasabapathy, Raju; **Lips, Inga**; Mohandass, Chellandi; James, Rathinam Arthur Genomics 2020 / p. 3268–3273 <https://doi.org/10.1016/j.ygeno.2020.06.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High temperature conductivity in the Cu solubility limit range in ZnS:Cu

Lott, Kalju; Raukas, Uusi; Vishnjakov, A.; Grebennik, A. E-MRS'98 : European Materials Research Society 1998 Spring Meeting, June 16-19, 1998, Strasbourg (France) : final book of abstracts 1998 / p. C/P13 <https://www.sciencedirect.com/science/article/abs/pii/S0022024898007921>

High temperature defect equilibrium in ZnS:Cu single crystals

Lott, Kalju; Šinkarenko, Svetlana; Törn, Leo; Nirk, Tiit; Öpik, Andres; Kallavus, Urve; Gorokhova, Elena; Grebennik, A.; Vishnjakov, A. Physica status solidi (b) 2010 / 7, p. 1662-1665

High temperature electrical conductivity in Cu-doped ZnS

Lott, Kalju; Törn, Leo; Volobujeva, Olga; Leskelä, M. Physica status solidi (b) 2002 / 1/2, proceedings [of] the Tenth International Conference on II-VI Compounds, September 9-14, 2001, Bremen, Germany, p. 361-364 : ill

High temperature electrical conductivity in ZnS:Cu:Cl ceramics and in CdSexTe1-x polycrystalline solid solutions

Lott, Kalju; Nirk, Tiit; Gorokhova, Elena; Ryzhikov, Engels Solid state phenomena 1999 / Polycrystalline Semiconductors V : Bulk Materials, Thin Films and Devices : Proceedings of the Fifth International Conference, held in Schwäbisch Gmünd, Germany, September 13-18, 1998, ISBN 3-908450-43-8, p. 329-334: ill

High temperature electrical conductivity in the Cu solubility limit range in ZnS:Cu

Lott, Kalju; Raukas, Maie; Vishnjakov, A.; Grebennik, A. Journal of crystal growth 1999 / p. 489-492: ill

High temperature electrical conductivity in the Cu-doped ZnS

Lott, Kalju; Törn, Leo; Volobujeva, Olga; Leskelä, M. The Tenth International Conference on II-VI Compounds (II-VI 2001) : September 9-14, 2001, Bremen, Germany : [abstracts] 2001 / p. Tu-P29

Homogeneous deposition of copper oxide on mesoporous 1D alumina nanofibres by combustion approach

Kirakosyan, Khachatur; Aghayan, Marina; Rodriguez, Miguel Angel; **Taleb, Masoud; Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2016 / p. 97-100 : ill https://artiklid.elnet.ee/record=b2768206*est <https://doi.org/10.3176/proc.2016.2.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Human superoxide dismutase 1 (hSOD1) maturation through interaction with human copper chaperone for SOD1 (hCCS)

Banci, Lucia; Bertini, Ivano; Cantini, Francesca; Kozyreva, Tatiana; Massagni, Chiara; **Palumaa, Peep**; Rubino, Jeffrey; **Zovo, Kairit** Proceedings of the National Academy of Sciences 2012 / p. 13555-13560 https://www.researchgate.net/publication/230624025_Human_superoxide_dismutase_1_hSOD1_maturation_through_interaction_with_human_copper_chaperone_for_SOD1_hCCS

Influence of conductive polymer deposition on photovoltaic properties of prospective inorganic photoabsorber CuInS2 in solar cell

Bereznev, Sergei; Kois, Julia; Mellikov, Enn; Öpik, Andres; Verbitsky, Anatoly; Vertsimakha, Yaroslav Proceedings of the Third IASTED Asian Conference Power and Energy Systems : April 2-4, 2007, Phuket, Thailand 2007 / p. 232-235 https://www.researchgate.net/publication/288795301_Influence_of_conductive_polymer_deposition_on_photovoltaic_properties_of_prospective_inorganic_photoabsorber_CuInS2_in_solar_cell

Influence of copper and oxygen on the optoelectronic properties of chlorine doped CdTe thin films

Valdna, Vello Thin solid films 2001 / p. 192-194 : ill

Influence of copper and oxygen on the optoelectronic properties of chlorine doped CdTe thin films

Valdna, Vello Abstracts E-MRS-IUMRS 2000 / p. N-22

Influence of SPD on structure and properties of copper

Kommel, Lembit; Kenk, Kalju; Veinthal, Renno Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 161-164 : ill

Interaction of CuCl2 with poly(ethylene glycol) under microwave radiation

Tverjanovich, Andrey; Grevtsev, A. S.; **Bereznev, Sergei** Materials research express 2017 / art. 015006, p. 1-6 : ill
<https://doi.org/10.1088/2053-1591/aa52d0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Interactions of zinc(II) and copper(II) to the full-length Alzheimer's amyloid-B peptide in vitro

Karafin, Ann; Palumaa, Peep; Tõugu, Vello FEBS journal 2008 / Suppl. 1, p. 222

Interactions of Zn(II) and Cu(II) ions with Alzheimer's amyloid-beta peptide. Metal ion binding, contribution to fibrillization and toxicity

Tõugu, Vello; Tiiman, Ann; Palumaa, Peep Metallomics 2011 / p. 250-261 : ill

<https://academic.oup.com/metallomics/article/3/3/250/6016214>

Intermediate compounds in formation of copper sulfides by spray pyrolysis

Krunk, Malle; Mellikov, Enn; Bijakina, Olga Proceedings of the Estonian Academy of Sciences. Engineering 1996 / 1, p. 98-106: ill

Investigation of nickel and copper microfoils defect formation under the stress

Leinberg, Silver; Lõhmus, Rünno; Hussainova, Irina; Nisumaa, Reet 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 42-43 : ill

Kaadmiumi, 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

Kvaasikeemiliste reaktsioonide kineetika vasega legeeritud kaadmiumsulfidid

Maslennikov, A.; Erm, Ants XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 121-122 https://www.ester.ee/record=b1322611*est

Ligandtailored divergence of coppercatalyzed aerobic oxidation of cyclopropanols. Application to the practical synthesis of β -Aminoketones and β -enaminones

Zavalinich, Viktoriya A.; Elek, Gabor Zoltan; Vailhe, Pauline; Novikau, Ilya; Syakhovich, Vitaly; Kirillov, Alexander M.; Lopp, Margus; Masiuk, Uladzimir; Kananovich, Dzmitry Advanced synthesis & catalysis 2024 / p. 4485-4496

<https://doi.org/10.1002/adsc.202400490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lipoic acid ameliorates consequences of copper overload by upregulating selenoproteins and decreasing redox misbalance : poster presentations

Kabin, Ekaterina; Dong, Yixuan; Summers, Kelly; Yang, Haojun; Dev, Som; Wang, Yu; Devenney, Benjamin; Roy, Shubhrajit; Palumaa, Peep; Lutsenko, Svetlana Acta physiologica 2023 / art. e14044 <https://doi.org/10.1111/apha.14044>

Looduslik toidulisand võib aidata Alzheimeri tõve ennetada = Эстонские ученые исследуют новый способ борьбы с болезнью Альцгеймера

Kirss, Sigrid novaator.err.ee 2024 [Looduslik toidulisand võib aidata Alzheimeri tõve ennetada](#) [Эстонские ученые исследуют новый способ борьбы с болезнью Альцгеймера](#)

Luminescentsribad süsteemis CdS:Cu:Cl

Suursalu, U.; Erm, Ants XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 122 https://www.ester.ee/record=b1322611*est

Mechanical behaviour of nanostructured copper produced by SPD method

Hussainova, Irina; Kommel, Lembit; Lõhmus, Rünno; Lõhmus, Ants Proceedings of International Conference on Modern Materials Science > September 26-30, 2005, Kiev, Ukraine 2005 / ? p

Mechanical properties and fracture developed in nanocopper by severe plastic deformations

Besterci, Michal; Kvackaj, Tibor; Kovac, Ladislav; Sülleiova, Katarina; Kulu, Priit 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 22

Mechanical properties and fracture of nanocopper by severe plastic deformations

Besterci, Michal; Kvackaj, Tibor; Kovac, Ladislav; Sülleiova, Katarina; Kulu, Priit Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 4, p. 340-348 : ill

Metabolism of copper and possibilities for its regulation

Palumaa, Peep Proceedings of the Estonian Academy of Sciences 2023 / p. 382-392 <https://doi.org/10.3176/proc.2023.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metal mining's environmental pressures: a review and updated estimates on CO2 emissions, water use, and land requirements

Hitch, Michael William; Tost, Michael; Bayer, Benjamin Sustainability 2018 / art. 2881 ; 14 p. : tab <https://doi.org/10.3390/su10082881>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Metal-binding mechanism of Cox17, a copper chaperone for cytochrome c oxidase

Palumaa, Peep; Kangur, Liina; Voronova, Anastassia; Sillard, Rannar Biochemical journal 2004 / 1, p. 307-314
<https://pubmed.ncbi.nlm.nih.gov/15142040/>

Microbial interactions with inanimate solid surfaces : a methodological approach = Mikroobide interaktsioonid tahkete eluta pindadega : metoodiline käsitus

Rosenberg, Merilin 2022 <https://doi.org/10.23658/taltech.6/2022> <https://digikogu.taltech.ee/et/Item/ae0fc64d-c7bf-46e9-bc65-85342787a8cb>
https://www.ester.ee/record=b5491623*est

Micromechanical properties and electrical conductivity of Cu and Cu-0.7wt% Cr alloy

Kommel, Lembit; Pardis, N.; **Kimmari, Eduard** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 354-359 : ill

Microscopic characterization of surface morphology of nanostructured copper

Hussainova, Irina; **Kommel, Lembit**; Lõhmus, Rünno; **Volobujeva, Olga** Reviews on advanced materials science 2005 / p. 266-271 : ill

Microscopic study of structural features of nanocrystalline copper [Electronic resource]

Lõhmus, Rünno; **Hussainova, Irina**; Vesi, U.; **Nisumaa, Reet** Proceedings of NeNaMat Conference Nano 05 : November 8-11, Brno, Czech Republic 2005 / ? p. [CD-ROM]

Microstructural evolution and mechanical properties of nanostructured copper

Kommel, Lembit; **Hussainova, Irina**; **Volobujeva, Olga**; Lõhmus, Rünno Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 3, p. 187-197 : ill

Microstructural features of ultrafine grained copper under severe deformation

Kommel, Lembit; Rõzkina, Anna; Vlasieva, Inna Materials science 2008 / 3, p. 206-209 : ill
<https://matssc.ktu.lt/index.php/MatSc/article/view/26212>

Microstructural features of ultrafine grained copper under severe deformation

Kommel, Lembit; Rõzkina, Anna; Vlasieva, Inna 17th International Baltic Conference : Materials Engineering 2008 : November 6-7, Kaunas, Lithuania : abstracts of papers 2008 / p. 15 <https://matssc.ktu.lt/index.php/MatSc/article/view/26212>

Microstructure and properties development of copper during severe plastic deformation [Electronic resource]

Hussainova, Irina; **Kommel, Lembit** Nanotechnology in Northern Europe : Congress : Finland, 2005 2005 / p. 54 [CD-ROM]

Microstructure, texture and mechanical properties of cyclic expansion-extrusion deformed pure copper

Pardis, N.; Chen, C.; Ebrahimi, R.; **Kommel, Lembit** Materials science and engineering : A 2015 / p. 423-432 : ill
<https://doi.org/10.1016/j.msea.2015.01.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Milline pann osta? Kas odav pann teeb töö ära sama hästi kui kallis?

Arndt-Kalju, Margit; Kirikal, Siiri; Skuin, Mari; Tarkmeel, Krõõt delfi.ee 2023 [Milline pann osta? Kas odav pann teeb töö ära sama hästi kui kallis?](#)

Mitochondrial copper(I) transfer from Cox17 to Sco1 is coupled to electron transfer

Banci, Lucia; Bertini, Ivano; Ciofi-Baffoni, Simone; Hadjiloi, Theodoros; Martinelli, Manuele; **Palumaa, Peep** PNAS 2008 / 19, p. 6803-6808 : ill <https://pubmed.ncbi.nlm.nih.gov/18458339/>

Modulation of redox switches of copper chaperone Cox17 by Xn(II) ions determined by new ESI MS-based approach

Zovo, Kairit; **Palumaa, Peep** Antioxidants & redox signaling 2009 / 5, p. 985-995 <https://pubmed.ncbi.nlm.nih.gov/19018666/>

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

Nanosructured copper manufacturing features and mechanical/physical properties forming

Kommel, Lembit Nanopowders, Nanostuctured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 22-24 : ill

New antimicrobial CU(II)-polyotungstate/polylactic acid films

Duvanova, Ella; **Krasnou, Illia**; Knyzhnyk, Ivan; Radio, Serhii V.; **Karpichev, Yevgen** Graduate School of Functional Materials and

Optical dynamics of copper-doped cadmium sulfide (CdS) and zinc sulfide (ZnS) quantum-dots core/shell nanocrystals

Rashid, Muhammad Haroon; **Koel, Ants; Rang, Toomas**; Nasir, Nadeem; Sabir, Nadeem; Ameen, Faheem; Rasheed, Abher
Nanomaterials 2022 / art. 2277 <https://doi.org/10.3390/nano12132277> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optoelectronic surface emitters of terahertz radiation from copper chalcogenides

Adomavicius, Ramunas; Krotkus, Arunas; Šustaviciute, R.; Molis, Gediminas; **Kois, Julia; Bereznev, Sergei; Mellikov, Enn**;
Gashin, P. Electronics letters 2007 / 25, p. 1458-1459 <https://doi.org/10.1049/el:20072035>

Oxidative switches in functioning of mammalian copper chaperone Cox17

Voronova, Anastassia; Meyer-Klaucke, Wolfram; Meyer, Thomas; Rompel, Anette; Krebs, Bernt; **Kazantseva, Jekaterina; Sillard, Rannar; Palumaa, Peep** Biochemical journal 2007 / p. 139-148 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2049083/>

Pihustuspürolüüsi meetodil vaserikastest lahustest valmistatud CuInS₂ kilede omadused

Rebane, Helen; Kijatkina, Olga; Mikli, Valdek; Leomar, Hedi; **Krunks, Malle** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 111

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

Potential eco-friendly wood protection systems used in royal process

Liibert, Laura; **Treu, Andreas; Kers, Jaan**; Meier, Pille Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 674-679 : ill

Preparation of CuInSe₂ thin films by using various methods : (a short review)

Soonmin, Ho; **Mandati, Sreekanth**; Chandran, Ramkumar; Mallik, Archana; Bhuiyan, M. A. S.; Deepa, K. G. Oriental journal of chemistry 2019 / p. 01-13 : ill http://eprints.intimal.edu.my/1267/1/CuInSe2%20thin%20films%20by%20uisng%20various%20methods_Ho.pdf

Pronksiajast läbi rauaaja tänapäeva. Vask ; Pronksiajast läbi rauaaja tänapäeva. Raud

Kulu, Priit 2019 https://www.ester.ee/record=b5284667*est

Properties development of ultrafine-grained copper under hard cyclic viscoplastic deformation

Kommel, Lembit Materials letters 2010 / p. 1580-1582 : ill <https://www.sciencedirect.com/science/article/pii/S0167577X10003526>

Properties of CuInS₂ free surface and the effect of conductive polymer layers on these properties

Verbitsky, Anatoly; Vertsimakha, Yaroslav; Lutsyk, Petr; Studzinsky, Sergei; **Bereznev, Sergei; Kois, Julia; Öpik, Andres; Mellikov, Enn** Proceedings of the Estonian Academy of Sciences. Chemistry 2006 / 2, p. 111-119 : ill

Rakulise vase proteoomi süsteemibioloogia

Palumaa, Peep; Zovo, Kairit XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 73 : ill

Rapid in situ assessment of Cu-ion mediated effects and antibacterial efficacy of copper surfaces

Rosenberg, Merilin; Vilja, Heiki; Kahru, Anne; Keevil, William; Ivask, Angela Scientific reports 2018 / art. 8172, 8 p. : ill
<https://doi.org/10.1038/s41598-018-26391-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ravimatut Wilsoni tõbe aitab kontrolli all hoida looduslik antioksidant

Эстонские ученые обнаружили лечебные свойства у популярного антиоксиданта

Palumaa, Peep novaator.err.ee 2023 [Ravimatut Wilsoni tõbe aitab kontrolli all hoida looduslik antioksidant](#) [Эстонские ученые обнаружили лечебные свойства у популярного антиоксиданта](#)

Reactivity of Cd7-metalllothionein with Cu(II) ions : evidence for a cooperative formation of Cd₃, Cu(I)5-metalllothionein

Vaher, Maret; Romero-Isart, Nuria; Vašak, Milan; **Palumaa, Peep** Journal of inorganic biochemistry 2001 / p. 1-6 : ill
<https://pubmed.ncbi.nlm.nih.gov/11192694/>

Sprayed CuInS₂ films grown under Cu-rich conditions as absorbers for solar cells

Krunks, Malle; Kijatkina, Olga; Mere, Arvo; Varema, Tiit; Oja, Ilona; Mikli, Valdek Solar energy materials & solar cells 2005 / p. 207-214 : ill

Stability and conformation of polycopper-thiolate clusters studied by density functional approach

Ahte, Priit; **Palumaa, Peep; Tamm, Toomas** Journal of physical chemistry A 2009 / 32, p. 9157-9164 : ill
<https://pubs.acs.org/doi/10.1021/jp8114644>

Stability and damage of nanocrystalline copper at cyclic elastic-plastic deformation

Kommel, Lembit; Hussainova, Irina; Veinthal, Renno; Saarna, Mart Ultrafine Grained Materials - from Basics to Applications : UFG-2006 : September 25-27, 2006, Kloster Irsee, Germany 2006 / p. 3-17 - 3-19

Strength and plasticity of nanocrystalline copper

Kommel, Lembit; Hussainova, Irina; Volobujeva, Olga Деформация и разрушение материалов = Deformation and fracture of materials 2005 / 11, p. 17-23

Strength and plasticity of nanocrystalline copper after HCV deformation

Kommel, Lembit; Hussainova, Irina; Volobujeva, Olga Abstracts of 3rd International Conference "Phase Transition and Strength of Crystals" : September 20-24, 2004, Chernogolovka, Russia 2004 / p. 47-48

Structural and functional insight into trafficking of copper in the cell

Palumaa, Peep; Banci, Lucia; Bertini, Ivano; Ciofi-Baffoni, Simone; Zovo, Kairit Journal of biological inorganic chemistry 2014 / p. S851

Structural behavior and damage evolution of nanocrystalline copper at HCV deformation

Kommel, Lembit; Hussainova, Irina; Nisumaa, Reet; Volobujeva, Olga; Saarna, Mart 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 40-41 : ill

Structural behaviour of NC copper at hard cyclic viscoplastic deformation

Kommel, Lembit; Hussainova, Irina; Nisumaa, Reet; Volobujeva, Olga Ultrafine Grained Materials - from Basics to Applications : UFG-2006 : September 25-27, 2006, Kloster Irsee, Germany 2006 / p. 6-16 - 6-17

Structure and functioning of copper chaperones

Palumaa, Peep FEBS journal 2013 / p. 151

Structure defects and photovoltaic properties of TiO₂:ZnO/CuO solar cells prepared by reactive DC magnetron sputtering

Wisz, Grzegorz; Sawicka-Chudy, Paulina; Wal, Andrzej; **Sibinski, Maciej**; Potera, Piotr; Yavorskyi, Rostyslav; Nykyruy, Lyubomyr; Ploch, Dariusz; Bester, Mariusz; Cholewa, Marian; Chernikova, Olena M. Applied Sciences 2023 / 13 p. : ill
<https://doi.org/10.3390/app13063613>

Structure evolution of submicrocrystalline copper during cyclic deformation

Kommel, Lembit; Dobatkin, S.; Straumal, B.; Kommel, Igor; Kuznetsov, A. Bulk Nanostructured Materials : from Fundamentals to Innovations 2009 / p. 237-238

Study of the edge and exciton emission in CdTe:Cu:Cl powder samples

Krustok, Jüri; Mädasson, Jaan; Hjelt, Kari; Collan, Heikki Journal of materials science letters 1995 / p. 1490-1492: ill

Study of the edge and exciton emission in the CdTe:Cu:Cl powder samples

Hjelt, Kari; Collan, Heikki; **Krustok, Jüri; Mädasson, Jaan** Annual report 1994 / Optoelectronics Laboratory, Helsinki University of Technology 1995 / p. 49

Substantial improvement of the photovoltaic characteristics of TiO₂/CuInS₂ interfaces by the use of recombination barrier coatings

Lenzmann, F.; Nanu, M.; **Kijatkina, Olga**; Belaidi, A. Thin solid films 2004 / p. 639-643 : ill

Substitution of the Methionine Axial Ligand of the T1 copper for the fungal-like Phenylalanine Ligand (M298F) causes local structural perturbations that lead to thermal instability and reduced catalytic efficiency of the small Laccase from Streptomyces coelicolor A3(2)

Zovo, Kairit; Pupart, Hegne; Van Wieren, Arie; Gillilan, Richard E.; **Lukk, Tiit** ACS omega 2022 / p. 6184-6194

<https://doi.org/10.1021/acsomega.1c06668> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surface degreasing and activation as important factors for Cu electroplating on ITO substrates

Altosaar, Mare; Varema, Tiit; Mellikov, Enn Integrity, Relability, Failure 1999 : July 19-22, Porto, Portugal : book of abstracts 1999 / p. 234-235

Synergistic antibacterial effect of copper and silver nanoparticles and their mechanism of action

Vasiliev, Grigory; Kubo, Anna-Liisa; Vija, Heiki; Kahru, Anne; **Bondar, Denys; Karpichev, Yevgen**; Bondarenko, Olesja Scientific reports 2023 / art. 9202, 15 p. : ill <https://doi.org/10.1038/s41598-023-36460-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synergistic mechanisms and toxicity profiles of silver and copper nanoparticles for the development of novel antimicrobial materials = Vase ja hõbeda nanoosakeste sünergilise koosmõju mehhanismid ja rakendamine uute antimikroobsete materjalide arendamiseks

Vasiliev, Grigory 2023 <https://doi.org/10.23658/taltech.28/2023> <https://digikogu.taltech.ee/et/Item/50c08f30-1077-456a-8e2b-c9f43447d616>

Synthesis and antibacterial efficiency of chitosan–copper oxide nanocomposites

Laanoja, Jüri; Sihtmäe, Mariliis; Otsus, Maarja; Kahru, Anne; Kasemets, Kaja International Conference EcoBalt 2023 "Chemicals&Environment" 2023 / 2 p. <https://doi.org/10.3390/proceedings2023092035>

Synthesis and consolidation of Mo-Cu composite nanopowder [Online resource]

Minasyan, Tatevik; Kirakosyan, Hasmik; Aydinyan, Sofiya; Liu, Le; Hussainova, Irina; Kharatyan, Suren Explosive Production of New Materials : Science, Technology, Business, and Innovations 2018 / p. 151-153 : ill
http://www.ism.ac.ru/events/EPNM2018/EPNM2018_BookofPapers.pdf <http://dx.doi.org/10.30826/EPNM18-053>

Synthesis and synergistic antibacterial efficiency of chitosan-copper oxide nanocomposites

Laanoja, Jüri; Sihtmäe, Mariliis; Vihodceva, Svetlana; Iesalnieks, Mairis; Otsus, Maarja; Kurvet, Imbi; Kahru, Anne; Kasemets, Kaja Heliyon 2024 / art. e35588 <https://doi.org/10.1016/j.heliyon.2024.e35588> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis, vibrational spectra and X-ray structures of copper(I) thiourea complexes

Bombicz, Petra; Mutikainen, Ilpo; Krunks, Malle; Leskelä, Tuula; Madarasz, Janos; Niinistö, Lauri Inorganica chimica acta 2004 / 2, p. 513-525 <https://www.sciencedirect.com/science/article/pii/S0020169303005152>

Syntrichia ruralis as a suitable bioindicator for urban areas – the case study of Tallinn city

Rajandu, Elle; Kaljuvee, Kadri-Liis; Kulp, Maria; Kaasik, Marko; Elvisto, Tiina; Küttim, Martin Folia Cryptogamica Estonica 2024 / p. 25-34 <https://doi.org/10.12697/fce.2024.61.03> [Journal metrics at Scopus](#) [Article at Scopus](#)

Zn(II) and Cu(II)-induced non-fibrillar aggregates of amyloid-[beta](1-42) peptide are transformed to amyloid fibrils both spontaneously and under the influence of metal chelators

Tõugu, Vello; Karafin, Ann; Zovo, Kairit; Chung, Roger S.; Howells, Claire; West, Adrian; **Palumaa, Peep** Journal of neurochemistry 2009 / 6, p. 1784-1795 : ill <https://pubmed.ncbi.nlm.nih.gov/19619132/>

The copper structure and properties evolution in zone of severe plastic deformation

Kommel, Lembit; Kenk, Kalju; Veinthal, Renno Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 19

The copper structure and properties evolution in zone of severe plastic deformation

Kommel, Lembit; Kenk, Kalju; Veinthal, Renno Medžiagotyra = Materials science 2002 / 4, p. 396-398 : ill

The effect of HCV deformation on hardening/softening of SPD copper

Kommel, Lembit Ultrafine grained materials III : proceedings of Symposium : held during the 2004 TMS Annual Meeting in Charlotte, North Carolina, U.S.A., March 14-18, 2004 2004 / p. 571-576

The effects of an iodine surface layer on Ru reactivity in air and during Cu

Liu, J.; Lei, J.; Magtoto, Noel; Rudenja, Sergei Journal of the Electrochemical Society 2004 / 2, p. ?
<https://iopscience.iop.org/article/10.1149/1.1842072>

The native copper- and zinc- binding protein metallothionein blocks copper-mediated A[beeta] aggregation and toxicity in rat cortical neurons

Chung, Roger S.; Howells, Claire; Zovo, Kairit; Palumaa, Peep; Sillard, Rannar PLoS ONE 2010 / 8, p. e12030 [11 p.]
<https://pmc.ncbi.nlm.nih.gov/articles/PMC2920313/>

The relationship of concentration of zinc and copper as symptom for diagnosis of heavy metals background in organisms

Viitak, Anu; Hödrejärvi, Helvi; Vaarmann, Aini; Treumann, Maili First Baltic Symposium on Environmental Chemistry : 26-29 September 2001, Tartu, Estonia : abstracts 2001 / p. 171-172

Thermal decomposition of cadmium and copper thiocarbamide chlorides

Krunks, Malle; Madarasz, Janos; Leskelä, T.; Hiltunen, L.; Mannonen, R.; Niinistö, L. 15th Nordic symposium for thermal analysis and calorimetry : programme, extended abstracts 1996 / p. 11

Thermal decomposition of copper(I) thiocarbamide chloride hemihydrate

Krunks, Malle; Leskelä, T.; Mannonen, R.; Niinistö, L. Journal of thermal analysis 1998 / p. 355-364: ill

A thermoanalytical study of copper(I) thiocarbamide compounds

Krunks, Malle; Leskelä, T.; Mutikainen, Ilpo; Niinistö, L. Journal of thermal analysis and calorimetry 1999 / 2, p. 479-484: ill

Toxicological profiling of copper oxide and silver nanoparticles and polyoxometalate ionic liquids with medically relevant bacteria and mammalian cells in vitro = Vaskoksiidi ja hõbeda nanoosakeste ning polüoksometalaat-ioonvedelike

toksilisuse uuringud meditsiiniliselt oluliste bakterite ja imetajarakkudega in vitro

Kubo, Anna-Liisa 2019 <https://digi.lib.ttu.ee/i/?12073>

Toxicological profiling of silver and copper oxide nanoparticles on *Saccharomyces cerevisiae* BY4741 wild-type and its single-gene deletion mutants = Hõbeda ja vaskoksiidi nanoosakeste toksilisuse iseloomustamine pärmis *Saccharomyces cerevisiae* BY4741 metsiktüvele ning geenikatkestus-mutantidele

Käosaar, Sandra 2018 <https://digi.lib.ttu.ee/i/?10627> https://www.ester.ee/record=b5151210*est

Tribological characteristics of copper based composites with Al₂O₃ particles at various temperatures

Hvizdoš, Pavol; Besterčí, Michal; **Kulu, Priit**; Kavačká, T. High temperature materials and processes 2013 / p. 437-442

<https://doi.org/10.1515/htmp-2012-0161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tribological characteristics of nanostructured copper

Hussainova, Irina; Lõhmus, Rünno Book of abstracts : Nano Tribo Workshop : France, 2005 2005 / p. 34

Tribological parameters of copper-alumina composite

Hvizdoš, Pavol; **Kulu, Priit**; Besterčí, Michal Engineering materials and tribology 2013 / p. 191-196

https://www.researchgate.net/publication/271863555_Tribological_Parameters_of_Copper-Alumina_Composite

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

Two-step conversion of carboxylic esters into distally fluorinated ketones: Via ring cleavage of cyclopropanol intermediates: Application of sulfinate salts as fluoroalkylating reagents

Konik, Yulia A.; **Kudrjašova, Marina**; **Konrad, Nele**; **Kaabel, Sandra**; **Järving, Ivar**; **Lopp, Margus**; **Kananovich, Dzmitry**

Organic and Biomolecular Chemistry 2017 / p. 4635-4643 : ill <https://doi.org/10.1039/c7ob00680b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Vase määramine bioloogilistes proovides induktiivselt sidestatud plasmaga (ICP)

Susi, Tiina; Kruus, A.; **Viitak, Anu** XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 128

Vaskioonide roll Alzheimeri amüloidse beeta peptiidi [p. o. peptiidi] agregatsioonil ja toksilisusel

Tõugu, Vello; **Tiiman, Ann**; **Palumaa, Peep** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 102

Vaskplekk kui imerohi koroona leviku vastu? Ärimehed müüvad tarbetut kaitset kõrge hinnaga

Jürisoo, Lauri; Kreek, Romet Eesti Päevaleht 2020 / Lk. 10 : fot <https://dea.digar.ee/article/eestipaevaleht/2020/11/04/10.3>

Vaskseppade amet Tallinnas

Konsap, V. Kõrgema tehnilise hariduse ja tehnilise mõtte areng Eestis 1983 / lk. 59-69 : ill https://www.ester.ee/record=b1257322*est <https://digikogu.taltech.ee/et/Item/d2118d61-8211-4752-b2e3-05b42bdaf2d5>

Viscoplastic behavior of SPD copper

Kenk, Kalju; **Kommel, Lembit**; **Veinthal, Renno** Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 47-48

α-lipoic acid ameliorates consequences of copper overload by up-regulating selenoproteins and decreasing redox misbalance

Kabin, Ekaterina; Dong, Yixuan; Roy, Shubhrajit; **Smirnova, Julia**; Smith, Joshua W.; Ralle, Martina; Summers, Kelly; Yang, Haojun; Dev, Som; Wang, Yu; Devenney, Benjamin; Cole, Robert N.; **Palumaa, Peep**; Lutsenko, Svetlana Proceedings of the National Academy of Sciences 2023 / art. e2305961120 <https://doi.org/10.1073/pnas.2305961120> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Анализ сульфидов меди разных степеней окисления вольтампериметрии с пастовым электродом

Vidreviž, Marina; Uritskaja, Alla; Kitajev, G.; **Mellikov, Enn**; **Krunks, Malle** Заводская лаборатория : ежемесячный научно-технический журнал 1984 / с. 17-19

Влияние некоторых технологических факторов на свойства пропитанных композиций на базе железа и меди

Arensburger, Daniil; Lunev, N. Спеченные конструкционные материалы : [материалы семинара] 1976 / с. [139-145]

Высокотемпературная электропроводность ZnS:Cu:Cl-керамики в области фазовых переходов

Lott, Kalju Оптический журнал 1999 / 7, с. 70-74: ил

Высокотемпературное равновесие дефектов в монокристаллах сульфида цинка, легированных медью

Lott, Kalju; Varvas, Jüri Получение и свойства полупроводниковых соединений типа A II B VI и A IV B VI и твердых растворов на их основе : тезисы докладов Первой всесоюзной научно-технической конференций, МИСИС 1-4 февр. 1977 / с. 1976-1977

Высокотемпературное равновесие дефектов селенида цинка, легированного индием и медью

Kallavus, Urve; Nöges, Märt; Rändur, Õie I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 196 https://www.ester.ee/record=b1309964*est

Высокотемпературное равновесие собственных и примесных (Cu, In) дефектов в монокристаллах

Õpik, Andres; Nirk, Tiit; Varvas, Jüri Получение и свойства полупроводниковых соединений типа A II B VI и A IV B VI и твердых растворов на их основе : Тезисы докладов первой всесоюзной научно-технической конференции, МИСИС 1-4 февр. 1977 / с. 129

Зависимость интенсивности активаторных полос свечения селенида цинка от концентрации меди

Kukk, Peeter-Enn; Rändur, Õie Полупроводниковые материалы. 3 1976 / с. 23-30 : илл https://www.ester.ee/record=b1403374*est
<https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Зависимость растворимости меди в селениде кадмия от давления паров селена

Õpik, Andres; Aarna, Heiti; Varvas, Jüri Свойства легированных полупроводников 1977 / с. 190-192 : ил https://www.ester.ee/record=b2708631*est

Зависимость растворимости меди в селениде кадмия от давления паров селена

Õpik, Andres; Aarna, Heiti; Varvas, Jüri Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов : тезисы докладов 1975 / с. [186]

Зависимость характера обрыва тонких медных лент от степени отжига

Mere, Lembit Тезисы докладов Седьмой Всесоюзной конференции по физике прочности металлов и сплавов 1973 / с. 189-190

Изучение поликристаллических соединений AII BVI (сообщение III)

Türn, Leo; Varvas, Jüri Сборник статей по химии и химической технологии. 14 1966 / с. 39-46 : илл https://www.ester.ee/record=b2182108*est <https://digikogu.taltech.ee/et/Item/de413c4f-179c-4469-b4b6-80c18d5bb3fd>

Изучение поликристаллических соединений AII BVI (сообщение IV)

Türn, Leo Сборник статей по химии и химической технологии. 14 1966 / с. 47-49 : илл https://www.ester.ee/record=b2182108*est
<https://digikogu.taltech.ee/et/Item/de413c4f-179c-4469-b4b6-80c18d5bb3fd>

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

Hödrejäär, Ulrich; Hödrejäär, 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 влияния высоких концентраций плавня на фотоэлектрические свойства сульфида кадмия, активированного медью

Salk, M.; Hiie, Jaan; Mellikov, Enn XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с.32 https://www.ester.ee/record=b1379468*est

Исследование высокотемпературной проводимости монокристаллов CdSe, легированных медью

Õpik, Andres; Nirk, Tiit I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 194 https://www.ester.ee/record=b1309964*est

Исследование дефектов, возникающих в сульфиде кадмия при легировании медью, серебром и золотом

Aarna, Heiti; Õpik, Andres; Kreek, M.; Kukk, Peeter-Enn Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов : тезисы докладов 1975 / с. [110]

Исследование дефектов, возникающих в сульфиде кадмия при легировании медью, серебром и золотом

Aarna, Heiti; Õpik, Andres; Kreek, M.; Kukk, Peeter-Enn Свойства легированных полупроводников 1977 / с. 100-104 : ил https://www.ester.ee/record=b2708631*est

Исследование легирования сульфида цинка медью, алюминием, галлием и индием

Lott, Kalju; Varvas, Jüri Свойства легированных полупроводников 1977 / с. 98-99 : илл https://www.ester.ee/record=b2708631*est

Исследование легирования сульфида цинка медью, алюминием, галлием и индием

Lott, Kalju; Varvas, Jüri Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов : тезисы докладов 1975 / с. 108-109

Исследование миграции примеси меди в монокристаллах сульфида кадмия

Aarna, Heiti; Reiter, Erik Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 43-48

Исследование растворимости и выделения меди в селениде цинка

Rändur, Õie II республиканская конференция молодых ученых-химиков, 17-19 мая 1977 : тезисы докладов. Часть 2 1977 / с. 116 https://www.ester.ee/record=b1308855*est

Исследование температурной зависимости растворимости меди и селениде цинка методами люминесценции

Kukk, Peeter-Enn; Rändur, Õie Получение и свойства полупроводниковых соединений типа A II B VI и A IV B VI и твердых растворов на их основе : Тезисы докладов первой всесоюзного научно-технической конференции, МИСиС 1-4 февраля ; Ч. 1 1977 / с. [?]

Исследование фазового состава и текстуры электролитических сплавов меди и олова

Rusalep, Ervin Труды по физике : сборник статей. 5 1970 / с. 51-57 : илл https://www.ester.ee/record=b2189960*est
<https://digikogu.taltech.ee/et/Item/772a4309-c50e-4ac0-a978-642c38d7bfdd>

Исследование фотоэлектрических свойств поликристаллического сульфида кадмия, легированного медью и хлором

Varvas, Jüri; Kukk, Peeter-Enn Сборник статей по химии и химической технологии. 13 1965 / с. 101-108 : илл
https://www.ester.ee/record=b2182034*est <https://digikogu.taltech.ee/et/Item/d4d94766-1dca-4956-8efe-f305fca83182>

Кинетика процессов дефектообразования в сульфиде кадмия, легированного медью

Varema, Tiit; Voogne, Maie III республиканская конференция молодых ученых-химиков, 15-17 мая 1979 года : тезисы докладов 1979 / с. 4 https://www.ester.ee/record=b1280470*est

Метод определения бора и меди в суперфосфате

Vilbok, Heinrich; Viisimaa, Ludmilla Комплексная переработка фосфатного сырья. Анализ природных и технических объектов 1989 / с. 73-78

Некоторые вопросы получения и использования спеченных дисперсионно-твердеющих сплавов на медной основе

Arensburger, Daniil Тезисы докладов пятой республиканской конференции "Эрозионностойкие порошковые материалы и покрытия" 1988 / с. 41-43 https://www.ester.ee/record=b1256812*est

Неравновесная высокотемпературная проводимость в легированных медью сульфиде и селениде кадмия

Kukk, Peeter-Enn; Varema, Tiit Свойства и технология изготовления износостойких материалов 1980 / с. 65-75 : илл
https://www.ester.ee/record=b1276393*est <https://digikogu.taltech.ee/et/Item/be560987-a637-4f71-93da-1a9ee9705512>

О некоторых особенностях соосаждения меди и олова из серноокислых растворов и свойствах получаемых осадков

Rusalep, Ervin Труды по физике : сборник статей. 4 1963 / с. 31-36 : илл https://www.ester.ee/record=b2181835*est
<https://digikogu.taltech.ee/et/Item/e8338932-2fb7-4e7e-8bb5-e29fc690f490>

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

Lepane, Viia; Hödrejäre, 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

Определение природы зарядового состояния и концентрации дефектов в монокристаллах CdS и CdSe с примесью меди или серебра по данным высокотемпературной проводимости

Aarna, Heiti; Öpik, Andres; Varvas, Jüri; Kukk, Peeter-Enn V Всесоюзное совещание по физико-химическому анализу, 13-15 сент. 1976 г., Москва : тезисы докл. 1976 / с. [131]

Определение растворенной в решетке CdS меди по электрическим измерениям

Altosaar, Mare; Nirk, M. II республиканская конференция молодых ученых-химиков, 17-19 мая 1977 : тезисы докладов. Часть 2 1977 / с. 116-117 https://www.ester.ee/record=b1308855*est

Определение содержания ртути, свинца, меди и цинка в талой воде

Ott, Roman; Hödrejäre, Helvi; Pets, Lydia Неорганическая химия и технология. 1 1980 / с. 61-65
https://www.ester.ee/record=b2191026*est <https://digikogu.taltech.ee/et/Item/130509c0-2687-471a-a9f8-1501114a266e>

Особенности легирования монокристаллического селенида кадмия хлором и медью

Hiie, Jaan; Mellikov, Enn; Krunk, Malle; Altosaar, Mare; Valdna, Vello; Varvas, Jüri Третья Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов, Москва, 20-22 окт. 1975 г. : Тезисы докладов 1975 / с. 112

Особенности легирования фоторезисторов из селенида кадмия медью и серебром
Valdna, Vello; Mädasson, Jaan; Türn, Leo Физическая химия соединений A/III/B/IV/ 1987 / с. 32-39

Отжиг дефектов в селениде цинка, созданных высокотемпературной диффузией меди
Rändur, Õie; Nöges, Märt; Kuk, Peeter-Enn Третья Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов, Москва, 20-22 окт. 1975 г. 1975 / с. 185-186

Получение гранулированного суперфосфата с добавками бора и меди
Viisimaa, Ludmilla; Berezin, L.P.; Kuusik, Rein, keemik XIV Менделеевский съезд по общей и прикладной химии. N 1, Фундаментальные проблемы химической науки : реферативные доклады и сообщение 1989 / с. 328
https://www.ester.ee/record=b3434994*est

Получение обогащенного медью суперфосфата с использованием отработанного травильного раствора
Viisimaa, Ludmilla; Vilbok, Heinrich; Kuusik, Rein, keemik; Viisimaa, Matti Перспективы развития и использования минеральных удобрений с микроэлементами : тезисы докладов научно-производственной конференции, 13-15 нояб., 1990 г., г. Киев 1990 / с. 41

Разделение меди и кадмия методом тонкослойной хроматографии и денситометрическое определение меди
Vilbok, Heinrich; Pöldme, Meeme Журнал аналитической химии 1972 / с. 783-786 : илл https://www.ester.ee/record=b1255880*est

Распределение Cu между твердой фазой CdS и расплавом CdCl₂ + CdS
Altosaar, Mare; Kuk, Peeter-Enn Неорганические материалы Известия Академии наук СССР. Неорганические материалы 1982 / с. 1475-1478 : илл https://www.ester.ee/record=b1611497*est

Растворимость меди в CdSe
Õik, Andres; Varvas, Jüri Известия Академии наук СССР. Неорганические материалы 1982 / с. 904-908 : илл
https://www.ester.ee/record=b1611497*est

Растворимость меди в сульфиде кадмия
Altosaar, Mare; Kerm, Karin Второе Всесоюзное совещание по химии твердого тела, 11-13 мая 1978 г. : Тезисы докладов. Ч. 1 1978 / с. 86-87

Растворимость меди и серебра в монокристаллах сульфида кадмия
Aarna, Heiti; Voogne, Maie; Kuk, Peeter-Enn Четвертая Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов, Москва, 16-18 окт. 1979 г. : тезисы докладов 1979 / с. 57

Растворимость меди и серебра в сульфиде кадмия
Aarna, Heiti; Kuk, Peeter-Enn; Koch, P.; Soorm, T. Полупроводниковые материалы. 3 1976 / с. 3-8 : илл
https://www.ester.ee/record=b1403374*est <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Растворимость меди и серебра в сульфиде цинка
Lott, Kalju; Kokk, Heino Analītiskā ķīmija : Baltijas republiku, Baltkrievijas PSR un Kaļiņingradas apgabala otrās zinātniskās konferences tēzes : Rīga, 1976. gada 9.-10. septembrī = Аналитическая химия : вторая научная конференция Прибалтийских республик, Белорусской ССР и Калининградской области : тезисы докладов : г. Рига, 9-10 сентября 1976 года 1976 / с. 87
https://www.ester.ee/record=b2563176*est

Растворимость меди и серебра в сульфиде цинка и селениде кадмия
Varvas, Jüri; Višnjakov, A.; Lott, Kalju; Raukas, Maie; Õik, Andres; Kerm, Karin Третье Всесоюзное совещание по химии твердого тела : тезисы докладов 1981 / с. 9

Связь интенсивности полос свечения меди в селениде цинка с квазихимическими реакциями, протекающими при отжиге
Kuk, Peeter-Enn; Rändur, Õie; Voogne, Maie; Nöges, Märt Тезисы XXIII Всесоюзной конференции по люминесценции 1976 / с.198 https://www.ester.ee/record=b3798280*est

Селективный элюент для отделения меди на тонком слое силикагеля
Vilbok, Heinrich; Pöldme, Meeme; Pöldme, Juta Процессы и аппараты химической технологии и технология неорганических веществ. 3 1972 / с. 67-71 https://www.ester.ee/record=b1531312*est <https://digikogu.taltech.ee/et/Item/e448e56a-a020-4c7c-8723-e0214721d71b/>

Структура фазовой диаграммы Zn-Cu-S и изотермический профиль растворимости меди в сульфиде цинка
Lott, Kalju; Višnjakov, A.; Raukas, Maie Четвертая Всесоюзная конференция по физико-химическим основам легирования полупроводниковых материалов, Москва, 16-18 окт. 1979 г. : тезисы докладов 1979 / с. 59

Структура фазовой диаграммы Zn-Cu-S и растворимость меди в сульфиде цинка
Lott, Kalju; Višnjakov, A.; Raukas, Maie Журнал неорганической химии 1981 / с. 1894-1899

https://www.ester.ee/record=b1443384*est

Фотолюминесценция порошков ZnS, легированных медью и хлором

Krustok, Jüri; Mädaßon, Jaan 5-я республиканская конференция молодых ученых-химиков : [тезисы докладов] 1983 / с. 238 : табл https://www.ester.ee/record=b1312297*est

Фотопреобразователи CdS-Cu₂S на основе пульверизованных пленок

Krunks, Malle; Mellikov, Enn; Sork, Eeve; Varema, Tiit Материалы «IX Международного совещания по фотоэлектрическим и оптическим явлениям в твердых телах» Варна, Болгария 1989 / с. 36-37

Центры рекомбинации в сильно легированном медью и хлором сульфиде кадмия

Kukk, Peeter-Enn; Erm, Ants; Altosaar, Mare; Mellikov, Enn Український фізичний журнал : науковий журнал = Украинский физический журнал = Ukrainian Journal of Physics 1981 / с. 990-994 : илл https://www.ester.ee/record=b1361425*est

Центры рекомбинации в сульфиде кадмия, легированном медью и хлором

Erm, Ants IV республиканская конференция молодых ученых-химиков : тезисы докладов 1981 / с. 116-117 https://www.ester.ee/record=b1309986*est