

Affinity of zinc and copper ions for insulin monomers

Gavrilova, Julia; Tõugu, Vello; Palumaa, Peep *Metallomics* 2014 / p. 1296-1300 : ill

Biophysical studies of the amyloid beta-peptide : interactions with metal ions and small molecules

Wärmländer, Sebastian; Tiiman, Ann; Abelein, Axel *Chembiochem : a European journal of chemical biology* 2013 / p. 1692-1704 : ill

Computational study of cyclohexylhemicucurbiturils = Tsükloheksüülhemikukurbituriilide arvutuskeemiline modelleerimine

Öören, Mario 2015

Die Wirkung der Kalium- und Bariumionen auf die Geschwindigkeit einer Ionenreaktion im Bereich kleiner Gesamtionenstärke

Talts, Erika 1943 https://www.ester.ee/record=b1419052*est <https://digikogu.taltech.ee/et/Item/ffa9e9ce-049b-4398-b878-4544e0049af6>

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>

Effect of Zn(II) and Cu(II) ions on aggregation and fibrillation of amyloid-beta(1-42) peptide

Palumaa, Peep; Karafin, Ann; Zovo, Kairit; Chung, Roger S.; Howells, Claire; West, Adrian K.; Tõugu, Vello *Sinapsa Neuroscience Conference '09 : Ljubljana, 26-29 September 2009 : abstract book 2009* / p. 34

Effects of bottom-height changes on maximal exchange-flow estimates in channels with quadratic shape cross sections

Laanearu, Janek; Davies, Peter A.; Koppel, Tiit *Proceedings of 32nd Congress of IAHR : Venice, Italy, July 1-6, 2007* 2007 / ? p <https://www.iahr.org/library/infor?pid=15300>

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

Noormägi, Andra 2018 <https://digi.lib.ttu.ee/i/?10378>

Fosfaatioonide potentsiomeetriline tiitrimine looduslikes vetes

Hödrejäv, Helvi; Kerm, Karin; Vaarmann, Aini; Help, Kalju *Комплексная переработка фосфатного сырья. Анализ природных и технических объектов* 1989 / lk. 85-92

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

Zovo, Kairit 2011

Impact of chelating ions on Cd²⁺ sorption with apatites

Tõnsuaadu, Kaia; Vatter, Karin; Peld, Merike; Mikli, Valdek *5th International Symposium on Inorganic Phosphate Materials '05 : 2nd IMPHOS Workshop : Kasugai, Japan, September 6-8, 2005 : book of abstracts 2005* / p. 7-8

Influence of ferrous/ferric ions to the efficiency of aqueous photocatalytic oxidation of pollutants in groundwater

Klauson, Deniss; Portjanskaja, Elina; Katšina, Anna; Preis, Sergei; Kallas, Juha *3rd European Meeting on Solar Chemistry and Photocatalysis : Environmental Applications : book of abstracts 2004* / p. 103-104

Influence of ferrous/ferric ions to the efficiency of aqueous photocatalytic oxidation of 2-ethoxy ethanol

Klauson, Deniss; Preis, Sergei *Abstracts of the International Conference "Eco-Balt 2004"* 2004 / p. 7-8

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

Kaalium- ja baariumiooni toime ioonreaktsioonile väikeste üldioontugevuste juures

Talts, Erika 1940 http://www.ester.ee/record=b2141292*est

Macroporous silicon-wollastonite scaffold with Sr/Se/Zn/Mg-substituted hydroxyapatite/chitosan hydrogel

Ressler, Antonia; Kamboj, Nikhil Kumar; Ledinski, Maja; Rogina, Anamarija; Urlic, Inga; Hussainova, Irina; Ivankovic, Hrvoje; Ivankovic, Marica *Open Ceramics* 2022 / art. 100306 <https://doi.org/10.1016/j.oceram.2022.100306> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mercury ion binding to apolipoprotein E variants ApoE2, ApoE3, and ApoE4 : similar binding affinities but different structure induction effects

Berntsson, Elina; Sardis, Merlin; Noormägi, Andra; Jarvet, Jüri; Roos, Per M.; Tõugu, Vello; Gräslund, Astrid; Wärmländer, Sebastian K.T.S. *ACS omega* 2022 / p. 28924-28931 <https://doi.org/10.1021/acsomega.2c02254> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Natural and synthetic apatites as sorbents for Cd²⁺ and Cr³⁺ ions from aqueous solutions

Peld, Merike; Tõnsuaadu, Kaia; Bender, Villem Proceedings of the Estonian Academy of Sciences. Chemistry 2004 / 2, p. 75-90 : ill

Natural and synthetic apatites as sorbents for Cd²⁺ ions from aqueous solutions

Peld, Merike; Tõnsuaadu, Kaia; Bender, Villem Phosphorus, sulfur, and silicon and the related elements 2002 / 8/9, August-September, XVth International Conference on Phosphorus Chemistry (ICPC 15). Part II, p. 2239

Natural and synthetic apatites as sorbents for Cd²⁺ ions from aqueous solutions

Peld, Merike; Tõnsuaadu, Kaia; Bender, Villem XVth International Conference on Phosphorus Chemistry (ICPC 15) : Sendai, Japan, July 29 - August 3, 2001 : program and abstracts 2001 / p. PB109

Quantum chemical study of the merostabilization of carbon radicals and radical ions

Jürimäe, T.; Karelson, Mati 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 44

Quantum-chemical modeling of solvated first row transition metal ions = Solvateeritud üleminekumetalli-ioonide kvantkeemiline modelleerimine

Uudsemaa, Merle 2006 https://www.ester.ee/record=b2146117*est

Redox and metal ion binding properties of human insulin-like growth factor 1 determined by electrospray ionization mass spectrometry

Smirnova, Julia; Muhhina, Jekaterina; Tõugu, Vello; Palumaa, Peep Biochemistry 2012 / p. 5851-5859 : ill
<https://pubs.acs.org/doi/10.1021/bi300494s>

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](#)

Removal of Cd²⁺ and Mn²⁺ ions from aqueous solutions by synthetic cation substituted calcium-carbonate-apatite

Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel Toxicological and environmental chemistry 1997 / p. 145-154: ill

Role of metal ions in amyloidogenic properties of insulin and superoxide dismutase = Metallioonide roll insuliini ja superoksiidi dismutaasi amüloidoogeensetes omadustes

Gavrilova, Julia 2022 <https://doi.org/10.23658/taltech.44/2022> <https://digikogu.taltech.ee/et/Item/693de590-2d9f-43d6-989e-ebac0544151d>
https://www.ester.ee/record=b5511706*est

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

Solution-mediated inversion of SnSe to Sb₂Se₃ thin-films

Polivtseva, Svetlana; Kois, Julia; Kruzhilina, Tatiana; Kaupmees, Reelika; Klopov, Mihhail; Molaiyan, Palanivel; van Gog, Heleen; van Huis, Marijn A.; Volobujeva, Olga Nanomaterials 2022 / art. 2898 <https://doi.org/10.3390/nano12172898> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Spin state of Co²⁺, Co³⁺ and Ni³⁺ ions on solution

Uudsemaa, Merle; Tamm, Toomas 11th International Conference on the Applications of Density Functional Theory in Chemistry and Physics 2005 / p. P225

Studies on SO₄²⁻ ion incorporation into apatite structure

Tõnsuaadu, Kaia; Peld, Merike; Quarton, Michel; Bender, Villem; Veiderma, Mihkel XVth International Conference on Phosphorus Chemistry (ICPC 15) : Sendai, Japan, July 29 - August 3, 2001 : program and abstracts 2001 / p. A43

Süsinikradikaalide ja radikaalionide merostabilisatsiooni kvantkeemiline uurimine

Jürimäe, T.; Karelson, Mati XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 39

Synthesis of Mg and Na containing carbonate-fluorapatites and their use for the removal of Cd²⁺ and Mn²⁺ ions from solutions

Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel Phosphorus research bulletin 1996 / p. 147-150: ill

Zn(II) ions co-secreted with insulin suppress inherent amyloidogenic properties of monomeric insulin

Noormägi, Andra; Gavrilova, Julia; Smirnova, Julia; Tõugu, Vello; Palumaa, Peep Biochemical journal 2010 / p. 511-518
<https://pubmed.ncbi.nlm.nih.gov/20632994/>

Zn(II) ions inhibit fibrillization of monomeric insulin

Noormägi, Andra; Gavrilova, Julia; Smirnova, Julia; Tõugu, Vello; Palumaa, Peep FEBS journal 2010 / Suppl. 1, p. 256

Textural properties of estagar gels in the presence of potassium and calcium cations and saccharose

Laos, Katrin; Sirendi, Meelis Food and nutrition = Toit ja toitumine 2000 / p. 55-71 : ill

The influence of ferrous/ferric ions on the efficiency of photocatalytic oxidation of pollutants in groundwater

Klauson, Deniss; Portjanskaja, Elina; Katšina, Anna; Kritševskaja, Marina; Preis, Sergei; Kallas, Juha Environmental technology 2005 / 6, p. 653-662

The influence of iron ions on the aqueous photocatalytic oxidation of deicing agents

Klauson, Deniss; Preis, Sergei International journal of photoenergy 2007 / [7] p

The influence of iron ions on the aqueous photocatalytic oxidation of de-icing agents

Klauson, Deniss; Preis, Sergei Book of abstracts : the 1st European Conference on Environmental Applications of Advanced Oxidation Processes : Crete, Chania, September 7-9, 2006 2006 / p. 61

The influence of iron ions on the aqueous photocatalytic oxidation of de-icing agents

Klauson, Deniss; Preis, Sergei Proceedings of the 1st European Conference on Environmental Applications of Advanced Oxidation Processes : Chania, Greece, September 7-9, 2006 2006 / ? p

The influence of iron ions on the efficiency of aqueous photocatalytic oxidation of organic pollutants

Klauson, Deniss; Portjanskaja, Elina; Kritševskaja, Marina; Katšina, Anna; Preis, Sergei; Kallas, Juha 6th European Meeting Environmental Chemistry : December 6-10, 2005, Belgrade, Serbia and Montenegro 2005 / p. 230

The missing link in the amyloid cascade of Alzheimer's disease - metal ions

Tiiman, Ann; Palumaa, Peep; Tõugu, Vello Neurochemistry international 2013 / p. 367-378 : ill

Амперометрический метод определения хлорид-ионов в селениде кадмия с платиновым вращающимся электродом

Piksarv, Aina; Hödrejārv, Helvi; Vaarmann, Aini Процессы и аппараты химической технологии и технология неорганических веществ. 5 1974 / с. 55-61 : илл https://www.ester.ee/record=b1531723*est <https://digikogu.taltech.ee/et/Item/438b60cb-3265-444e-adba-b3c2c222f12a>

Концентрирование микроколичеств фосфат-ионов на неорганических коллекторах

Arumeel, Edgar; Vilbok, Heinrich; Pets, Lydia Analītiskā ķīmija : Baltijas republiku, Baltkrievijas PSR un Kalīņingradas 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. 35 https://www.ester.ee/record=b2563176*est

О возможности определения хлорид-ионов в селениде кадмия амперометрическим титрованием

Piksarv, Aina; Hödrejārv, Helvi; Vaarmann, Aini Полупроводниковые материалы. 2 1972 / с. 125-131 : илл https://www.ester.ee/record=b1476073*est <https://digikogu.taltech.ee/et/Item/75bd57ba-4543-4614-ab7c-3230cb13e005>

Объемноаналитическое определение сульфат-иона в золе горючих сланцев ионообменным хроматографическим методом

Vilbok, Heinrich Сборник статей по химии и химической технологии. 10 1964 / с. 83-88 https://www.ester.ee/record=b2181961*est <https://digikogu.taltech.ee/et/Item/9569e6db-150a-42c8-bf3b-765725dfd969>

Определение микроколичества хлорид-ионов в халькогенидах кадмия ионоселективными электродами

Bitkova, I.; Kerm, Karin Машиностроение и механика : XXIV Студенческая научно-техническая конференция вузов прибалтийских республик, БССР и МССР : тезисы докладов. 4-7 апреля 1978 г. 1978 / с. 16

Определение сульфат-ионов в растениях методом амперометрического титрования

Vaarmann, Aini; Hödrejārv, Helvi Четвертая научная конференция по аналитической химии Прибалтийских республик, БССР и Калининградской области. Часть 1 : тезисы докладов 1982 / с. 37 https://www.ester.ee/record=b1265288*est

Определение фосфат-ионов методом потенциометрического титрования с применением ионселективного электрода

Põldme, Juta; Hrabetsi, A. Тезисы докладов 6. Всесоюзной конференции по фосфатам "Фосфаты-84". Ч. 3 1984 / с. 561-562

Определение хлорид-ионов в воде амперометрическим титрованием

Hödrejärv, Helvi; Piksarv, Aina; Vaarmann, Aini Материалы V Всесоюзного научного симпозиума по современным проблемам самоочищения и регулирования качества воды, Таллин, 18-21 ноября 1975 года. III секция, Гидрохимические аспекты самоочищения 1975 / с. 101-106 ; илл https://www.ester.ee/record=b1327837*est