

A review on the thermal stability of calcium apatites

Tõnsuaadu, Kaia; Gross, Karlis Agris; Pluduma, Liene; **Veiderma, Mihkel** Journal of thermal analysis and calorimetry 2012 / p. 647-659 : ill <https://ortus.rtu.lv/science/en/publications/14851>

A thermoanalytical study of synthetic carbonate-containing apatites

Tõnsuaadu, Kaia; Peld, Merike; Leskelä, Tuula; Mannonen, Risto; Niinistö, Lauri; **Veiderma, Mihkel** 14th Nordic Symposium on Thermal Analysis and Calorimetry, Oslo, 15-17 June 1994 : [abstracts] 1994 / I. P-14

A thermoanalytical study of synthetic carbonate-containing apatites

Tõnsuaadu, Kaia; Peld, Merike; Leskelä, T.; Mannonen, R.; Niinistö, L.; **Veiderma, Mihkel** Thermochimica acta 1995 / p. 55-65 <https://www.sciencedirect.com/science/article/abs/pii/0040603194021690>

Accelerated carbonation technology granulation of industrial waste : effects of mixture composition on product properties

Berber, Hakan; Tamm, Kadriann; **Leinus, Mari-Liis**; Kuusik, Rein, keemik; **Tõnsuaadu, Kaia**; Paaver, Peeter; **Uibu, Mai** Waste management & research 2020 / p. 142-155 <https://doi.org/10.1177/0734242X19886646> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aldehyde-free resins based on resorcinol and natural alkylresorcinols modified with styrene

Jurkevičute, Ana; Grigorieva, Larisa; **Tõnsuaadu, Kaia**; Yashicheva, Tamara Polymers / Composites / 3Bs Materials 2023 International Joint Conferences 22-24 February 2023 Bangkok, Thailand : Book of Abstracts 2023 / p. 43 : ill <https://setcor.org/userfiles/files/2023/Bangkok/Polymers-Composites-3BsMaterials-2023-Book-of-Abstracts.pdf>

Apatites based catalysts : a tentative classification

Gruselle, Michel; **Tõnsuaadu, Kaia**; Gredin, Patrick; Len, Christophe Molecular catalysis 2022 / art. 112146 <https://doi.org/10.1016/j.mcat.2022.112146> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of Differential Thermal Analysis for enthalpy evaluation of reactions during Copper Zinc Tin Selenide synthesis process

Leinemann, Inga; Kaljuvee, Tiit; **Tõnsuaadu, Kaia**; Öpik, Andres; **Altosaar, Mare**; **Meissner, Dieter** 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), 7-10 September 2011, Craiova, Romania : book of abstracts 2011 / p. 259

Application of peak fitting program "Galactic" for ftir-analysis of OH-ions in natural and synthetic apatites

Knubovets, Rena; **Veiderma, Mihkel**; **Tõnsuaadu, Kaia** XIVth International Conference on Phosphorus Chemistry : XIVth-ICPC : Cincinnati, Ohio USA, July 12-17, 1998 : meeting program and abstracts 1998 / p. P278 https://kirj.ee/wp-content/plugins/kirj/pub/chem-4-1998-163-174_20230209181450.pdf

Application of the peak fitting program "Galactic" for FTIR analysis of OH- ions in apatite

Knubovets, Rena; **Veiderma, Mihkel**; **Tõnsuaadu, Kaia** Proceedings of the Estonian Academy of Sciences. Chemistry 1998 / 4, p. 163-174

Application of the peak fitting programme "Galactic" for FTIR-analysis of OH-ions in natural and synthetic apatites

Knubovets, Rena; **Veiderma, Mihkel**; **Tõnsuaadu, Kaia** Phosphorus, sulphur, and silicon and the related elements 1999 / p. 415

Application of thermal analysis in the preparation and characterization of super conducting YBa₂(Cu_{1-x}Crx)₄O₈ oxides

Nenartaviciene, G.; **Tõnsuaadu, Kaia**; Jasaitis, D.; Beganskiene, Aldona; Kareiva, Aivaras ESTAC 9 : 9th European Symposium on Thermal Analysis and Calorimetry : 27-31 August 2006, Krakow, Poland : [book of abstracts] 2006 / p. 255

Aqueous and non-aqueous sol-gel synthesis routes for the preparation of calcium hydroxyapatite

Bogdanoviciene, Irma; Beganskiene, Aldona; **Tõnsuaadu, Kaia**; Kareiva, Aivaras Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 125

Au ja Ag nanoosakeste saamiseks kasutatavate lähteainete HAuCl₄·3H₂O ja AgNO₃ termilise lagunemise uurimine

Otto, Kairi; **Oja Acik, Ilona**; **Krunks, Malle**; **Tõnsuaadu, Kaia** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 55

Beneficiation of Estonian phosphate ore by flotatation [Online resource]

Tamm, Kadriann; Piir, Indrek; Kuusik, Rein, keemik; **Tõnsuaadu, Kaia** Beneficiation of Phosphates VIII : proceedings 2018 / [1] p. : ill http://dc.engconfintl.org/phosphates_viii/1/

Binding of SO₂ by synthetic substituted apatites

Tõnsuaadu, Kaia; Peld, Merike; **Bender, Villem**; **Veiderma, Mihkel** Journal of thermal analysis and calorimetry 1999 / Proceedings of the 7th European Symposium on Thermal Analysis and Calorimetry, ISBN 963-05-7629-5. Vol. 1, p. 35-42: ill <https://link.springer.com/article/10.1023/A:1010118905445>

Calcium fluor- and hydroxy-apatites modified or not as catalysts for C-C bond formation

Gruselle, Michel; **Kanger, Tõnis**; Flambard, Alexandrine; **Kriis, Kadri**; **Mikli, Valdek**; **Maaten, Birgit**; **Tõnsuaadu, Kaia**
International Conference Catalysis in Organic Synthesis ICCOS-2012 : September 15-20, 2012, Moscow, Russia : book of abstracts
2012 / p. 190

Calcium hydroxyapatite, Ca₁₀(PO₄)₆(OH)₂ ceramics prepared by aqueous sol-gel processing

Bogdanoviciene, Irma; Beganskiene, Aldona; **Tõnsuaadu, Kaia**; Glaser, Jochen; Meyer, H.-Jürgen; Kareiva, Aivaras Materials
research bulletin 2006 / p. 1754-1762 <https://www.sciencedirect.com/science/article/pii/S0025540806000778>

Calcium hydroxyapatites as efficient catalysts for the Michael C-C bond formation

Gruselle, Michel; **Kanger, Tõnis**; Thouvenot, Rene; Flambard, Alexandrine; **Kriis, Kadri**; **Mikli, Valdek**; **Traksmas, Rainer**; **Maaten, Birgit**; **Tõnsuaadu, Kaia** ACS catalysis 2011 / p. 1729-1733 : ill

Calcium phosphate/hydroxyapatite thin films prepared by an aqueous sol-gel method using dip-coating technique

Bogdanoviciene, Irma; Scit, Olga; **Tõnsuaadu, Kaia**; Raudonis, Rimantas; Beganskiene, Aldona; Ramanauskas, Rimantas; Kareiva, Aivaras 12th Conference of the European Ceramic Society (ECerS 2011), Stockholm, Sweden, 19-23 June 2011 2011 / [1 p.]

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

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

Cationic substitution effects in sol-gel derived Ca-phosphate bioceramics materials

Bogdanoviciene, Irma; Ezerskyte-Miseviciene, Akvile; **Traksmas, Rainer**; **Tõnsuaadu, Kaia**; Kareiva, Aivaras Chemistry and Chemical Technology 2015 : International Conference of Lithuanian Chemical Society : dedicated to Professor Vitas Daukšas on his 80th birth anniversary : Vilnius, Lithuania, January 23, 2015 : programme and proceedings of the international conference 2015 / p. 66-69 : ill

Cd²⁺ and Zn²⁺ sorption on apatite in the presence of EDTA and humic substance

Viipsi, Karin; Sjöberg, Staffan; **Tõnsuaadu, Kaia**; Shchukarev, Andrey Conference abstracts : 16th International Conference on Heavy Metals in the Environment : Rome, 23-27 September 2012 2012 <https://www.diva-portal.org/smash/get/diva2:1167261/FULLTEXT01.pdf>

Cd²⁺ and Zn²⁺ sorption on apatite in the presence of EDTA and humic substance

Viipsi, Karin; Sjöberg, Staffan; **Tõnsuaadu, Kaia**; Shchukarev, Andrey Proceedings of the 16th International Conference on Heavy Metals in the Environment : Rome, Italy, September 23-27, 2012 2013 / p. 01008-p.1-01008-p.4 : ill

Cd²⁺ and Zn²⁺ sorption on hydroxyapatite in the presence of EDTA in aqueous solution in equilibrium state

Viipsi, Karin; **Tõnsuaadu, Kaia** SETAC Europe 21st Annual Meeting Ecosystem Protection in a Sustainable World : a Challenge for Science and Regulation, Milan, 15-19 May 2011 : abstract book 2011 / p. 129-130

Cd²⁺ ja Mn²⁺ sidumine vesilahustest sünteetiliste fluorkarbonaatapatiididega = Removal of Cd²⁺ and Mn²⁺ ions from aqueous solutions by fluorcarbonateapatites

Tõnsuaadu, Kaia; **Peld, Merike**; **Veiderma, Mihkel**; **Bender, Villem** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 215-216
https://www.eester.ee/record=b1070511*est

Cd(II) ja Zn(II) eraldamine vesilahusest hüdroksüül- ja fluorapatiidiga EDTA juuresolekul

Viipsi, Karin; **Kaju, K.**; **Tõnsuaadu, Kaia**; Shchukarev, Andrey XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 110

Changes in phosphorite composition and properties during mechanical activation

Tõnsuaadu, Kaia; **Kaljuvee, Tiit**; Petkova, Vilma; **Traksmas, Rainer**; Kirsimäe, Kalle Researchers' Network on Phosphates : The Third International Conference on the Valorization of Phosphates and Phosphorus Compounds : COVAPHOS III : Marrakech, Morocco, March 18th-20th, 2009 : proceedings 2009 / p. 15-21

Changes in phosphorite composition and properties during mechanical activation

Petkova, Vilma; **Tõnsuaadu, Kaia**; **Kaljuvee, Tiit**; **Traksmas, Rainer** The Third International Conference on the Valorization of Phosphates and Phosphorus Compounds : COVA Phos 3 : Marrakech, Morocco, March 18th-20th, 2009 : abstracts 2009 / p. 186-188

Changes in the structure of carbonate apatite on calcination

Peld, Merike; **Tõnsuaadu, Kaia**; **Veiderma, Mihkel**; Koel, Mihkel; **Bender, Villem** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 112

Changes in the thermal behaviour of phosphorite sample from Toolse deposit (Estonia) along the drill-core

Kaljuvee, Tiit; **Tõnsuaadu, Kaia**; **Kallaste, Toivo**; **Hints, Rutt**; **Kivimäe, Eliise-Koidula**; Petkova, Vilma; **Trikkel, Andres** 7th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC7) : book of abstracts 2023 / p. 69

Characterization and changes in the thermal behavior of the phosphorite sample from Toolse deposit (Estonia) along the drill-core

Kaljuvee, Tiit; Tõnsuaadu, Kaia; Kallaste, Toivo; Graul, Sophie; Hints, Rutt; Kivimäe, Eliise-Koidula; Petkova, Vilma; Triikkel, Andres Journal of thermal analysis and calorimetry 2024 / p. 12651 - 12664 <https://doi.org/10.1007/s10973-024-13655-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chemistry at the surface New organic/mineral hybrid compounds: apatites as chiral ruthenium complexes support
Tõnsuaadu, Kaia Estonian Science Foundation 2006 2007 / p. 39 : phot

Chiral matrix effect of optically active oxalate-based networks: controlled helical conformation of an organic chromophore

Gruselle, Michel; Malezieux, Bernard; Tõnsuaadu, Kaia Tetrahedron: asymmetry 2004 / 19, p. 3103-3109 : ill <https://www.sciencedirect.com/science/article/pii/S0957416604006159>

Comparative analysis of the qualitative characteristics of formaldehyde and acetaldehyde resins based on styrene-modified oil shale alkylresorcinols

Jurkeviciute, Ana; Grigorieva, Larisa; Tõnsuaadu, Kaia; Blum, Kristina Materials research express 2023 / art. 035304, 14 p. : ill <https://doi.org/10.1088/2053-1591/acc0e1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative study of the thermal behavior of mechanoactivated natural carbonate substituted apatites from Africa (Tunisia), Europe (Bulgaria, Estonia), and Asia (Uzbekistan)

Petkova, Vilma; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Serafimova, E.; Dombalova, I.; Pelovski, Y. ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22-27, 2010, Rotterdam, The Netherlands : abstract book 2010 / p. 189

Composition and properties of the heating products of calcium phosphate-aluminosilicate mixtures

Tõnsuaadu, Kaia; Veiderma, Mihkel Phosphorus, sulfur and silicon and the related elements 1993 / p. 292

Composition and properties of the heating products of calcium phosphate-aluminosilicate mixtures

Tõnsuaadu, Kaia; Veiderma, Mihkel XIth International Conference on Phosphorus Chemistry : abstracts of posters, Toulouse, France, 1992 1992 / p. II-97

Composition and properties of the heating products of calcium phosphate-aluminosilicates mixtures

Tõnsuaadu, Kaia; Veiderma, Mihkel Proceedings of the Estonian Academy of Sciences. Chemistry 1992 / 4, p. 157-163

Composition and properties of thermophosphates from apatite and aluminosilicates

Tõnsuaadu, Kaia; Rimm, Karel; Veiderma, Mihkel Phosphorus, sulfur and silicon 1993 / p. 73-81: ill

Composition and properties of thermophosphates from apatite and aluminosilicates

Tõnsuaadu, Kaia; Rimm, Karel; Veiderma, Mihkel Phosphorus, sulfur and silicon and the related elements 1993

Consumption of Estonian phosphorite [Online resource]

Tamm, Kadriann; Kuusik, Rein; Keemik; Veiderma, Mihkel; Tõnsuaadu, Kaia Combined set of posters presented at ESPC3 2018 / [1] p. : ill <https://phosphorusplatform.eu/images/Conference/ESPC3/Outcomes/ESPC3-Posters-Combined-v2018-10-17-reduced.pdf>

Controlled nanocrystalline precipitation of hydroxyapatite on the surface of microfibrillated cellulose fibers

Kärner, Kärt; Elomaa, Matti Antero; Kallavus, Urve; Tõnsuaadu, Kaia International journal of recent scientific research 2017 / p. 20803-20809 : ill <http://recentscientific.com/sites/default/files/8807-A-2017.pdf>

Covalent modification of calcium hydroxyapatite surface by grafting phenyl phosphonate moieties

Aissa, Abdallah; Debbabi, Mongi; Gruselle, Michel; Thouvenot, Rene; Gredin, Patrick; Traksmäa, Rainer; Tõnsuaadu, Kaia Journal of solid state chemistry 2007 / 8, p. 2273-2278 <https://www.sciencedirect.com/science/article/pii/S0022459607002034>

Cu₂ZnSnSe₄ formation and reaction enthalpies in molten NaI starting from binary chalcogenides

Leinemann, Inga; Zhang, Weihao; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmäa, Rainer; Raudoja, Jaan; Grossberg, Maarja; Altosaar, Mare; Meissner, Dieter Journal of thermal analysis and calorimetry 2014 / p. 1313-1321 : ill <https://doi.org/10.1007/s10973-014-4102-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Cyclohexanohemicucurbit[8]uril inclusion complexes with heterocycles and selective extraction of sulfur compounds from water

Shalima, Tatsiana; Mishra, Kamini Atindrakumar; Kaabel, Sandra; Ustrnül, Lukas; Bartkova, Simona; Tõnsuaadu, Kaia; Heinmaa, Ivo; Aav, Riina Frontiers in chemistry 2021 / art. 786746, 8 p. : ill <https://doi.org/10.3389/fchem.2021.786746> [Journal metrics](#)

[at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dehydrations of $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$ and $\text{Mg}(\text{H}_2\text{PO}_4)_2 \cdot 2\text{H}_2\text{O}$ and their reactions with KCl, examined with simultaneous TG, DTA and EGA

Põldme, Meeme; Tõnsuaadu, Kaia; Paulik, F.; Paulik, J.; Arnold, M. Journal of thermal analysis : an international forum for communications on thermal investigations 1979 / p. 479-488

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](#)

Development of aspen bleached chemithermomechanical pulp towards nanostructure = Haava pleegitatud keemilis-termilise puitmassi töötlemine nanostruktuuride saamiseks

Kärner, Kärt 2018 <https://digi.lib.ttu.ee/i/29947> https://www.ester.ee/record=b5054961*est

Differential thermal analysis for estimation of the thermal stability of NPK fertilizers

Tõnsuaadu, Kaia; Viisimaa, Ludmilla Journal of thermal analysis 1991 / p. 927-934: ill <https://doi.org/10.1007/BF01932790>

Differential-thermal analysis for estimating the thermal stability of the NPK-fertilizers

Viisimaa, Ludmilla; Tõnsuaadu, Kaia Euroanalysis VII : European Conference on Analytical Chemistry, Vienna, Austria, August 26-31 1990 : book of abstracts. Vol. 2 1990 / p. B7 P-Fr-106

Dissolution kinetics of rare earth elements from Estonian phosphate rock using hydrochloric acid treatment

Azeez, Ruhany S.; Tõnsuaadu, Kaia; Einard, Marve; Kaljuvee, Tiit; Triikkel, Andres Minerals engineering 2025 / art. 109641 <https://doi.org/10.1016/j.mineng.2025.109641> <http://https://www.sciencedirect.com/science/article/pii/S0892687525004698>

Dissolution of rare earth elements from phosphate ore in hydrochloric acid

Hacalioglu-Erlenheim, Gizem; Tõnsuaadu, Kaia; Urtson, Kristjan; Kallaste, Toivo; Triikkel, Andres XIV International Mineral Processing and Recycling Conference : proceedings 2021 / p. 166-171 : ill https://imprc.tfbor.bg.ac.rs/download/IMPRC_2021_Proceedings.pdf

EDTA impact on Cd^{2+} migration in apatite-water system

Tõnsuaadu, Kaia; Viipsi, Karin; Triikkel, Andres; Viipsi, Karin Journal of hazardous materials 2008 / p. 491-497 : ill <https://www.sciencedirect.com/science/article/pii/S0304389407014999>

EDTA ja tsitraatioonide mõju Cd^{2+} ionide sidumisele apatiidiga

Tõnsuaadu, Kaia; Vatter, Karin; Peld, Merike; Mikli, Valdek XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 125

Eesti fosforiidi säästlik väärindamine : [RITA MAARE projekti aruanne]

2020 <https://fond.egt.ee/fond/egf/9405>

Effect of flotation time and collector dosage on Estonian phosphorite beneficiation

Tamm, Kadriann; Zadeh, Zeinab Arab; Kuusik, Rein, keemik; Kallas, Juha; Yang, Jason; Tõnsuaadu, Kaia; Triikkel, Andres Minerals 2021 / art. 114 <https://doi.org/10.3390/min11020114> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of fluoride and carbonate substitutions on apatites Cd^{2+} sorption capacity

Peld, Merike; Tõnsuaadu, Kaia; Bender, Villem; Veiderma, Mihkel Toxicological and environmental chemistry 2001 / p. 43-53 https://www.researchgate.net/publication/250894615_Effect_of_fluoride_and_carbonate_substitutions_on_apatites_Cd_sorption_capacity

Effect of precipitation conditions on the apatite structure

Tõnsuaadu, Kaia; Peld, Merike; Mikli, Valdek; Bender, Villem Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 122

Ehkki haruldasi muldmetalle otsitakse Lääne-Virumaalt, on neid tunduvalt enam Maardu fosforiidis

Tohver, Andres virumaateataja.postimees.ee 2023 [Ehkki haruldasi muldmetalle otsitakse Lääne-Virumaalt, on neid tunduvalt enam Maardu fosforiidis](#)

Elements distribution between solid and liquid phases in hydrochloric acid treatment of phosphate ore

Hacalioglu-Erlenheim, Gizem; Tõnsuaadu, Kaia; Urtson, Kristjan; Kallaste, Toivo; Triikkel, Andres GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 54 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Estonian phosphate rock dissolution in hydrochloric acid : optimization of acid dosage and concentration

Tõnsuaadu, Kaia; Kallas, Juha; Kallaste, Toivo; Urtson, Kristjan; Einard, Marve; Martin, Rasmus; Kuusik; Rein; Triikkel, Andres Minerals 2023 / art. 578 <https://doi.org/10.3390/min13040578> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of Estonian phosphate rock by flotation

Yang, Xiaosheng; **Tamm, Kadriann; Piir, Indrek; Kuusik, Rein, keemik; Triikkel, Andres; Tõnsuaadu, Kaia** Minerals engineering 2021 / art. 107127, 10 p. : ill <https://doi.org/10.1016/j.mineng.2021.107127> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evolved gas analysis of apatite materials using thermochromatography

Koel, Mihkel; **Kudrjašova, Marina; Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel** Thermochimica acta 1998 / 1, p. 25-32: ill

Fluorhydroxyapatites of Northern Europe and their thermal transformations

Veiderma, Mihkel; Knubovets, Rena; **Tõnsuaadu, Kaia** XIIIth International Conference on Phosphorus Chemistry - ICPC, Jerusalem, Israel, July 16-21, 1995 : abstracts 1995 / p. 83

Fluorhydroxyapatites of Northern Europe and their thermal transformations

Veiderma, Mihkel; Knubovets, Rena; **Tõnsuaadu, Kaia** Proceedings of the Thirteenth International Conference on Phosphorus Chemistry (XIIIth ICPC) held in Jerusalem, Israel, July 16-21, 1995. Part 1 1996 / p. 43-46

Formation of Ca-Zn-Na phosphate bioceramic material in thermal processing of EDTA sol-gel precursor

Bogdanoviciene, Irma; Cepenko, Marina; **Traksmas, Rainer;** Kareiva, Aivaras; **Tõnsuaadu, Kaia** Journal of Thermal Analysis and Calorimetry 2015 / p. 107-114 : ill <https://doi.org/10.1007/s10973-015-4507-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Formation of Ca-Zn-Na phosphate bioceramic material in thermal processing of EDTA sol-gel precursor

Bogdanoviciene, Irma; Cepenko, Marina; **Traksmas, Rainer;** Kareiva, Aivaras; **Tõnsuaadu, Kaia** ESTAC-11 : the 11th European Symposium on Thermal Analysis and Calorimetry : Dipoli Congress Center, Espoo, Finland, August 17-21, 2014 : abstracts 2014 / p. 190

Formation peculiarities of calcium hydroxyapatite $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$ during sol-gel processing [Electronic resource]

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia; Mikli, Valdek;** Grigoraviciute-Puroniene, Inga; Beganskiene, Aldona; Kareiva, Aivaras ECIS 2010 : 24th Conference of the European Colloid and Interface Society : September 5-10, Prague, Czech Republic 2010 / p. P.2.89 [CD-ROM]

FTIR and Raman spectroscopic studies of sulphate substituted apatites

Tõnsuaadu, Kaia; Villain, F.; **Peld, Merike;** Gruselle, M. The First International Conference on Advanced Vibrational Spectroscopy : ICAVS-1 : August 19-24, 2001, Turku, Finland : book of abstracts and program 2001 / p. P8.93

Hüdroksüülaptiidi lahustumine ja pinna komplekseerumine Cd^{2+} ja EDTA juuresolekul

Viipsi, Karin; Sjöberg, Staffan; **Tõnsuaadu, Kaia** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 83

Hydroxy- and fluorapatite as a sorbents in Cd(II) - Zn(II) multicomponent solution in the presence of EDTA

Viipsi, Karin; Tõnsuaadu, Kaia; Shchukarev, Andrey 6th ISMOM : International Symposium of Interactions of Soil Minerals with Organic Components and Microorganisms; 3rd InterCongress of Commission 2.5 IUSS Soil chemical, physical and biological interfacial reactions, 26th June - 1st July 2011, Montpellier, France : conference proceedings; book of abstracts 2011 / [1 p.] <https://www.sciencedirect.com/science/article/pii/S0304389413001507>

Hydroxy- and fluorapatite as sorbents in Cd(II) – Zn(II) multi-component solutions in the absence/presence of EDTA

Viipsi, Karin; Sjöberg, Staffan; **Tõnsuaadu, Kaia;** Shchukarev, Andrey Journal of hazardous materials 2013 / p. 91-98 : ill <https://doi.org/10.1016/j.jhazmat.2013.02.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydroxyapatite-based catalysts in organic synthesis

Gruselle, Michel; **Tõnsuaadu, Kaia;** Gredin, Patrick; Len, Christophe Design and applications of hydroxyapatite-based catalysts 2022 / chapter 10 <https://doi.org/10.1002/9783527830190.ch10>

Impact of anionic substitutions on apatite structure and properties

Veiderma, Mihkel; Tõnsuaadu, Kaia; Knubovets, Rena; Peld, Merike Journal of organometallic chemistry 2005 / 10, p. 2638-2643 : ill

Impact of anionic substitutions on apatite structure and properties

Veiderma, Mihkel; Tõnsuaadu, Kaia; Peld, Merike ICPC2004 : 16th International Conference on Phosphorus Chemistry : 4-9 July, Birmingham, UK : programme & abstracts 2004 / p. 66

Impact of chelating ions on Cd^{2+} 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. 80

Impact of EDTA and humic substance on the removal of Cd²⁺ and Zn²⁺ from aqueous solutions by apatite
Viipsi, Karin; Sjöberg, Staffan; **Tõnsuaadu, Kaia;** Shchukarev, Andrey Environment abstracts : seventh Annual International Conference on Environment : 14-17 May 2012, Athens, Greece 2012 / p. 85-86

Impact of EDTA and humic substances on the removal of Cd and Zn from aqueous solutions by apatite = EDTA ja humiinaine mõju Cd ja Zn eraldamisele vesilahusest apatiidiga
Viipsi, Karin 2012

Impact of high energy milled activation on the thermal properties of Bulgarian and Estonian natural apatites
Petkova, Vilma; Kostova, Bilyana; Serafimova, Ekaterina; **Kaljuvee, Tiit; Tõnsuaadu, Kaia;** Pelovski, Yoncho 2nd Journal of Thermal Analysis and Calorimetry Conference, Budapest, June 18–21, 2019 : book of abstracts 2019 / p. 480-481 <https://jtacc.itacc.akcongress.com/>

Impact of humic acid on Cd²⁺ ions sorption on apatite in aqueous solution
Viipsi, Karin; Tõnsuaadu, Kaia 12th Nordic-Baltic IHSS Symposium on Natural Organic Matter in Environment and Technology : Tallinn, Estonia, June 14-17, 2009 : program and abstracts 2009 / p. 92

Impact of mechanical activation on physical and chemical properties of phosphorite concentrates
Tõnsuaadu, Kaia; Kaljuvee, Tiit; Petkova, Vilma; **Traksmäe, Rainer; Bender, Villem;** Kirsimäe, Kalle International journal of mineral processing 2011 / p. 104-109

Impact of soluble humic substance on Cd²⁺ sorption on apatite in aqueous solutions
Viipsi, Karin; Tõnsuaadu, Kaia; Peld, Merike Chemistry and ecology 2010 / Suppl., p. 77-85 : ill

Impact of the carbonate substitution on HAP crystal lattice
Niitsoo, Jaanika; Kallaste, Toivo; Mikli, Valdek; Nemliher, Jüri; Tõnsuaadu, Kaia Researchers' Network on Phosphates : The Third International Conference on the Valorization of Phosphates and Phosphorus Compounds : COVAPHOS III : Marrakech, Morocco, March 18th-20th, 2009 : proceedings 2009 / p. 22-26

Impact of the carbonate substitution on HAP crystal lattice
Niitsoo, Jaanika; Kallaste, Toivo; Mikli, Valdek; Nemliher, Jüri; Tõnsuaadu, Kaia The Third International Conference on the Valorization of Phosphates and Phosphorus Compounds : COVA Phos 3 : Marrakech, Morocco, March 18th-20th, 2009 : abstracts 2009 / p. 189-192 : ill

Impact of wastewater components on phosphorus removal by oil shale ash in model systems
Tõnsuaadu, Kaia; Mõtlep, Riho; **Kivistik, Mart; Kuusik, Rein, keemik** Book of abstracts : 4th Sustainable Phosphorus Summit : Le Corum, Montpellier, France, 1-3 September 2014 2014 / [1] p

In2S3 kilede moodustumine pihustuspürolüüsi protsessis : termoaanalüütiline uuring
Otto, Kairi; Oja Acik, Ilona; Tõnsuaadu, Kaia; Krunks, Malle XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 70

Influence of gelation temperature on the properties of sol-gel-derived calcium hydroxyapatite ceramics
Bogdanoviciene, Irma; **Tõnsuaadu, Kaia;** Kareiva, Aivaras Polish journal of chemistry 2009 / p. 47-55 : ill
https://www.researchgate.net/publication/287549393_Influence_of_Gelation_Temperature_on_the_Properties_of_Sol-Gel-Derived_Calcium_Hydroxyapatite_Ceramics

Influence of heating conditions on the formation of sol-gel derived calcium hydroxyapatite
Bogdanoviciene, Irma; Beganskiene, Aldona; Kareiva, Aivaras; Juškėnas, Remigijus; Selskis, Algirdas; Ramanauskas, Rimantas; **Tõnsuaadu, Kaia; Mikli, Valdek** Chemija 2010 / 2/4, p. 98-105 : ill <http://mokslozurnalai.lmaleidykla.lt/publ/0235-7216/2010/2-4/98-105.pdf>

Influence of silicic acid and glauconite on thermal dehydration of Ca(H₂PO₄)₂·H₂O
Tõnsuaadu, Kaia Journal of thermal analysis 1990 / 5, p. 1785-1793

Influence of solution composition on sprayed ZnO nanorods properties and formation process: Thermoanalytical study of the precursors
Dedova, Tatjana; Oja Acik, Ilona; Polivtseva, Svetlana; Krunks, Malle; Gromõko, Inga; Tõnsuaadu, Kaia; Mere, Arvo Ceramics international 2019 / p. 2887-2892 : ill <https://doi.org/10.1016/j.ceramint.2018.07.274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of thermal processing on the structure of hydroxyapatite
Pluduma, L; Gross, K.A.; Borodajenko, N.; **Tõnsuaadu, Kaia;** Berzina-Cimdina, L. Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28-29, 2010, Riga, Latvia 2010 / p. 8

Interpretation of FTIR spectra of synthetic carbonate apatites

Tõnsuaadu, Kaia; Peld, Merike 18th International Conference on Phosphorus Chemistry : July 11-15th, 2010, Wroclaw, Poland : book of abstracts 2010 / p. 186 : ill

Kinetic studies of SO₂ interaction with apatite

Manuilova, Anastassia; Tõnsuaadu, Kaia; Veiderma, Mihkel Phosphorus research bulletin 2002 / p. 93-98 : ill

Kinetic studies of the SO₂ interaction with apatite

Manuilova, Anastassia; Tõnsuaadu, Kaia; Veiderma, Mihkel Fourth International Symposium on Inorganic Phosphate Materials, July 10-13, 2002, Jena - Germany : book of abstracts 2002 / p. 28

Lantaan-tartraat kompleksi sidumine apatiidiga

Tõnsuaadu, Kaia; Gruselle, Michel; Thouvenot, Rene; **Sikk, Merli;** Gredin, Patrick; Beaunier, Patricia; Aissa, Abdallah; Debabbi, Mongi XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 171-172

Low-temperature synthesis of ZnO layers assisted by chemical processes

Polivtseva, Svetlana; Dedova, Tatjana; Bereznev, Sergei; Kois, Julia; Tõnsuaadu, Kaia; Volobujeva, Olga; Juma, Albert Owino 12th European Symposium on Thermal Analysis and Calorimetry ESTAC 12 : 27-30 August 2018, Brasov, Romania : book of abstracts 2018 / PS1.016, p. 200 <http://estac12.org/download.php?f=../download/BoA%20ESTAC12.pdf>

Low-temperature transition of bioaragonite of Tapes decussatus linnaeus (mollusca: bivalvia) [Electronic resource]

Tõnsuaadu, Kaia; Nemliher, Jüri; Kallaste, Toivo 14th International Congress on Thermal Analysis and Calorimetry . VI Brazilian Congress on Thermal Analysis and Calorimetry : September 14-18, 2008, Sao Pedro, Brazil 2008 / p. C03 [CD-ROM]
<https://kirjandus.geoloogia.info/reference/30350>

Mechanism of reactions in mixtures of calcium polyphosphate with apatite and accompanying minerals during heating

Veiderma, Mihkel; Põldme, Meeme; Tõnsuaadu, Kaia; Utsal, Kalju Journal of thermal analysis : an international forum for communications on thermal investigations 1987 / p. 1093-1103 : ill https://www.ester.ee/record=b1524801*est

Modified calcium apatites as new catalysts in organic synthesis

Tõnsuaadu, Kaia; Gruselle, Michel; Moussa, Jamal; Villemmin, Didier; **Maaten, Birgit; Kanger, Tõnis** International Symposium on Inorganic and Environmental Materials 2013 : program and abstracts, October 27-31, 2013, Rennes, France 2013 / p. 277

Monitoring of the evolved gases by FTIR spectroscopy in apatite-ammonium sulfate thermal reactions

Tõnsuaadu, Kaia; Pelt, Jaan; **Borissova, Maria** ICTAC 13 : 13th International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12-19, 2004 : book of abstracts 2004 / p. 357

Monitoring of the evolved gases in apatite-ammonium sulfate thermal reactions

Tõnsuaadu, Kaia; Pelt, Jaan; **Borissova, Maria** Journal of thermal analysis and calorimetry 2005 / p. 655-658

Muutused karbonaatapatiitide struktuuris kuumutamisel

Peld, Merike; Tõnsuaadu, Kaia; Veiderma, Mihkel; Koel, Mihkel; **Bender, Villem** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 102

Naatriumi ja magneesiumi asendustega kaltsium-fluorkarbonaatapatiitide süntees : magistritöö

Peld, Merike 1995 https://www.ester.ee/record=b2078669*est

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

Nature of materials obtained by sorption of M²⁺ and M³⁺ metal ions on apatite surface

Tõnsuaadu, Kaia; Gruselle, Michel; Gredin, Patrick; **Viipsi, Karin; Mikli, Valdek;** Shchukarev, Andrey; Sjöberg, Staffan 19th International Conference on Phosphorus Chemistry : book of abstracts 2012 / p. 110

New aspects in Ru3+ sorption mechanism on apatites

Tõnsuaadu, Kaia; Gruselle, Michel; Villain, Francoise; **Peld, Merike; Mikli, Valdek; Traksmaa, Rainer** Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 121

A new glance at ruthenium sorption mechanism on hydroxy-, carbonate-, and fluor-apatites : analytical and structural studies

Tõnsuaadu, Kaia; Gruselle, M.; Villain, F.; Thouvenot, Rene; **Peld, Merike; Mikli, Valdek; Traksmaa, Rainer**; Grendin, P.; Carrier, X.; Shalles, L. Journal of colloid and interface science 2006 / 2, p. 283-291

A new perspective on fluorapatite dissolution in hydrochloric acid : thermodynamic calculations and experimental study

Tõnsuaadu, Kaia; Kallas, Juha; Kuusik, Rein, keemik; Hacialioglu-Erlenheim, Gizem; Triikkel, Andres Inorganics 2021 / art. 65, 11 p. : ill <https://doi.org/10.3390/inorganics9080065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Non-aldehyde resins based on resorcinol and natural alkylresorcinols modified with styrene

Jurkeviciute, Ana; Grigorieva, Larisa; Tõnsuaadu, Kaia; Yashicheva, Tamara; Bondarev, Dmitrij Materials research express 2023 / art. 105301 <https://doi.org/10.1088/2053-1591/acfd12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel bisphosphonate-based solid phase method for effective removal of chromium(III) from aqueous solutions and tannery effluents

Alanne, Aino-Liisa; Tuikka, Matti; **Tõnsuaadu, Kaia** RSC advances 2013 / p. 14132-14138 : ill <https://doi.org/10.1039/C3RA41501E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oleviku- ja tulevikumaavarade uuringud Eestis : RITA MAARE

Ainsaar, Leho; Menert, Anne; Lust, Enn; **Tõnsuaadu, Kaia**; Kirsimäe, Kalle Riigikogu Toimetised 2021 / lk. 69–78 : ill https://www.ester.ee/record=b1361123*est <https://rito.riigikogu.ee/wordpress/wp-content/uploads/2021/12/RiTo-44.pdf>

On the sol-gel preparation of calcium hydroxyapatite (Ca10(PO4)6(OH)2,HA)

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia; Mikli, Valdek**; Grigoraviciute, I.; Beganskiene, Aldona; Kareiva, Aivaras 9th National Lithuanian Conference "Chemija 2009" : Vilnius, October 16, 2009 : abstracts 2009 / [1] p. : ill

Optically active molecular magnets

Gruselle, Michel; Malezieux, Bernard; Guyard-Duhayon, Carine; Clement, Rene; Besnard, Sophie; Gredin, Patrick; **Tõnsuaadu, Kaia** The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 52

Peculiarities of the formation of calcium hydroxyapatite, Ca10(PO4)6(OH)2, at different heating conditions

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia; Mikli, Valdek**; Beganskiene, Aldona; Kareiva, Aivaras Abstract book : Chemistry and Technology of Inorganic Compounds : Kaunas, Lithuania, April 21, 2010 2010 / p. 12-13

pH impact on the sol-gel preparation of calcium hydroxyapatite, Ca10(PO4)6(OH)2, using a novel complexing agent, DCTA

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia; Mikli, Valdek**; Grigoraviciute-Puroniene, Inga; Beganskiene, Aldona; Kareiva, Aivaras Central European journal of chemistry 2010 / 6, p. 1323-1330 : ill <https://link.springer.com/article/10.2478/s11532-010-0113-0>

Physico-chemical transformations during heating of phosphorites

Kaljuvee, Tiit; Veiderma, Mihkel; Tõnsuaadu, Kaia; Vilbok, Heinrich Journal of thermal analysis : an international forum for communications on thermal investigations 1988 / p. 839-844 ; ill https://www.ester.ee/record=b1524801*est

Physico-chemical transformations during heating the phosphorites

Kaljuvee, Tiit; Veiderma, Mihkel; Tõnsuaadu, Kaia; Vilbok, Heinrich Fourth European symposium on thermal analysis and calorimetry, Aug. 23-28, 1987. Workbook. Supplement 1987

Pihustuspürolüüsi meetodil sadestatud CuInS2 kilede lähteainete termiline lagunemine

Mere, Arvo; Oja Acik, Ilona; Otto, Kairi; Krunks, Malle; Tõnsuaadu, Kaia XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 46

Precipitation of sodium and magnesium containing calcium-carbonate-fluorapatites

Peld, Merike; Tõnsuaadu, Kaia; Veiderma, Mihkel; Rimm, Karel Tallinna Tehnikaülikooli Toimetised 1994 / lk. 4-16: ill

Precursor for calcium hydroxyapatite : thermal analysis of xerogel prepared with DCTA as complexing agent

Stankeviciute, Z.; **Tõnsuaadu, Kaia; Bogdanoviciene, Irma**; Kareiva, Aivaras European Symposium on Biomaterials and related Areas : 23.-24. April 2013, Weimar, Germany : [conference abstracts] 2013 / [1] p

Preparation and characterization of superconducting YBa₂(Cu_{1-x}Cr_x)₄O₈ oxides by thermal analysis

Nenartaviciene, G.; Tõnsuaadu, Kaia; Jasaitis, D.; Beganskiene, Aldona; Kareiva, Aivaras Journal of thermal analysis and calorimetry 2007 / 1, p. 173-178 : ill

Purity test of precipitated apatites by TG/DTA/EGA-MS

Tõnsuaadu, Kaia; Bogdanoviciene, Irma; Traksmas, Rainer Book of abstracts : 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 27-30 August 2013, Vilnius, Lithuania 2013 / p. 232

Purity test of precipitated apatites by TG/DTA/EGA-MS

Tõnsuaadu, Kaia; Bogdanoviciene, Irma; Traksmas, Rainer Journal of thermal analysis and calorimetry 2016 / p. 919-925 : ill
<https://doi.org/10.1007/s10973-016-5447-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Põhja-Euroopa fluorhüdrosüapatiidid = Fluorhydroxyapatites of Northern Europe

Veiderma, Mihkel; Knubovets, Rena; Tõnsuaadu, Kaia XVII Eesti keemiapäevad : teaduskonverentsi ettekannete refereaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 223-224 https://www.ester.ee/record=b1070511*est

Reaction enthalpies of CZTSe synthesis in KI

Leinemann, Inga; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Altosaar, Mare Book of abstracts : 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 27-30 August 2013, Vilnius, Lithuania 2013 / p. 297

Reaction enthalpies of Cu₂ZnSnSe₄ synthesis in KI

Leinemann, Inga; Timmo, Kristi; Grossberg, Maarja; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmas, Rainer; Altosaar, Mare; Meissner, Dieter Journal of thermal analysis and calorimetry 2015 / p. 1555-1564 : ill <https://doi.org/10.1007/s10973-014-4339-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reaction enthalpies of the CZTSe synthesis in NaI

Leinemann, Inga; Zhang, Weihao; Kaljuvee, Tiit; Tõnsuaadu, Kaia; Altosaar, Mare Book of abstracts : 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 27-30 August 2013, Vilnius, Lithuania 2013 / p. 296

Reaction mechanism in mixtures of apatite and additional minerals with phosphoric acid at heating

Veiderma, Mihkel; Põldme, Meeme; Põldme, Jutta; Tõnsuaadu, Kaia International Conference on Phosphorus Chemistry at Duke University, Durham, North Carolina, June 1-5, 1981 : abstracts 1981 / p. [?]

Reaction mechanism in the mixtures of calcium polyphosphate with apatite and accompanying minerals on heating

Veiderma, Mihkel; Põldme, Meeme; Tõnsuaadu, Kaia Proceedings of the International Conference on Phosphorus Chemistry held in Bonn, FRG, 31. August - 06. September 1986. Part 2 1986 / p. 740 https://www.ester.ee/record=b4309301*est

Reaction mechanism in the mixtures of calcium polyphosphate with apatite and accompanying minerals on heating

Veiderma, Mihkel; Põldme, Meeme; Tõnsuaadu, Kaia Proceedings of the International Conference on Phosphorus Chemistry held in Bonn, FRG, 31. August - 06. September 1986. Abstracts on posters 1986 / p. A-94

Reactions in a system apatite - SO₂

Manuilova, Anastassia; Tõnsuaadu, Kaia Chemistry 2001 : 5th National Lithuanian Conference : Vilnius, September 27, 2001 : abstracts 2001 / p. 93

Removal of cadmium from aqueous solutions by sorption on natural apatites

Peld, Merike; Tõnsuaadu, Kaia; Bender, Villem; Veiderma, Mihkel 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 56

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

Sb₂S₃ thin films by ultrasonic spray pyrolysis of antimony ethyl xanthate

Eensalu, Jako Siim; Tõnsuaadu, Kaia; Oja Acik, Ilona; Krunks, Malle Materials science in semiconductor processing 2022 / art. 106209 : ill <https://doi.org/10.1016/j.mssp.2021.106209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Search for natural reagents for obtaining thermophosphates

Veiderma, Mihkel; Põldme, Meeme; Tõnsuaadu, Kaia; Knubovets, Rena Phosphorus research bulletin 1991 / p. 134-136

Search for natural reagents for obtaining thermophosphates

Veiderma, Mihkel; Põldme, Meeme; Tõnsuaadu, Kaia; Knubovets, Rena International Symposium on Inorganic Phosphate Materials, Tokyo, July 24-26 1991 : extended abstracts 1991 / p. 16

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

Peld, Merike; Tõnsuaadu, Kaia; Veiderma, Mihkel Third International Symposium on Inorganic Phosphate Materials : Villeneuve d'Ascq, France, September 14-16, 1999 : book of abstracts 1999 / p. P.2.19
https://www.researchgate.net/publication/286300497_SIMULTANEOUS_SORPTION_OF_Cd_AND_Zn_IONS_ON_SYNTHETIC_APATITES_FROM_AQUEOUS_SOLUTIONS

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

Sol-Gel approach to the calcium phosphate nanocomposites

Beganskiene, Aldona; Stankeviciute, Zivile; Malakauskaite, Milda; **Bogdanoviciene, Irma; Mikli, Valdek; Tõnsuaadu, Kaia;** Kareiva, Aivaras Nanostructured materials and nanotechnology VII : a collection of papers presented at the 37th International Conference on Advanced Ceramics and Composites, January 27-February 1, 2013, Daytona Beach, Florida 2014 / p. 3-14 : ill
<https://doi.org/10.1002/9781118807828.ch1> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Sol-Gel Approach to the Calcium Phosphate Nanocomposites : (ICACC-S7-P091-2013)

Beganskiene, Aldona; **Bogdanoviciene, Irma; Tõnsuaadu, Kaia** 37th International Conference and Exposition on Advanced Ceramics and Composites : abstracts book : January 27-February 1, 2013, Daytona Beach, Florida 2013 / p. 102

Sol-gel approach to the calcium phosphate nanocomposites [Electronic resource]

Beganskiene, Aldona; **Bogdanoviciene, Irma; Mikli, Valdek; Tõnsuaadu, Kaia** Proceedings of the 37th International Conference on Advanced Ceramics and Composites : January 27-February 1, 2013, Hilton Daytona Beach Resort and Ocean Center, Daytona Beach, Florida, USA 2013 / [10] p. : ill [CD-ROM]

Sol-gel chemistry approach in the preparation of precursors for the substituted superconducting oxides

Pleckis, G.; **Tõnsuaadu, Kaia;** Baubonyte, T.; Kareiva, Aivaras Journal of non-crystalline solids 2002 / p. 250-258
<https://www.sciencedirect.com/science/article/abs/pii/S0022309302013777>

Sol-gel derived single source precursors for rare-earth substituted superconducting oxides

Tõnsuaadu, Kaia; Baubonyte, T.; Beganskiene, Aldona; Jasaitis, D.; Kareiva, Aivaras Chemine technologija 2002 / 5, p. 12-16 : ill

Sol-gel preparation and characterization of yttrium gallium garnets

Leleckaite, Asta; Urbonaite, Sigita; **Tõnsuaadu, Kaia;** Kareiva, Aivaras The Fourth International Conference on Advanced Optical Materials and Devices : (AOMD-4) : Tartu, Estonia, July 6-9, 2004 : abstracts 2004 / p. 19

Sol-gel preparation of single-phase calcium hydroxyapatite

Bogdanoviciene, Irma; **Tõnsuaadu, Kaia;** Beganskiene, Aldona; Kareiva, Aivaras Konferencijos Chemija ir chemine technologija. Sekcijos Neorganiniu junginiu chemija ir technologija : pranešimu medžiaga 2006 / p. 18-19 : ill

Sol-gel synthesis and characterization of gadolinium stabilized ceria thin films on the different substrates

Abakeviciene, Brigita; Žalga, Arturas; Tamulevicius, Sigitas; Pilipavicius, Jurgis; Beganskiene, Aldona; **Tõnsuaadu, Kaia;** Kareiva, Aivaras 20th International Baltic Conference Materials Engineering 2011, October 27-28, Kaunas, Lithuania : book of abstracts 2011 / p. 10-11

Sol-Gel synthesis and characterization of Mg and Na subsituted calcium hydroxyapatite based bioceramic materials

Bogdanoviciene, Irma; Cepenko, Marina; **Traksmas, Rainer;** Kareiva, Aivaras; **Tõnsuaadu, Kaia** 26th Symposium and Annual Meeting of the International Society for Ceramics in Medicine (BIOCERAMICS 26) : final programme and abstracts book : Barcelona, 6/8 November 2014 2014 / p. 176

Sol-gel synthesis and characterization of Sr, Zn and Na subsituted CaHA based bioceramic materials

Bogdanoviciene, Irma; Traksmas, Rainer; Kareiva, Aivaras; **Tõnsuaadu, Kaia** 16th International Conference-School Advanced Materials and Technologies 2014 : Augus 27-31, Palanga, Lithuania 2014 / p. 102

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

Sorption and desorption of Cd²⁺ ions by synthetic apatites

Peld, Merike; Tõnsuaadu, Kaia; Bender, Villem Fourth International Symposium on Inorganic Phosphate Materials, July 10-13, 2002, Jena - Germany : book of abstracts 2002 / p. 57

Sorption of Cd(II), Cr(III) and Al(III) ions on apatite from aqueous solutions

Peld, Merike; Tõnsuaadu, Kaia; Bender, Villem First Baltic Symposium on Environmental Chemistry : 26-29 September 2001, Tartu, Estonia : abstracts 2001 / p. 137

Sorption of tartrate ions to lanthanum (III)-modified calcium fluor- and hydroxyapatite

Aissa, Abdallah; Debbabi, Mongi; **Tõnsuaadu, Kaia** Journal of colloid and interface science 2009 / p. 20-28 : ill

Structural analysis of apatite precipitated in the presence of proline

Tõnsuaadu, Kaia; Kallaste, Toivo; Mikli, Valdek; Mere, Arvo; Nemliher, Jüri 18th International Conference on Phosphorus Chemistry : July 11-15th, 2010, Wrocław, Poland : book of abstracts 2010 / p. 185

Structural properties of apatites from Finland studied by FTIR spectroscopy

Veiderma, Mihkel; Knubovets, Rena; Tõnsuaadu, Kaia Bulletin of the Geological Society of Finland 1998 / Parts 1-2, p. 69-75: ill

Structural studies of apatite

Tõnsuaadu, Kaia; Peld, Merike; Mikli, Valdek; Bender, Villem; Traksmäa, Rainer; Villani, F.; Gruselle, M. Nanopowders, Nanostructured Materials and Coatings : Network for Nanostructured Materials of ACC : March 17, 2005, Tallinn, Estonia : book of abstracts 2005 / p. 19-21

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

Studies on SO₄²⁻ ion incorporation into apatite structure

Tõnsuaadu, Kaia; Peld, Merike; Quarton, Michel; Bender, Villem; Veiderma, Mihkel Phosphorus, sulfur, and silicon and the related elements 2002 / 6/7, June-July, XVth International Conference on Phosphorus Chemistry (ICPC 15). Part I, p. 1873-1876

Study of thermal properties of synthetic resins based on oil shale alkylresorcinols

Jurkeviciute, Ana; Grigorieva, Larisa; Tõnsuaadu, Kaia Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 22 [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

Substituent effects on structural stability of apatites at calcination

Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem; Puz, Marina Phosphorus research bulletin 2002 / p. 89-92 : ill

Substituent effects on structural stability of apatites at calcination

Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem Fourth International Symposium on Inorganic Phosphate Materials, July 10-13, 2002, Jena - Germany : book of abstracts 2002 / p. 58

Substituted apatites as sorbents for heavy metals

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

Sulfaatapatiitide koostis ja omadused

Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem; Mikli, Valdek XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 182-183

A surface complexation and solubility study of hydroxyapatite in the presence of Cd(II) and EDTA

Viipsi, Karin; Tõnsuaadu, Kaia; Sjöberg, Staffan SETAC Europe : 20th Annual Meeting 23-27 May 2010, Seville, Spain : Science and Technology for Environmental Protection : abstract book 2010 / p. WE 454

Surface phase transformations, surface complexation and solubilities of hydroxyapatite in the absence/presence of Cd(II) and EDTA

Viipsi, Karin; Sjöberg, Staffan; Shchukarev, Andrey; Tõnsuaadu, Kaia Applied geochemistry 2012 / p. 15-21 : ill
<https://doi.org/10.1016/j.apgeochem.2011.08.010> <https://www.sciencedirect.com/science/article/pii/S0883292711003842>

Synergistic effects of fluorine and carbonate on Cd²⁺ binding properties of apatites

Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel Phosphorus, sulphur, and silicon and the related elements 1999 / p. 417

Synergistic effects of fluorine and carbonate on Cd²⁺ binding properties of apatites

Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel XIVth International Conference on Phosphorus Chemistry : XIVth-ICPC : Cincinnati, Ohio USA, July 12-17, 1998 : meeting program and abstracts 1998 / p. P279
<https://www.tandfonline.com/doi/abs/10.1080/10426509908053688>

Synthesis and characterization of Na and Mg containing carbonatefluorapatites

Peld, Merike; Tõnsuaadu, Kaia; Veiderma, Mihkel XIIIth International Conference on Phosphorus Chemistry - ICPC, Jerusalem, Israel, July 16-21, 1995 : abstracts 1995 / p. 96

Synthesis and characterization of Na and Mg containing carbonatefluorapatites

Peld, Merike; Tõnsuaadu, Kaia; Veiderma, Mihkel Proceedings of the Thirteenth International Conference on Phosphorus Chemistry (XIIIth ICPC) held in Jerusalem, Israel, July 16-21, 1995. Part 2 1996 / p. 5

Synthesis of anion and cation substituted apatites

Tõnsuaadu, Kaia; Peld, Merike; Traksmaa, Rainer; Mikli, Valdek Book of abstracts of the 8-th International Summer School-Conference : Advanced Materials and Technologies : Palanga, Lithuania, 27-31 August 2006 2006 / p. 86

Synthesis of bio-cation-substituted Ca-apatites by precipitation

Bogdanoviciene, Irma; Tõnsuaadu, Kaia; Traksmaa, Rainer; Kareiva, Aivaras Inorganic and environmental materials 2014 / p. 229-232 : ill <https://doi.org/10.4028/www.scientific.net/KEM.617.229> Conference proceedings at Scopus Article at Scopus

Synthesis of cationic substituted biomimic apatites by precipitation

Tõnsuaadu, Kaia; Bogdanoviciene, Irma; Traksmaa, Rainer; Kareiva, Aivaras International Symposium on Inorganic and Environmental Materials 2013 : program and abstracts, October 27-31, 2013, Rennes, France 2013 / p. 206

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

Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel 2nd International Symposium on Inorganic Phosphate Materials '96 Nagoya, September 4-6, 1996 : book of abstracts 1996 / p. 38

https://www.researchgate.net/publication/286300579_SYNTHESIS_OF_Mg_AND_Na_CONTAINING_CARBONATE-FLUORAPATITES_AND_THEIR_USE_FOR_THE_REMOVAL_OF_Cd2_AND_Mn2_IONS_FROM_SOLUTIONS

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

Synthesis of modified polycondensation resins based on oil shale individual alkylresorcinols and their mixtures

Jurkeviciute, Ana; Grigorieva, Larisa; Tõnsuaadu, Kaia; Blum, Kristina; Yashicheva, T.; Moskvina, K. Baltic polymer symposium 2022 : programme and abstracts 2022 / p. 54

Synthesis of modified resins based on resorcinol and oil shale alkylresorcinols : structure and properties =

Modifitseeritud vaikude süntees resortsinooli ja põlevkivi alküülresortsinoolide alusel : struktuur ja omadused

Jurkeviciute, Ana 2024 https://www.ester.ee/record=b5667168*est <https://digikogu.taltech.ee/et/Item/bccf3a68-0f32-44d8-966a-d5e25ae1dc26> <https://doi.org/10.23658/taltech.10/2024>

Synthetic cation and anion substituted apatites as sorbents for Cd²⁺ in Solutions

Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel; Bender, Villem First International Conference on Inorganic Materials : Synthesis, Characterisation, Properties and Applications of Inorganic Materials, 16-19 September 1998, Versailles, France : programme and abstracts 1998 / p. P45

TA-MS and FTIR study of Mg²⁺ and glycine modified Ca-hydroxyapatite

Bogdanoviciene, Irma; Tõnsuaadu, Kaia; Kaljuvee, Tiit; Traksmaa, Rainer; Kareiva, Aivaras 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 25-28 August 2015, Ljubljana, Slovenia : book of abstracts 2015 / p. 371

Temperature-induced changes in crystal lattice of bioaragonite of *Tapes decussatus linnaeus* (mollusca: Bivalvia)

Nemliher, Jüri; Tõnsuaadu, Kaia; Kallaste, Toivo Journal of thermal analysis and calorimetry 2009 / 1, p. 27-32 : ill

https://www.researchgate.net/publication/243958295_Temperature-induced_changes_in_crystal_lattice_of_bioaragonite_of_Tapes_decussatus_Linnaeus_Mollusca_Bivalvia

Temperatuuri mõju tasakaalule süsteemis apatiit - SO₂ (termodünaamilised arvutused)

Manuilova, Anastassia; Tõnsuaadu, Kaia XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 83-84

Termilised reaktsioonid apatiidi ja SO₂ vahel

Veiderma, Mihkel; Tõnsuaadu, Kaia; Bender, Villem XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 191-192

The effect of impurities on thermal dehydration of calcium dihydrogen phosphate

Põldme, Meeme; Põldme, Juta; Tõnsuaadu, Kaia Abstracts of papers International Conference on Phosphorus Chemistry '79 : Halle (Saale), September 17 -21, 1979 1979 / p. 209-210

The effect of substitutions in the structure of apatite on the sulphur oxide binding at calcination

Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem; Veiderma, Mihkel ESTAC-7 : 7th European Symposium on Thermal Analysis and Calorimetry, Aug. 30 - Sept. 4, 1998, Balatonfüred, Hungary : book of abstracts 1998 / p. 151

The effect of substitutions on Cd²⁺ sorption capacity of apatites

Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem; Veiderma, Mihkel First International Conference on Hydroxyapatite & Related Products : it's use in purification of biomolecules : Lyon - France, 23rd - 25th March 1999 : final programme 1999 / [1] p

Thermal analysis in studies of apatite structure

Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem ESTAC 8 : 8th European Symposium on Thermal Analysis and Calorimetry, Barcelona, Spain, August 25-29, 2002 : abstracts book 2002 / p. 28

Thermal analysis in studies of apatite structure

Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem Journal of thermal analysis and calorimetry 2003 / 1/2, ESTAC 8 : proceedings of the 8th European Symposium on Thermal Analysis and Calorimetry : Barcelona, Spain, August 25-29, 2002. Volume 1. ISBN 963-05-8043-8. p. 363-371 : ill

Thermal analysis of Israeli phosphorites

Tõnsuaadu, Kaia; Veiderma, Mihkel; Koel, Mihkel; Nathan, Yaacov Proceedings of the Estonian Academy of Sciences. Chemistry 2000 / 1, p. 44-52 https://artiklid.elnet.ee/record=b1003251*est

Thermal analysis of Israeli phosphorites with determination of the evolved gases

Tõnsuaadu, Kaia; Koel, Mihkel; Veiderma, Mihkel Journal of thermal analysis and calorimetry 2001 / Proceedings of the 12th International Congress on Thermal Analysis and Calorimetry : Copenhagen, Denmark, August 14-18, 2000. Volume III, Materials science geosciences, ISBN 963-05-7791-7, p. 1247-1255 : ill

Thermal analysis of synthetic biomimic apatites

Tõnsuaadu, Kaia; Peld, Merike; Mikli, Valdek; Traksmaa, Rainer 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), 7-10 September 2011, Craiova, Romania : book of abstracts 2011 / p. 260

Thermal analysis of xerogel for calcium hydroxyapatite thin films preparation

Stankeviciute, Z.; **Tõnsuaadu, Kaia; Bogdanoviciene, Irma; Kareiva, Aivaras** Book of abstracts of the 15th International Conference-School Advanced materials and technologies : 27-31 August 2013, Palanga, Lithuania 2013 / p. 128

Thermal analysis with determination of the evolved gases of Israel phosphorites

Tõnsuaadu, Kaia; Koel, Mihkel; Veiderma, Mihkel Programme and abstract book of 12th International Congress on Thermal Analysis and Calorimetry : August 14-18, 2000, Copenhagen, Denmark 2000 / p. 206
<https://link.springer.com/article/10.1023/A:1011565601000>

Thermal behavior of Estonian graptolite-argillite from different deposits

Kaljuvee, Tiit; Tõnsuaadu, Kaia; Einard, Marve; Mikli, Valdek; Kivimäe, Eliise-Koidula; Kallaste, Toivo; Triikkel, Andres Processes 2022 / art. 1986 <https://doi.org/10.3390/pr10101986> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal behaviour of Estonian phosphorites from different deposits

Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmaa, Rainer; Einard, Marve; Jefimova, Jekaterina; Petkova, Vilma 2nd Journal of Thermal Analysis and Calorimetry Conference, Budapest, June 18–21, 2019 : book of abstracts 2019 / p. 134-135 <https://jtac-jtacc.akcongress.com/>

Thermal behaviour of Estonian phosphorites from different deposits

Kaljuvee, Tiit; Tõnsuaadu, Kaia; Traksmaa, Rainer; Einard, Marve; Jefimova, Jekaterina; Petkova, Vilma Journal of thermal analysis and calorimetry 2020 / p. 437-449 <https://doi.org/10.1007/s10973-019-09056-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal behaviour of precursors for CuInS₂ thin films deposited by spray pyrolysis

Oja Acik, Ilona; Otto, Kairi; Krunk, Malle; Tõnsuaadu, Kaia; Mere, Arvo Journal of thermal analysis and calorimetry 2013 / p. 1455-1465 : ill <https://doi.org/10.1007/s10973-013-3155-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal decomposition of tris(O-ethylthiocarbonato)-antimony(III) - a single-source precursor for antimony sulfide thin films

Eensalu, Jako Siim; Tõnsuaadu, Kaia; Adamson, Jasper; Oja Acik, Ilona; Krunk, Malle Journal of thermal analysis and calorimetry 2022 / p. 4899-4913 : ill <https://doi.org/10.1007/s10973-021-10885-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal decomposition study of H₂AuCl₄·3H₂O and AgNO₃ as precursors for plasmonic metal nanoparticles

Otto, Kairi; Krunk, Malle; Oja Acik, Ilona; Tõnsuaadu, Kaia Book of abstracts : 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 27-30 August 2013, Vilnius, Lithuania 2013 / p. 298

Thermal decomposition study of H₂AuCl₄·3H₂O and AgNO₃ as precursors for plasmonic metal nanoparticles

Otto, Kairi; Oja Acik, Ilona; Krunk, Malle; Tõnsuaadu, Kaia; Mere, Arvo Journal of thermal analysis and calorimetry 2014 / p. 1065-1072 : ill <https://doi.org/10.1007/s10973-014-3814-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermal dehydration of the mixture of calcium dihydrogen phosphate and glauconite

Tõnsuaadu, Kaia; Veiderma, Mihkel XI. International Conference on Phosphorus Chemistry, Tallinn, USSR July 3-7, 1989 : abstracts of posters. II 1989 / [p. 90] https://www.ester.ee/record=b1209881*est

Thermal dehydration of the mixture of calcium dihydrogen phosphate and glauconite

Tõnsuaadu, Kaia; Veiderma, Mihkel Phosphorus, sulfur and silicon and the related elements 1990 / p. 443

Thermal interactions between apatites and SO₂

Veiderma, Mihkel; Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem 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. 256-261: ill

Thermal interactions between apatites and SO₂

Veiderma, Mihkel; Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem Third International Symposium on Inorganic Phosphate Materials : Villeneuve d'Ascq, France, Sept. 14-16, 1999 : book of abstracts 1999 / p. No. 0.2.10
https://www.researchgate.net/publication/286300928_THERMAL_INTERACTIONS_BETWEEN_APATITES_AND_SO2SUB

Thermal reactions in synthetic apatite-ammonium sulfate mixture

Tõnsuaadu, Kaia; Borissova, Maria; Bender, Villem; Pelt, Jaan Phosphorus, sulfur and silicon and the related elements 2004 / 11, p. 2395-2407

Thermal stability of synthesized carbonate apatites

Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel; Koel, Mihkel; Bender, Villem The French-Israeli Workshop on Apatites and Lasers : November 25-26, 1996, Jerusalem, Israel : scientific program and workshop abstracts 1996 / [1] p

Thermal transformations in systems based on natural apatites

Veiderma, Mihkel; Kaljuvee, Tiit; Knubovets, Rena; Põldme, Meeme; Tõnsuaadu, Kaia Phosphorus, sulfur and silicon and the related elements 1990 / p. 125-128

Thermal transformations in systems based on natural apatites

Veiderma, Mihkel; Kaljuvee, Tiit; Knubovets, Rena; Põldme, Meeme; Tõnsuaadu, Kaia XI. International Conference on Phosphorus Chemistry, Tallinn, USSR July 3-7 1989 : abstracts of lectures. I 1989 / [p. 137] https://www.ester.ee/record=b1209888*est

Thermische Entfluorierung von Apatit

Veiderma, Mihkel; Põldme, Meeme; Tõnsuaadu, Kaia Chemische Technik : wissenschaftliche Zeitschrift für Technik und Ökonomie der Chemieindustrie 1988 / S. 169-172 : ill https://www.ester.ee/record=b1475735*est

Thermoanalytical studies of titanium(IV) acetyl-acetonate xerogels with emphasis on evolved gas analysis

Oja Acik, Ilona; Madarasz, Janos; Krunks, Malle; Tõnsuaadu, Kaia; Janke, D.; Pokol, György; Niinistö, L. Journal of thermal analysis and calorimetry 2007 / p. 557-563 : ill <https://link.springer.com/content/pdf/10.1007/s10973-006-8064-6.pdf>

Thermoanalytical study of a precursor for CuInS₂ thin films deposited by chemical spray pyrolysis

Oja Acik, Ilona; Otto, Kairi; Tõnsuaadu, Kaia; Katerski, Atanas; Niinistö, L.; Krunks, Malle ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22-27, 2010, Rotterdam, The Netherlands : abstract book 2010 / p. 175

Thermoanalytical study of a precursor for In₂S₃ films by spray pyrolysis

Otto, Kairi; Oja Acik, Ilona; Tõnsuaadu, Kaia; Annert, Katre; Krunks, Malle ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22-27, 2010, Rotterdam, The Netherlands : abstract book 2010 / p. 181

Thermoanalytical study of acetylacetonate-modified titanium(IV)isopropoxide as a precursor for TiO₂ films

Krunks, Malle; Oja, Ilona; Tõnsuaadu, Kaia; Es-Souni, M.; Gruselle, M.; Niinistö, L. Journal of thermal analysis and calorimetry 2005 / p. 483-488 : ill <https://link.springer.com/article/10.1007/s10973-005-0681-y>

Thermoanalytical study of acetylacetone modified titanium(IV)isopropoxide as a precursor for TiO₂ films

Krunks, Malle; Oja, Ilona; Tõnsuaadu, Kaia; Es-Souni, M.; Gruselle, M.; Niinistö, L. ICTAC 13 : 13th International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12-19, 2004 : book of abstracts 2004 / p. 276 <https://link.springer.com/article/10.1007/s10973-005-0681-y>

Thermoanalytical study of precursors for In₂S₃ thin films deposited by spray pyrolysis

Otto, Kairi; Oja Acik, Ilona; Tõnsuaadu, Kaia; Mere, Arvo; Krunks, Malle Journal of thermal analysis and calorimetry 2011 / p. 615-623 : ill

Thermoanalytical study of precursors for SnS thin films deposited by chemical spray pyrolysis method

Polivtseva, Svetlana; Oja Acik, Ilona; Tõnsuaadu, Kaia; Mere, Arvo; Krunks, Malle ESTAC-11 : the 11th European Symposium on Thermal Analysis and Calorimetry : Dipoli Congress Center, Espoo, Finland, August 17-21, 2014 : abstracts 2014 / p. 86

Thermoanalytical study of precursors for tin sulfide thin films deposited by chemical spray pyrolysis

Polivtseva, Svetlana; Oja Acik, Ilona; Krunks, Malle; Tõnsuaadu, Kaia; Mere, Arvo Journal of thermal analysis and calorimetry 2015 / p. 177-185 : ill <https://doi.org/10.1007/s10973-015-4580-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermoanalytical study of the YSZ precursors prepared by aqueous sol-gel synthesis route

Tõnsuaadu, Kaia; Zalga, Arturas; Beganskiene, Aldona; Kareiva, Aivaras 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), 7-10 September 2011, Craiova, Romania : book of abstracts 2011 / p. 261 <https://link.springer.com/article/10.1007/s10973-011-2184-3>

Thermoanalytical study of the YSZ precursors prepared by aqueous sol-gel synthesis route

Tõnsuaadu, Kaia; Zalga, Arturas; Beganskiene, Aldona; Kareiva, Aivaras Journal of thermal analysis and calorimetry 2012 / p. 77-83 : ill https://www.researchgate.net/publication/257615627_Thermoanalytical_study_of_the_YSZ_precursors_prepared_by_aqueous_sol-gel_synthesis_route

Thermoanalytical study of titanium(IV) acetylacetonate xerogels

Oja Acik, Ilona; Madarasz, Janos; **Tõnsuaadu, Kaia; Krunks, Malle;** Pokol, György ESTAC 9 : 9th European Symposium on Thermal Analysis and Calorimetry : 27-31 August 2006, Krakow, Poland : [book of abstracts] 2006 / p. 328 <https://link.springer.com/article/10.1007/s10973-006-8064-6>

Thermochemical investigations of natural phosphate with ammonium sulphate additive

Petchova, V.; Pelovski, Y.; Dombalov, I.; **Tõnsuaadu, Kaia** ICTAC 13 : 13th International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12-19, 2004 : book of abstracts 2004 / p. P2-105A https://www.researchgate.net/publication/243957255_Thermochemical_investigations_of_natural_phosphate_with_ammonium_sulfate_additive

Thermochemical investigations of natural phosphate with ammonium sulphate additive

Petkova, Vilma; Pelovski, Y.; Dombalov, I.; **Tõnsuaadu, Kaia** Journal of thermal analysis and calorimetry 2005 / p. 701-708

Thermochemical reactions in the systems hydroxyapatite-aluminosilicate or shungite

Tõnsuaadu, Kaia; Rimm, Karel Eesti Teaduste Akadeemia Toimetised. Keemia 1994 / 4, lk. 137-145: ill

Thermochromatography for evolved gas analysis of apatite materials

Koel, Mihkel; **Kudrjašova, Marina; Tõnsuaadu, Kaia; Veiderma, Mihkel** Journal of chromatography A 1998 / 1/2, p. 75-83

Thermochromatography for evolved gas analysis of apatite materials

Kudrjašova, Marina; Tõnsuaadu, Kaia; Koel, Mihkel; **Veiderma, Mihkel** HTC5 : Fifth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, February 11-13, 1998, Brugge, Belgium : book of abstracts 1998 / p. F07 <https://www.sciencedirect.com/science/article/abs/pii/S0021967398004488>

Thermophosphate fertilizers from Siilinjärvi apatite

Veiderma, Mihkel; Tõnsuaadu, Kaia 1996 https://www.ester.ee/record=b1046944*est

Thermophosphates from Kovdor and Siilinjärvi apatites

Tõnsuaadu, Kaia 1995 http://www.ester.ee/record=b1067577*est

Thermophosphates on the basis of apatite and aluminosilicates

Veiderma, Mihkel; Tõnsuaadu, Kaia; Knubovets, Rena; **Einard, Marve; Peld, Merike** XIIth International Conference on Phosphorus Chemistry : abstracts of lectures, Toulouse, France, 1992 1992 / p. 20

Thermophosphates on the basis of apatite and aluminosilicates

Veiderma, Mihkel; Tõnsuaadu, Kaia; Knubovets, Rena; **Einard, Marve; Peld, Merike** Phosphorus, sulfur and silicon and the related elements 1993 / p. 187-190, 447-450

TiO₂ sool-geel meetodil : atsetüülatsetoniga stabiliseeritud titaan (IV) isoproksiidi termiline lagunemine

Oja, Ilona; Krunks, Malle; Tõnsuaadu, Kaia; Es-Souni, M.; Gruselle, M.; Niinistö, L. XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 74

Titanium(IV) acetylacetonate xerogels for processing titania films : a thermoanalytical study

Oja Acik, Ilona; Madarasz, Janos; **Krunks, Malle; Tõnsuaadu, Kaia;** Pokol, György; Niinistö, L. Journal of thermal analysis and calorimetry 2009 / 1, p. 39-45 : ill https://www.researchgate.net/publication/243958213_TitaniumIV_acetylacetonate_xerogels_for_processing_titania_films_AAA_thermoanalytical_study

Titanium(IV) acetylacetonate xerogels for processing titania films : structure and thermal analysis [Electronic resource]

Oja Acik, Ilona; Madarasz, Janos; Heinamaa, Ivo; **Pehk, Tõnis; Tõnsuaadu, Kaia; Krunks, Malle;** Pokol, György; Niinistö, Lauri 14th International Congress on Thermal Analysis and Calorimetry . VI Brazilian Congress on Thermal Analysis and Calorimetry : September 14-18, 2008, Sao Pedro, Brazil 2008 / p. OP-C06 [CD-ROM] <https://link.springer.com/article/10.1007/s10973-008-9647-1>

Tunable calcium-apatites as solid catalysts for classical organic reactions

Gruselle, Michel; Tõnsuaadu, Kaia Current organic chemistry 2017 / p. 688-697 : ill

<https://doi.org/10.2174/1385272821666161219155302> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Uued mineraal/orgaanilised ühendid: ruteeniumi kiraalsed kompleksid apatiitsel alusel : PARROT programmi projekt 2005-2006

Tõnsuaadu, Kaia Eesti Teadusfondi aastaraamat 2006 2007 / lk. 39 : fot

Ülevaade. Oleviku- ja tulevikumaavarade uuringud Eestis [Võrguväljaanne]

Ainsaar, Leho; Menert, Anne; Lust, Enn; Tõnsuaadu, Kaia; Kirsimäe, Kalle err.ee 2022 "[Ülevaade. Oleviku- ja tulevikumaavarade uuringud Eestis](#)"

Влияние примесных минералов на превращение ковдорского апатита при термическом воздействии

Veiderma, Mihkel; Knubovets, Rena; Terentjev, E.; Gnedenkova, V.; Tõnsuaadu, Kaia Технологическая минералогия фосфатных руд : Тезисы докладов всесоюзного совещания, 17-18 нояб. 1987 г., Люберцы 1987 / с. 79-80

Изследване на термичното разлагане на механоактивирани смеси от Естонски фосфорит и амониев сулфат

Петкова, В.; Tõnsuaadu, Kaia; Kuusik, Rein, keemik; Пеловски, Й.; Домбалов, И.; Петров, Л. Дванадесета научно-технологична сесия Контакт 2003 "Трибология и интердисциплинност" : Трибология 2003 : 30-31 октомври 2003, София 2003 / с. 111-116 : ил

Исследование реакций в системах $\text{CaF}_2\text{-Ca}(\text{PO}_4)_2/n$ и $\text{CaF}_2\text{-Cf}_2\text{P}_2\text{O}_7$ при нагревании

Kaljuvee, Tiit; Tõnsuaadu, Kaia II республиканская конференция молодых ученых-химиков, 17-19 мая 1977 г. : тезисы докладов. Часть 1 1977 / с. 99 https://www.ester.ee/record=b1308827*est

Исследование термических превращений в фосфоритах методом термогазотитриметрии

Kaljuvee, Tiit; Tõnsuaadu, Kaia; Vilbok, Heinrich; Veiderma, Mihkel Тезисы докладов Всесоюзной конференции "Фосфаты-87" 1987 / с. 597 https://www.ester.ee/record=b4415763*est

Комплексный анализ фосфатных покрытий и шламов

Tõnsuaadu, Kaia; Veiderma, Mihkel; Takkin, Rutt; Nemes, Katalin Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1989 / с. 135-138 : илл https://www.ester.ee/record=b1264984*est <https://www.etera.ee/zoom/18882/view?page=1&p=separate&tool=info>

Механизм реакций в смесях апатита и примесных минералов с фосфорной кислотой при нагревании

Veiderma, Mihkel; Põldme, Meeme; Põldme, Juta; Tõnsuaadu, Kaia XII Менделеевский съезд по общей и прикладной химии. №. 1. Неорганическая химия и технология неорганических веществ : рефераты докладов и сообщений 1981 / с. 19-20

Неорганическая химия и технология

Tõnsuaadu, Kaia; Aasamäe, Ernst; Veiderma, Mihkel; Viisimaa, Ludmilla; Ojaste, Ülle; Veskimäe, Helgi; Kuusik, Rein, keemik; Kaljuvee, Tiit; Vilbok, Heinrich; Hödrejärvi, Helvi; Ott, Roman; Kerm, Karin; Vaarmann, Aini; Help, Kalju; Pets, Lydia; Koncsik, I.; Lohonyai, Nándor; Schächter, Klára; Talimets, Ellen; Kallast, Vambola; Kübarsepp, Jakob 1986 https://www.ester.ee/record=b1476293*est

О взаимодействии фторида кальция с конденсированными фосфатами кальция

Põldme, Meeme; Põldme, Juta; Tõnsuaadu, Kaia; Kaljuvee, Tiit; Veiderma, Mihkel Физико-химическое исследование фосфатов: IV Всесоюзная конференция: тезисы докладов 1976 / с. 241-242

О взаимодействии фторида кальция с конденсированными фосфатфми кальция

Põldme, Meeme; Põldme, Juta; Tõnsuaadu, Kaia; Kaljuvee, Tiit; Veiderma, Mihkel Физикохимические исследования фосфатов : тезисы докладов IV Всесоюзной конференции 1976 / с- 241-242

О всаймодействии конденсированных фосфатов с ковдорским апатитом при нагревании

Tõnsuaadu, Kaia; Põldme, Meeme; Veiderma, Mihkel Тезисы докладов V всесоюзной конференции "Физико-химические исследования фосфатов" ("Фосфаты-81") : [В 2 ч.]. Ч. 2. 1981 / с. 394

О термической дегидратации смеси $\text{Ca}(\text{H}_2\text{OPO}_4)_2 \cdot \text{H}_2\text{O}$ $\text{CMg}(\text{H}_2\text{PO}_4)_2 \cdot 2\text{H}_2\text{O}$ с добавками хлорида калия и кремневой кислоты

Põldme, Meeme; Põldme, Juta; Tõnsuaadu, Kaia; Veiderma, Mihkel Журнал неорганической химии 1981 / с. 58-61 : илл https://www.ester.ee/record=b1443384*est

Особенности апатитового концентрата

Tõnsuaadu, Kaia; Põldme, Meeme; Veiderma, Mihkel Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1982 / с. 175-180

https://www.ester.ee/record=b1264984*est

Особенности выделения фтора при фосфорнокислотно-термической переработке природных фосфатов
Põldme, Meeme; Põldme, Jutta; Einard, Marve; Tõnsuaadu, Kaia Комплексная переработка фосфатного сырья, анализ природных и технических объектов 1983 / с. 39-43 : ил https://www.ester.ee/record=b1294037*est
<https://digikogu.taltech.ee/et/Item/ebe3de55-9448-4002-9aec-7e1ef9c57d96>

Особенности фосфорнокислотно-термической переработки ковдорского апатита
Tõnsuaadu, Kaia; Veiderma, Mihkel; Põldme, Meeme XIII Всесоюзная научная межвузовская конференция по технологии неорганических веществ и минеральных удобрений : тезисы докладов. Ч. 2 1985 / с. 99-100

Особенности фосфорнокислотно-термической переработки природных фосфатов различных месторождений СССР

Veiderma, Mihkel; Põldme, Meeme; Põldme, Jutta; Tõnsuaadu, Kaia Комплексная переработка фосфатного сырья, анализ природных и технических объектов 1983 / с. 3-9 https://www.ester.ee/record=b1294037*est <https://digikogu.taltech.ee/et/Item/ebe3de55-9448-4002-9aec-7e1ef9c57d96>

Особенности химизма фосфорнокислотно-термической переработки ковдорского апатитового концентрата
Tõnsuaadu, Kaia; Põldme, Meeme; Veiderma, Mihkel Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1982 / с. 175-180
https://www.ester.ee/record=b1264984*est

Плавокость и фазовый состав продуктов фосфорнокислотно-термической переработки ковдорского апатитового концентрата

Tõnsuaadu, Kaia; Veiderma, Mihkel; Põldme, Meeme Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1983 / с. 237-241 : илл
https://www.ester.ee/record=b1264984*est

Применение методов термогравиметрии и термогазотитриметрии для характеристики фосфатного сырья
Kaljuvee, Tiit; Tõnsuaadu, Kaia; Veiderma, Mihkel Пятая научная конференция по аналитической химии Прибалтийских республик, Белорусской ССР и Калининградской области, Вильнюс, 2-3 октября 1986 г. : тезисы докладов : [в 2-х частях] 1986 / с. 227 https://www.ester.ee/record=b1528661*est

Термические превращения в смесях дигидрофосфата кальция с кремневой кислотой и глауконитом
Tõnsuaadu, Kaia; Veiderma, Mihkel; Peld, Merike Известия АН Эстонии. Химия 1990 / 3, с. 171-174

Термические превращения в смесях полифосфата кальция с кальцитом и форстеритом
Tõnsuaadu, Kaia; Veiderma, Mihkel Известия Академии наук СССР. Неорганические материалы 1987 / с. 303-306 : рис
https://www.ester.ee/record=b1611497*est

Термические превращения в смесях полифосфата кальция с карбонатами
Tõnsuaadu, Kaia; Veiderma, Mihkel; Vilbok, Heinrich Тезисы докладов Всесоюзной конференции "Фосфаты-87" : [22-24 сентября 1987 г.] 1987 / с. 596 https://www.ester.ee/record=b4415763*est

Термические превращения в смесях полифосфата кальция с магнезитом и доломитом
Tõnsuaadu, Kaia; Veiderma, Mihkel Известия Академии наук СССР. Неорганические материалы 1989 / с. 107-110 : илл
https://www.ester.ee/record=b1611497*est

Термические превращения в фосфат-силикатных системах

Veiderma, Mihkel; Tõnsuaadu, Kaia; Peld, Merike Тезисы докладов Всесоюзного семинара Фосфатные материалы, Апатиты, 1990. Ч. 1 [Б.г.] / с. 13

Термический анализ $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$ и $\text{Mg}(\text{H}_2\text{PO}_4)_2 \cdot 2\text{H}_2\text{O}$ в присутствии различные примесей
Põldme, Meeme; Põldme, Jutta; Tõnsuaadu, Kaia Тезисы докладов седьмого Всесоюзного совещания. Т. 1 1979 / с. 169-170

Термический анализ нитрофоски

Viisimaa, Ludmilla; Tõnsuaadu, Kaia Исследования в области производства удобрений : межвузовский сборник научных трудов 1989 / с. 77-81 : ил https://www.ester.ee/record=b1980428*est

Термический анализ фосфорнокислотно-термической переработки ковдорского апатитового концентрата
Põldme, Meeme; Tõnsuaadu, Kaia; Trikkel, Andres Термический анализ : тезисы докладов VIII Всесоюзной конференции 1982 / с. 210-211 https://www.ester.ee/record=b1652706*est

Термотрибохимия на амониев сульфат

Петкова, В.; **Tõnsuaadu, Kaia**; Домбало, И.; Пеловски, Й.; Петров, Л. Дванадесета научно-технологична сесия Контакт 2003 "Трибология и интердисциплинност" : Трибология 2003 : 30-31 октомври 2003, София 2003 / с. 117-120 : ил

Термохимические превращения в смесях ковдорского апатита с фосфорной кислотой

Tõnsuaadu, Kaia; Põldme, Meeme; Veiderma, Mihkel Неорганические материалы 1983 / с. 978-981 : илл

https://www.ester.ee/record=b1611497*est

Физико-химический анализ процесса кислототермической переработки ковдорского апатита

Tõnsuaadu, Kaia; Põldme, Meeme; Veiderma, Mihkel VII Всесоюзное совещание по физико-химическому анализу, Фрунзе, 4

—6 октября 1988 г. : тезисы докладов 1988 / с. [608]

Фосфорнокислотно-термическая переработка ковдорского апатита : автореферат ... кандидата химических наук (05.17.01)

Tõnsuaadu, Kaia 1984 https://www.ester.ee/record=b1523281*est