

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>

Absorption of water in hydroxyapatites

Tamm, Toomas; **Peld, Merike** 11th International Conference on the Applications of Density Functional Theory in Chemistry and Physics 2005 / p. P247

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 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

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

Archaean phosphates: a case study of transformation processes in apatite from the Barberton greenstone belt

Birski, Łukasz; Slaby, Ewa; Wirth, Richard; Koch-Müller, M.; Simon, K.; Wudarska, Alicja; **Lepland, Aivo** Contributions to mineralogy and petrology 2019 / 25 p. : ill <https://doi.org/10.1007/s00410-019-1560-z> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Authigenesis of biomorphic apatite particles from Benguela upwelling zone sediments off Namibia: The role of organic matter in sedimentary apatite nucleation and growth

Mänd, Kaarel; Kirsimäe, Kalle; **Lepland, Aivo**; Lumiste, Kaarel Geobiology 2018 / p. 640-658 : ill <https://doi.org/10.1111/gbi.12309> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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>

Bioapatiit kui geokeemiline arhiiv : Eesti Teadusfondi projekt "Biogeense apatiidi erimite omadused nende moodustumise ja muutumise indikaatorina", 2002-2005

Puura, Ivar; **Nemliher, Jüri** Eesti Teadusfondi aastaraamat 2006 2007 / lk. 21-22

Bioapatite as a geochemical archive : "Properties of biogenic apatite varieties as indicators of their formation and alteration", ETF research project 2002-2005

Puura, Ivar; **Nemliher, Jüri** Estonian Science Foundation 2006 2007 / p. 21

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

Gruselle, Michel; **Kanger, Tõnis**; Thouvenot, Rene; Flambard, Alexandrine; **Kriis, Kadri**; **Mikli, Valdek**; **Traksmäa, Rainer**; **Maaten,**

Birgit; Tõnsuaadu, Kaia ACS catalysis 2011 / p. 1729-1733 : ill

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](#)

(Ca-Y)-phosphate inclusions in apatite crystals from Archean rocks from the Barberton Greenstone Belt and Pilbara Craton : First report of natural occurrence

Birski, Łukasz; Wirth, Richard; Slaby, Ewa; Wudarska, Alicja; **Lepland, Aivo** American mineralogist 2018 / p. 307–313 : ill <https://doi.org/10.2138/am-2018-6150> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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.ester.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 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

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

Chlorine isotope composition of apatite from the >3.7 Ga isua supracrustal belt, SW Greenland

Wudarska, Alicja; Slaby, Ewa; Wiedenbeck, Michael; Birski, Łukasz; Wirth, Richard; Götze, Jens; **Lepland, Aivo**; Kusebauch, Christof; Kocjan, Izabela Minerals 2020 / Art. 27 <https://doi.org/10.3390/min10010027> [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 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

Computational study of cation substitutions in apatites

Tamm, Toomas; Peld, Merike Journal of solid state chemistry 2006 / p. 1581-1587

Conodont bioapatite resembles vertebrate enamel by XRD properties

Nemliher, Jüri; Kallaste, Toivo Estonian journal of earth sciences 2012 / p. 191-192 https://artiklid.elnet.ee/record=b2533907*est

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.

Covalent modification of calcium hydroxyapatite surface by grafting phenyl phosphonate moities

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

Cu-modified hydroxy-apatite as catalyst for Glaser-Hay C-C homo-coupling reaction of terminal alkynes

Maaten, Birgit; Moussa, Jamal; Desmarets, Christophe; Gredin, Patrick; Beaunier, Patricia; **Kanger, Tõnis; Tõnsuaadu, Kaia**; Villemin, Didier; Gruselle, Michel Journal of molecular catalysis A : chemical 2014 / p. 112-116 : ill

Decomposition mechanism of hydroxyfluorapatite in phosphoric acid - thermal treatment

Põldme, Meeme; Raude, Urmas; Aruväli, Jaan; Utsal, Kalju XI. International Conference on Phosphorus Chemistry, Tallinn, USSR July 3-7, 1989 : abstracts of posters. II 1989 / [p.86] https://www.ester.ee/record=b1209881*est

Decomposition mechanism of xydroxyfluorapatite in phosphoric acid-thermal treatment

Põldme, Meeme; Raude, Urmas; Aruväli, J.; Utsal, K. Phosphorus, sulfur and silicon and the related elements 1990 / p. 441

Doctoral thesis on toxic metal removal by apatites

Viipsi, Karin Global TraPs : global transdisciplinary processes for sustainable phosphorus management (2010–2015) : newsletter 2012 / p. 3 : photo

Early diagenetic transformation stages revealed by micro-analytical studies of shelly phosphorites, Rakvere region

Graul, Sophie Jane Marie-Pascale Huguette; Kallaste, Toivo; Moilanen, Marko; **Ndiaye, Mawo; Hints, Rutt** Estonian journal of earth sciences 2023 / p. 34–37 : ill <https://doi.org/10.3176/earth.2023.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

EDTA impact on Cd²⁺ 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 tsitraatide mõju Cd²⁺ 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

Effect of fluoride and carbonate substitutions on apatites Cd²⁺ 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

Evolved gas analysis of apatite materials using thermochromatography

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

A first [delta]¹⁸O record from conodont apatite across the Lower Silurian Ireviken Event in Estonia

Lechnert, O.; **Männik, Peep**; Joachimski, Michael M.; Buggisch, W. The Seventh Baltic Stratigraphical Conference : 17-18 May 2008, Tallinn, Estonia : abstracts & field guide 2008 / p. 41

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

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

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](#)

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 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. 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 humiaine 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://itac-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 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

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 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
<https://ortus.rtu.lv/science/lv/publications/8627>

Inter-ion interactions in substituted apatites

Tamm, Toomas; **Peld, Merike** XIth International Congress of Quantum Chemistry : May 21-26, 2006, Kyoto, Japan : program and abstract 2006 / p. B064

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

Ion exchange and water absorption in fluoro- and hydroxyapatites

Tamm, Toomas EURESCO Conferences : a program of the European Science Foundation : Sant Feliu de Guixols (Spain), September 4-9, 2004 : Inorganic Chemistry EuroConference on New Theoretical and Spectroscopical Approaches to Inorganic Chemistry problems 2004 / p. 83

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

Kiruna apatite

Veiderma, Mihkel; Knubovets, Rena Scandinavian journal of metallurgy 1991 / p. 329-330

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

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](#)

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

Mineralogy of phanerozoic skeletal and sedimentary apatites : an XRD study

Nemliher, Jüri 1999 https://www.ester.ee/record=b1258640*est

Modified calcium apatites as new catalysts in organic synthesis

Tõnsuaadu, Kaia; Gruselle, Michel; Moussa, Jamal; Villemin, 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

A multifunctional strontium/silver-co-substituted hydroxyapatite derived from biogenic source as antibacterial biomaterial

Ressler, Antonia; Ivanković, Tomislav; Polak, Bruno; Ivanišević, Irena; Kovačić, Marin; Urlic, Inga; **Hussainova, Irina;** Ivanković, Hrvoje Ceramics International 2022 / p. 18361 - 18373 <https://doi.org/10.1016/j.ceramint.2022.03.095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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, Françoise; **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**; **Hacioglu-Erlenheim, Gizem**; **Trikkell, 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](#)

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

Oxygen isotope compositions of conodonts – analytical challenges of in situ SIMS studies

Wudarska, Alicja; Wiedenbeck, Michael; **Hints, Olle**; **Männik, Peep**; **Lepland, Aivo**; Joachimski, Michael M.; Couffignal, Frederic; Scicchitano, Maria Rosa; Wilke, Franziska D. H. Estonian journal of earth sciences 2023 / p. 166 <https://doi.org/10.3176/earth.2023.39>

Phase transformations in hydrothermal sintering processing of phosphate rock

Pöldme, Meeme 1994 http://www.ester.ee/record=b2089994*est

Phase transformations in hydrothermal sintering processing of phosphate rock

Pöldme, Meeme 1995 http://www.ester.ee/record=b1067223*est

Possible drill holes and pseudoborings in obolite shells from the Cambrian/Ordovician boundary beds of Estonia and the uppermost Cambrian of NW Russia

Vinn, Olev; Holmer, Lars E.; Wilson, Mark A.; Isakar, Mare; **Toom, Ursula** Historical Biology : An International Journal of Paleobiology 2021 / p. 3579-3584 <https://doi.org/10.1080/08912963.2021.1878355> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Powder XRD microstructural analysis of thermally treated synthetic fluor-hydroxylapatite

Kostov-Kytin, V.V.; Petkova, Vilma; **Kaljuvee, Tiit** Bulgarian chemical communications 2017 / p. 59–70 : ill <http://www.bcc.bas.bg/>

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

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

Tõnsuaadu, Kaia; **Bogdanoviciene, Irma**; **Traksmaa, 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](#)

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

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

Põhja-Euroopa fluorhüdrosüapatiidid = Fluorhydroxyapatites of Northern Europe

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

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

Veiderma, Mihkel; **Pöldme, Meeme**; **Pöldme, Juta**; **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; **Pöldme, 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

Redox fluctuations, trace metal enrichment and phosphogenesis in the ~2.0 Ga Zaonega Formation

Kipp, Michael A.; **Lepland, Aivo**; Buick, Roger Precambrian Research 2020 / Art. 105716

<https://doi.org/10.1016/j.precamres.2020.105716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The REE-composition and petrography of apatite in 2Ga Zaonega Formation, Russia: The environmental setting for phosphogenesis

Joosu, Lauri; **Lepland, Aivo**; Kirsimäe, Kalle; Romashkin, Alexander E.; Roberts, Nick M.W.; Martin, Adam P.; Črne, Alenka E.

Chemical Geology 2015 / p. 88-107 <https://doi.org/10.1016/j.chemgeo.2014.11.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

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 Mg and Na substituted 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 substituted CaHA based bioceramic materials

Bogdanoviciene, Irma; Traksmas, Rainer; Kareiva, Aivaras; **Tõnsuaadu, Kaia** 16th International Conference-School Advanced Materials and Technologies 2014 : August 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

<https://www.sciencedirect.com/science/article/pii/S0021979708013088>

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

Structure and properties of apatites

Veiderma, Mihkel; Knubovets, Rena Sino-Soviet Bilateral Symposium on Organophosphorus Chemistry : proceedings, Oct. 29-31, 1990, Shanghai, China 1990 / p. 184-188

Studies on SO₄²⁻ ion incorporation into apatite structure

Tõnsuaadu, Kaia; Peld, Merike; Querton, 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

Studies on SO₄²⁻ ion incorporation into apatite structure

Tõnsuaadu, Kaia; Peld, Merike; Querton, 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 thermochemistry and thermal processing of apatite

Veiderma, Mihkel Proceedings of the Estonian Academy of Sciences. Chemistry 2000 / 1, p. 5-18

https://artiklid.elnet.ee/record=b1003213*est

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 5th International Symposium on Inorganic Phosphate Materials '05 : 2nd IMPHOS Workshop : Kasugai, Japan, September 6-8, 2005 : book of abstracts 2005 / p. 68

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 and thermal transformations of Ca, Mg - carbonateapatite

Vilbok, Heinrich; Knubovets, Rena; **Veiderma, Mihkel** Proceedings of the Estonian Academy of Sciences. Chemistry 1992 / 2, p.

Synthesis and thermal transformations of Ca, Mg - carbonateapatite

Veiderma, Mihkel; Vilbok, Heinrich; Knubovets, Rena XIIIth International Conference on Phosphorus Chemistry : abstracts of posters, Toulouse, France, 1992 1992 / p. 11-95

Synthesis and thermal transformations of Ca-, Mg-carbonateapatite

Veiderma, Mihkel; Vilbok, Heinrich; Knubovets, Rena Phosphorus, sulfur and silicon and the related elements 1993 / p. 291

Synthesis and thermal transformations of Ca, Mg-carbonateapatite

Vilbok, Heinrich; Knubovets, Rena; **Veiderma, Mihkel** Eesti Teaduste Akadeemia Toimetised. Keemia 1992 / 2, lk. 45-51: ill

Synthesis of anion and cation substituted apatites

Tõnsuaadu, Kaia; Peld, Merike; Traksmäa, 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; Traksmäa, 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; Traksmäa, 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_CARBO-NATE-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

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

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 muutused katioonasendustega karbonaatapatiitides : 1994. a. : TTÜ-sisese uurimistoetuse aruanne, töö nr. KKA-G415

Peld, Merike 1994

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 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 synthetic biomimic apatites

Tõnsuaadu, Kaia; Peld, Merike; Mikli, Valdek; Traksmäa, 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 behaviour of bone apatite of Recent pike (*Esox lucius* L.)

Nemliher, Jüri; Kallaste, Toivo Proceedings of the Estonian Academy of Sciences. Geology 2005 / 2, p. 112-118 : ill

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

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

Transformation of calcium dihydrogenphosphate in mixtures with apatite concentrate upon heating

Põldme, Meeme; Põldme, Juta; Utsal, K. Phosphorus, sulfur and silicon and the related elements 1990 / p. 442

Transformation of calcium dihydrogenphosphate in mixtures with apatite concentrate upon heating

Põldme, Meeme; Põldme, Juta XI. International Conference on Phosphorus Chemistry, Tallinn, USSR July 3-7, 1989 : abstracts of posters. II 1989 / [p. 87] https://www.ester.ee/record=b1209881*est

Transformation of phases in hydrothermal sintering processing of phosphate rock

Põldme, Meeme Phosphorus research bulletin 1991 / p. 451-454

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

Unconventional resources of REE : challenges for exploration and processing, with the example of Estonian phosphorite

Graul, Sophie; Monchal, Vincent; Joosu, Lauri; **Hints, Rutt** Kliimast, geoloogiast, ringmajandusest ja ajaloost 2024 / lk. 12-14 : ill.

https://www.ester.ee/record=b5673955*est <https://kirjandus.geoloogia.info/reference/49111>

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

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

Анализ ковдорского апатитового концентрата рентгенодифракционным методом

Utsal, K.; Põldme, Meeme Комплексная переработка фосфатного сырья. Анализ природных и технических объектов 1989 / с. 19-23

Влияние водяного пара на обесфторивание ковдорского апатита при фосфорнокислотно-термической переработке

Põldme, Meeme; Põldme, Juta; Raude, Urmas; Otstavel, M. Комплексная переработка фосфатного сырья. Анализ природных и технических объектов 1989 / с. 12-18

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

Влияние соединений кремния на плавкость шихт из ковдорского апатита

Raude, Urmas; Põldme, Meeme Проблемы рационального использования фосфатного сырья и интенсификация технологических процессов : Тезисы докладов совещаний, 14-16 нояб. 1989 г., Черкассы 1989 / с. 53

Изотермы-изохроны разложения апатита с применением избытка серной кислоты

Rebane, Anne; Veiderma, Mihkel; Aasamäe, Ernst Всесоюзное совещание по фосфатам : тезисы 1-3 1971 / с. 400

Изотермы-изохроны разложения апатита серной кислотой

Veiderma, Mihkel; Rebane, Anne; Ravasoo, R.; Uusma, H. Процессы и аппараты химической технологии и технология неорганических веществ. 3 1972 / с. 87-96 : илл https://www.ester.ee/record=b1531312*est <https://digikogu.taltech.ee/et/Item/e448e56a-a020-4c7c-8723-e0214721d71b/>

Изучение процесса фосфорнокислотно-термической переработки ковдорского апатита в промышленности

Põldme, Meeme; Raude, Urmas X Всесоюзное совещание по термическому анализу : (Ужгород, сентябрь 1985 г.) : тезисы докладов 1985 / с. 289-290 https://www.ester.ee/record=b3798849*est

Исследование процесса фосфорнокислотно-термической переработки ковдорского апатита

Raude, Urmas II конференция молодых ученых химических факультетов РПИ и ЛГУ : тезисы докладов 1987 / с. 78 https://www.ester.ee/record=b2142137*est

Исследование процесса фосфорнокислотно-термической переработки ковдорского апатита по количественному минералогическому составу сырья и продуктов нагрева

Põldme, Meeme; Utsal, Kalju; Raude, Urmas Технологическая минералогия фосфатных руд : тезисы докладов всесоюзного совещания, 17-18 ноября 1987 г., Люберцы 1987 / с. 77-79

К вопросу о структурных превращениях апатитов при кислотно-термической обработке

Veiderma, Mihkel; Knubovets, Rena; Tšerenkova, G.; Pöldme, Meeme Тезисы докладов 6. Всесоюзной конференции по фосфатам "Фосфаты-84". Ч. 2 1984 / с. 373

Количественное определение апатита в рудах и в продуктах их термической переработки

Pöldme, Meeme; Utsal, Kalju; **Pöldme, Juta** Технологическая минералогия фосфатных руд : тезисы докладов всесоюзного совещания, 17-18 ноября 1987 г., Люберцы 1987 / с. 103-104

Кристаллохимия и некоторые свойства апатитов

Knubovets, Rena; **Veiderma, Mihkel** Физико-химические исследования мономерных и полимерных фосфатов 1987 / с. 36-52
https://www.ester.ee/record=b2072798*est

Математическая модель процесса обесфторивания фторапатита в псевдоожиженном слое

Rebane, Jüri Процессы и аппараты химической технологии и технология неорганических веществ. 5 1974 / с. 97-103 : илл
https://www.ester.ee/record=b1531723*est <https://digikogu.taltech.ee/et/Item/438b60cb-3265-444e-adba-b3c2c222f12a>

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

Veiderma, Mihkel; **Pöldme, Meeme**; **Pöldme, 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

О влиянии водяного пара на обесфторивание ковдорского апатита при термической переработке

Pöldme, Meeme; Ostavel, M. XIV Всесоюзная научно-техническая конференция по технологии неорганических веществ и минеральных удобрений (Львов, 25-27 мая 1988 г.). Ч. 2, Химия, технология соединений азота, фосфора и их применение : тезисы докладов 1988 / с. 122 https://www.ester.ee/record=b4437558*est

О взаимодействии конденсированных фосфатов с ковдорским апатитом при нагревании

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

О превращениях структуры гидроксидфторапатита при нагревании

Pöldme, Meeme; Aruväli, Jaan; Utsal, Kalju Тезисы докладов Всесоюзной конференции "Фосфаты-87" 1987 / с. 595
https://www.ester.ee/record=b4415763*est

О применении рентгенофазового анализа для исследования превращений апатита при нагревании

Aruväli, Jaan; **Pöldme, Meeme**; Utsal, Kalju Технологическая минералогия фосфатных руд : тезисы докладов всесоюзного совещания, 17-18 ноября 1987 г., Люберцы 1987 / с. 101-102

О термических превращениях в смесях фторкарбонат-apatита с фосфорной кислотой и пиритом

Pöldme, Meeme; **Pöldme, Juta**; **Veiderma, Mihkel**; Utsal, Kalju Всесоюзное совещание "Неорганические жаростойкие материалы, их применение и внедрение в народное хозяйство", 8-10 сент. 1982 г. : тезисы докладов. Ч. 2 1982 / с. 398-399

Об обесфторивании ковдорского апатита с двойным суперфосфатом при нагревании

Pöldme, Juta; Saarik, M. XIV Всесоюзная научно-техническая конференция по технологии неорганических веществ и минеральных удобрений (Львов, 25-27 мая 1988 г.). Ч. 2, Химия, технология соединений азота, фосфора и их применение : тезисы докладов 1988 / с. 124 https://www.ester.ee/record=b4437558*est

Об усвояемости продуктов термической переработки Ковдорского апатита

Raude, Urmas; **Pöldme, Meeme**; **Pöldme, Juta** Тезисы докладов Всесоюзного семинара Фосфатные материалы. Ч. 2 1990 / с. 162

Обесфторивание ковдорского апатита с добавкой дигидрофосфата кальция при нагревании

Pöldme, Juta; Saarik, M. Комплексная переработка фосфатного сырья. Анализ природных и технических объектов 1989 / с. 3-11

Обесфторивание фторапатита в псевдоожиженном слое

Aarna, Olav; **Kallas, Juha**; **Kracht, Wilhelm**; Sidoruk, A. Процессы и аппараты химической технологии и технология неорганических веществ. 4 1973 / с. 51-58 https://www.ester.ee/record=b1386707*est <https://digikogu.taltech.ee/et/Item/72e7c5b1-8453-41a6-9821-41853b98368d>

Образование трикальцийфосфата при фосфорнокислотно-термической переработке ковдорского апатитового концентрата

Pöldme, Meeme; **Pöldme, Juta**; **Raude, Urmas**; Utsal, Kalju; Aruväli, Jaan Тезисы докладов Всесоюзной конференции "Фосфаты-87" 1987 / с. 594 https://www.ester.ee/record=b4415763*est

Опыт применения методов растровой и просвечивающей электронной микроскопии в исследованиях природного апатита

Pöldme, Meeme; **Kallavus, Urve**; **Meiler, Boriss** Технологическая минералогия фосфатных руд : тезисы докладов

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 миграции фтора при фосфорнокислотно-термической переработки ковдорского апатита

Põldme, Meeme; Raude, Urmas; Utsal, K. XIV Всесоюзная научно-техническая конференция по технологии неорганических веществ и минеральных удобрений (Львов, 25-27 мая 1988 г.). Ч. 2, Химия, технология соединений азота, фосфора и их применение : тезисы докладов 1988 / с. 123 https://www.ester.ee/record=b4437558*est

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 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

Структурные превращения апатита при кислотнo-термической обработке

Veiderma, Mihkel; Knubovets, Rena; Tšerenkova, G.; **Põldme, Meeme;** Terentjev, E. Неорганические материалы 1987 / с. 123-126 : илл https://www.ester.ee/record=b1611497*est

Суперфосфат из смеси апатита и эстонского фосфорита

Veiderma, Mihkel; Boldina, V. Промышленность минеральных удобрений и серной кислоты 1971 / с. 3-7

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

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

Фазовые превращения $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$ и $\text{Mg}(\text{H}_2\text{PO}_4)_2 \cdot 2\text{H}_2\text{O}$ при нагревании их в смеси с апатитовым концентратом

Põldme, Meeme; Põldme, Juta; Utsal, Kalju VII Всесоюзное совещание по физико-химическому анализу, Фрунзе, 4—6 октября 1988 г. : тезисы докладов 1988 / с. 607

Фазовые превращения в процессе фосфорнокислотно-термической переработки ковдорского апатита

Põldme, Meeme; Põldme, Juta; Utsal, Kalju; **Raude, Urmas** Исследования в области производства удобрений : межвузовский сборник научных трудов 1989 / с. 60-66 : ил https://www.ester.ee/record=b1980428*est

Физико-химический анализ процесса кислотнoтермической 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

Химизм фосфорнокислотно-термической переработки кольского апатитового концентрата

Põldme, Juta; Põldme, Meeme; Veiderma, Mihkel Журнал неорганической химии 1979 / с. 1795-1800 : илл
https://www.ester.ee/record=b1443384*est