

### 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, T.; Mannonen, R.; Niinistö, L.; Veiderma, Mihkel Thermochimica acta 1995 / p. 55-65 <https://www.sciencedirect.com/science/article/abs/pii/004060319402169O>

### 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

### 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](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

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

Birska, Łukasz; Słaby, 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 SO<sub>2</sub> 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 hydroxyapatites as efficient catalysts for the Michael C-C bond formation

Gruselle, Michel; Kanger, Tõnis; Thouvenot, Rene; Flambard, Alexandrine; Kriis, Kadri; Mikli, Valdek; Traksmaa, 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; Ślaby, 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

**Cd<sup>2+</sup> and Zn<sup>2+</sup> sorption on apatite in the presence of EDTA and humic substance**

Viipsi, Karin; Sjöberg, Staffan; **Tönsuaadu, 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>

**Cd<sup>2+</sup> and Zn<sup>2+</sup> sorption on apatite in the presence of EDTA and humic substance**

Viipsi, Karin; Sjöberg, Staffan; **Tönsuaadu, 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

**Cd<sup>2+</sup> and Zn<sup>2+</sup> sorption on hydroxyapatite in the presence of EDTA in aqueous solution in equilibrium state**

Viipsi, Karin; **Tönsuaadu, 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

**Cd<sup>2+</sup> ja Mn<sup>2+</sup> sidumine vesilahustest sünteetiliste fluorkarboonatapatitiidega = Removal of Cd<sup>2+</sup> and Mn<sup>2+</sup> ions from aqueous solutions by fluorcarbonateapatites**

**Tönsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel; Bender, Villem** XVII Eesti keemipäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 215-216  
[https://www.esther.ee/record=b1070511\\*est](https://www.esther.ee/record=b1070511*est)

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

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

**Changes in the structure of carbonate apatite on calcination**

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

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

Wudarska, Alicja; Ślaby, 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; Tönsuaadu, Kaia**; Serafimova, E.; Dombalova, I.; Pelovski, Y. ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22-27, 2010, Rotterdam, The Netherland : abstract book 2010 / p. 189

**Composition and properties of thermophosphates from apatite and aluminosilicates**

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

**Composition and properties of thermophosphates from apatite and alumosilicates**

**Tönsuaadu, 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](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; **Tönsuaadu, 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; Traksmaa, Rainer; **Tönsuaadu, 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; Desmarests, Christophe; Gredin, Patrick; Beaunier, Patricia; **Kanger, Tõnis; Tönsuaadu, 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**

Pöldme, Meeme; Raude, Urmas; Aruväli, Jaan; Utsal, Kalju XI. International Conference on Phosphorus Chemistry, Tallinn, USSR

**Decomposition mechanism of hydroxyfluorapatite in phosphoric acid-thermal treatment**

Pöldme, 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 Cd<sup>2+</sup> migration in apatite-water system**

Tönsuaadu, Kaia; Viipsi, Karin; Trikkel, 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<sup>2+</sup> ionicide sidumisele apatiidiga**

Tönsuaadu, 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 Cd<sup>2+</sup> sorption capacity**

Peld, Merike; Tönsuaadu, 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](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**

Tönsuaadu, 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; Kudrjašova, Marina; Tönsuaadu, 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**

Lechner, 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; Tönsuaadu, 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; Tönsuaadu, 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**

Tönsuaadu, 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 sorbents in Cd(II)-Zn(II) multi-component solutions in the absence/presence of EDTA**

Viipsi, Karin; Sjöberg, Staffan; Tönsuaadu, 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; Tönsuaadu, 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; Tönsuaadu, 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<sup>2+</sup> sorption with apatites**

Tönsuaadu, 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 Cd<sup>2+</sup> and Zn<sup>2+</sup> 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://jtac-itacc.akcongress.com/>

**Impact of humic acid on Cd<sup>2+</sup> 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 Cd<sup>2+</sup> 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](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/v/publications/8627>

**Inter-ion interactions in substituted apatites**  
Tamm, Toomas; **Peld, Merike** Xllth 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 SO<sub>2</sub> interaction with apatite**  
Manuilova, Anastassia; **Tõnsuaadu, Kaia; Veiderma, Mihkel** Phosphorus research bulletin 2002 / p. 93-98 : ill

**Kinetic studies of the SO<sub>2</sub> 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 keemiateadus : 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, Anamarja; 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

**Mechanism of reactions in mixtures of calcium polyphosphate with apatite and accompanying minerals during heating**  
**Veiderma, Mihkel; Pöldme, Meeme; Tönsuaadu, Kaia; Utsal, Kalju** Journal of thermal analysis : an international forum for communications on thermal investigations 1987 / p. 1093-1103 : ill [https://www.esther.ee/record=b1524801\\*est](https://www.esther.ee/record=b1524801*est)

**Mineralogy of phanerozoic skeletal and sedimentary apatites : an XRD study**  
Nemliher, Jüri 1999 [https://www.esther.ee/record=b1258640\\*est](https://www.esther.ee/record=b1258640*est)

**Modified calcium apatites as new catalysts in organic synthesis**

Tönsuaadu, 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**

Tönsuaadu, 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**

Tönsuaadu, 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; Urlić, 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; Tönsuaadu, Kaia; Veiderma, Mihkel; Bender, Villem XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 102

**Naatriumi ja magneesiumi asendustega kaltsium-fluorkarbonaatapatiitide süntees : magistrītōö**

Peld, Merike 1995 [https://www.esther.ee/record=b2078669\\*est](https://www.esther.ee/record=b2078669*est)

**Natural and synthetic apatites as sorbents for Cd<sup>2+</sup> and Cr<sup>3+</sup> ions from aqueous solutions**

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

**Natural and synthetic apatites as sorbents for Cd<sup>2+</sup> ions from aqueous solutions**

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

**Natural and synthetic apatites as sorbents for Cd<sup>2+</sup> ions from aqueous solutions**

Peld, Merike; Tönsuaadu, Kaia; Bender, Villem XV<sup>th</sup> 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 M<sup>2+</sup> and M<sup>3+</sup> metal ions on apatite surface**

Tönsuaadu, 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 Ru<sup>3+</sup> sorption mechanism on apatites**

Tönsuaadu, 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 fluorapatites : analytical and structural studies**

Tönsuaadu, 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**

Tönsuaadu, Kaia; Kallas, Juha; Kuusik, Rein, keemik; Hacialioglu-Erlenheim, Gizem; Trikkel, 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 (Ca<sub>10</sub>(PO<sub>4</sub>)<sub>6</sub>(OH)<sub>2</sub>,HA)**

Bogdanoviciene, Irma; Tönsuaadu, 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.esther.ee/record=b2089994\\*est](http://www.esther.ee/record=b2089994*est)

## Phase transformations in hydrothermal sintering processing of phosphate rock

Pöldme, Meeme 1995 [http://www.esther.ee/record=b1067223\\*est](http://www.esther.ee/record=b1067223*est)

## Possible drill holes and pseudoborings in obolid 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

Stankevičiūtė, Z.; **Tõnsuaadu, Kaia; Bogdanovičiūtė, 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; Bogdanovičiūtė, 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

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

Tõnsuaadu, Kaia; Bogdanovičiūtė, 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](#)

## Põhja-Euroopa fluorhüdroksüpatiigid = Fluorhydroxyapatites of Northern Europe

Veiderma, Mihkel; Knubovets, Rena; **Tõnsuaadu, Kaia** XVII Eesti keemiateaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 223-224 [https://www.esther.ee/record=b1070511\\*est](https://www.esther.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.esther.ee/record=b4309301\\*est](https://www.esther.ee/record=b4309301*est)

## 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. Abstracts on posters 1986 / p. A-94

## Reactions in a system apatite - SO<sub>2</sub>

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>

## 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

**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\\_ZnIONS\\_ON\\_SYNTHETIC\\_APATITES\\_FROM\\_AQUEOUS\\_SOLUTIONS](https://www.researchgate.net/publication/286300497_SIMULTANEOUS_SORPTION_OF_Cd_AND_ZnIONS_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 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; Traksmaa, 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; Traksmaa, 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 Cd<sup>2+</sup> and Zn<sup>2+</sup> 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 Cd<sup>2+</sup> 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, Wroclaw, 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; Traksmaa, Rainer; Villani, F.; Gruselle, M.** Nanopowders, Nanostuctured 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 SO<sub>4</sub>2- 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 SO<sub>4</sub>2- 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

**Studies on thermochemistry and thermal processing of apatite**

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

**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.estet.ee/record=b1994280\\*est](https://www.estet.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 Cd<sup>2+</sup> 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 Cd<sup>2+</sup> 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/10.1080/1042650908053688>

**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**

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**

Vilbok, Heinrich; Knubovets, Rena; Veiderma, Mihkel Proceedings of the Estonian Academy of Sciences. Chemistry 1992 / 2, p. 45-51

**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; 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**

Bogdanovicene, Irma; Tõnsuaadu, Kaia; Traksmaa, Rainer; Kareiva, Aivaras Inorganic and environmental materials 2014 / p.

**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 Cd<sup>2+</sup> and Mn<sup>2+</sup> 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](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 Cd<sup>2+</sup> and Mn<sup>2+</sup> 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 Cd<sup>2+</sup> 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 - SO<sub>2</sub> (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 karbonaatapatiitiides : 1994. a. : TTÜ-sisesse uurimistoetuse aruanne, töö nr. KKA-G415**

Peld, Merike 1994

**Termilised reaktsioonid apatiidi ja SO<sub>2</sub> 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 Cd<sup>2+</sup> 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 xerogel for calcium hydroxyapatite thin films preparation**

Stankevičiute, 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 SO<sub>2</sub>**

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 SO<sub>2</sub>**

Veiderma, Mihkel; Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem Third International Symposium on Inorganic Phosphate Materials : Villeneuve d'Asecq, France, Sept. 14-16, 1999 : book of abstracts 1999 / p. No. 0.2.10

**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; 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; Pöldme, 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; Pöldme, Meeme; Tõnsuaadu, Kaia XI. International Conference on Phosphorus Chemistry, Tallinn, USSR July 3-7 1989 : abstracts of lectures. I 1989 / [p. 137] [https://www.esther.ee/record=b1209888\\*est](https://www.esther.ee/record=b1209888*est)

**Thermische Entfluorierung von Apatit**

Veiderma, Mihkel; Pöldme, Meeme; Tõnsuaadu, Kaia Chemische Technik : wissenschaftliche Zeitschrift für Technik und Ökonomie der Chemieindustrie 1988 / S. 169-172 : ill [https://www.esther.ee/record=b1475735\\*est](https://www.esther.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.esther.ee/record=b1046944\\*est](https://www.esther.ee/record=b1046944*est)

**Thermophosphates from Kovdor and Siilinjärvi apatites**

Tõnsuaadu, Kaia 1995 [http://www.esther.ee/record=b1067577\\*est](http://www.esther.ee/record=b1067577*est)

**Thermophosphates on the basis of apatite and alluminosilicates**

Veiderma, Mihkel; Tõnsuaadu, Kaia; Knubovets, Rena; Einard, Marve; Peld, Merike XIth 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**

Pöldme, Meeme; Pöldme, 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**

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

**Transformation of phases in hydrothermal sintering processing of phosphate rock**

Pöldme, 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/10.2174/138527282166161219155302> 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.esther.ee/record=b5673955\\*est](https://www.esther.ee/record=b5673955*est) <https://kirjandus.geoloogia.info/reference/49111>

**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 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.esther.ee/record=b1531312\\*est](https://www.esther.ee/record=b1531312*est) <https://digikogu.taltech.ee/et/item/e448e56aa020-4c7c-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.esther.ee/record=b3798849\\*est](https://www.esther.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.esther.ee/record=b2142137\\*est](https://www.esther.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.; Põldme, 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**

**Põldme, Meeme; Utsal, Kalju; Põldme, 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.esther.ee/record=b2072798\\*est](https://www.esther.ee/record=b2072798*est)

**Математическая модель процесса обесфторивания фторапатита в псевдоожженном слое**

**Rebane, Jüri** Процессы и аппараты химической технологии и технология неорганических веществ. 5 1974 / с. 97-103 : илл [https://www.esther.ee/record=b1531723\\*est](https://www.esther.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; 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

**О влиянии водяного пара на обесфторивание ковдорского апатита при термической переработке**

**Põldme, Meeme; Ottstavel, 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.esther.ee/record=b4437558\\*est](https://www.esther.ee/record=b4437558*est)

**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 превращениях структуры гидроксидфторапатита при нагревании**

**Põldme, Meeme; Aruväli, Jaan; Utsal, Kalju** Тезисы докладов Всесоюзной конференции "Фосфаты-87" 1987 / с. 595 [https://www.esther.ee/record=b4415763\\*est](https://www.esther.ee/record=b4415763*est)

**О применении рентгенофазового анализа для исследования превращений апатита при нагревании**

**Aruväli, Jaan; Põldme, 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-апатита с фосфорной кислотой и пиритом**

**Põldme, Meeme; Põldme, 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.estr.ee/record=b4437558\\*est](https://www.estr.ee/record=b4437558*est)

## **Об усвоемости продуктов термической переработки Ковдорского апатита**

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

## **Обесфторивание фторапатита в псевдоожженном 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.estr.ee/record=b1386707\\*est](https://www.estr.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, Kaiju; Aruväli, Jaan** Тезисы докладов Всесоюзной конференции "Фосфаты-87" 1987 / с. 594 [https://www.estr.ee/record=b4415763\\*est](https://www.estr.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 всесоюзного совещания, 17-18 ноября 1987 г., Люберцы 1987 / с. 106-107

## **Особенности апатитового концентрата**

**Tönsuaadu, Kaia; Pöldme, 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.estr.ee/record=b1264984\\*est](https://www.estr.ee/record=b1264984*est)

## **Особенности миграции фтора при фосфорнокислотно-термической переработке ковдорского апатита**

**Pöldme, 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.estr.ee/record=b4437558\\*est](https://www.estr.ee/record=b4437558*est)

## **Особенности фосфорнокислотно-термической переработки ковдорского апатита**

**Tönsuaadu, Kaia; Veiderma, Mihkel; Pöldme, 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**

**Tönsuaadu, Kaia; Pöldme, 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.estr.ee/record=b1264984\\*est](https://www.estr.ee/record=b1264984*est)

## **Плавкость и фазовый состав продуктов фосфорнокислотно-термической переработки ковдорского апатитового концентрата**

**Tönsuaadu, Kaia; Veiderma, Mihkel; Pöldme, 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.estr.ee/record=b1264984\\*est](https://www.estr.ee/record=b1264984*est)

## **Структурные превращения апатита при кислотно-термической обработке**

**Veiderma, Mihkel; Knubovets, Rena; Tserenkova, G.; Pöldme, Meeme; Terentjev, E.** Неорганические материалы 1987 / с. 123-126 : илл [https://www.estr.ee/record=b1611497\\*est](https://www.estr.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**

**Pöldme, Meeme; Tönsuaadu, Kaia; Trikkel, Andres** Термический анализ : тезисы докладов VIII Всесоюзной конференции 1982 / с. 210-211 [https://www.estr.ee/record=b1652706\\*est](https://www.estr.ee/record=b1652706*est)

## **Термохимические превращения в смесях ковдорского апатита с фосфорной кислотой**

**Tönsuaadu, Kaia; Pöldme, Meeme; Veiderma, Mihkel** Неорганические материалы 1983 / с. 978-981 : илл [https://www.estr.ee/record=b1611497\\*est](https://www.estr.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.esther.ee/record=b1980428\\*est](https://www.esther.ee/record=b1980428*est)

**Физико-химический анализ процесса кислотнотермической 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.esther.ee/record=b1523281\\*est](https://www.esther.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.esther.ee/record=b1443384\\*est](https://www.esther.ee/record=b1443384*est)