

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>

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

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>

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

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

Computational study of cation substitutions in apatites

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

EDTA ja tsitraatioonide 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

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

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 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 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 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

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

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

New aspects in Ru³⁺ sorption mechanism on apatites

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

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

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

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

Removal of cadmium from aqueous solutions by sorption on natural apatites

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

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

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

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

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

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

Studies on SO₄²⁻ ion incorporation into apatite structure

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

Studies on SO₄²⁻ ion incorporation into apatite structure

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

Substituent effects on structural stability of apatites at calcination

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

Substituent effects on structural stability of apatites at calcination

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

Substituted apatites as sorbents for heavy metals

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

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

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

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>

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

Synthesis and characterization of Na and Mg containing carbonatefluorapatites

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

Synthesis and characterization of Na and Mg containing carbonatefluorapatites

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

Synthesis of anion and cation substituted apatites

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

Synthesis of 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_CARBOATE-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

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

Peld, Merike 1994

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 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 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 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

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

Термические превращения в смесях дигидрофосфата кальция с кремневой кислотой и глауконитом

Tõnsuaadu, Kaia; Veiderma, Mihkel; Peld, Merike Известия АН Эстонии. Химия 1990 / 3, с. 171-174

Термические превращения в фосфат-силикатных системах

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