

**A klassi lugu : [Jõgeva Keskkooli XI lend]**

**Kuusik, Rein, keemik** Jõgeva Keskkooli XI lenu lugu 1959-2019 2019 / lk. 18-22 : fot [https://www.ester.ee/record=b5232099\\*est](https://www.ester.ee/record=b5232099*est)

**Abatement of CO<sub>2</sub> emission in Estonian energy sector**

**Uibu, Mai; Veskimäe, Helgi; Kuusik, Rein, keemik** Sixth International Symposium & Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States : 1-4 September 2003, Prague, Czech Republic : symposium program 2003 / p. 194

**Abatement of CO<sub>2</sub> emission in Estonian energy sector [Electronic resource]**

**Uibu, Mai; Kuusik, Rein, keemik; Veskimäe, Helgi** VI International Symposium & Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States : Prague, Czech Republic, 1-4 Sept. 2003 : proceedings 2004 / [5] p. [CD-ROM]

**Abatement of CO<sub>2</sub> emissions in Estonian oil shale-based power production**

**Uibu, Mai** 2008 <https://digi.lib.ttu.ee/ii/?291> [https://www.ester.ee/record=b2449493\\*est](https://www.ester.ee/record=b2449493*est)

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

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

**Activated oil shale ashes as sorbents for SO<sub>2</sub> removal from flue gases**

**Triikkel, Andres; Kaljuvee, Tiit; Kuusik, Rein, keemik; Maarend, Jaak** 9th Regional (Central European) Conference IUAPPA and 3rd International Conference on Environmental Impact Assessment, Prague 1996 : up-to-date experiences and tasks of the transformation period : Czech Republic, September 23-26, 1996 : proceedings. Vol. 2 1996 / p. 306-310: ill

**Activation and reactivity of Estonian oil shale cyclone ash towards SO<sub>2</sub> binding**

**Kaljuvee, Tiit; Trass, Olev; Pihu, Tõnu; Konist, Alar; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2015 / p. 19-28 : ill <https://doi.org/10.1007/s10973-014-4308-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Activation and reactivity of oil shale cyclone ash towards SO<sub>2</sub> binding**

**Kaljuvee, Tiit; Trass, Olev; Pihu, Tõnu; Konist, Alar; Kuusik, Rein, keemik** ESTAC-11 : the 11th European Symposium on Thermal Analysis and Calorimetry : Dipoli Congress Center, Espoo, Finland, August 17-21, 2014 : abstracts 2014 / p. 14

**Activation of oil shale ashes for sulfur capture**

Trass, Olev; **Kuusik, Rein, keemik; Kaljuvee, Tiit** Oil shale 2018 / p. 375-385 : ill <https://doi.org/10.3176/oil.2018.4.07> [http://www.kirj.ee/public/oilshale\\_pdf/2018/issue\\_4/OS-2018-4-375-385.pdf](http://www.kirj.ee/public/oilshale_pdf/2018/issue_4/OS-2018-4-375-385.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Aggregate production from burnt oil shale and CO<sub>2</sub> - an Estonian perspective**

**Berber, Hakan; Tamm, Kadriann; Leinus, Mari-Liis; Kuusik, Rein, keemik; Uibu, Mai** Oil Shale 2019 / p. 431-447 : ill <https://doi.org/10.3176/oil.2019.3.05> [http://www.kirj.ee/32493/?tpl=1061&c\\_tpl=1064](http://www.kirj.ee/32493/?tpl=1061&c_tpl=1064) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Akadeemik ja kultuuritegelane : Mihkel Veiderma 70**

**Kuusik, Rein, keemik** Eesti Päevaleht 1999 / lk. 6: portr

**Akadeemik Mihkel Veiderma 80**

**Kuusik, Rein, keemik; Öpik, Andres** Mente et Manu 2010 / lk. 3 : portr [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Applicability of the FB reactor of aspen plus for CFB oxy-fuel combustion of Estonian oil shale : gas and solid hydrodynamics**

**Yörük, Can Rüstü; Normann, F.; Filip, J.; Triikkel, Andres; Kuusik, Rein, keemik** Proceedings of the 22nd International Conference on Fluidized Bed Conversion : Turku, Finland, June 14-17, 2015. Vol. 1 2015 / p. 150-159

**Application of thermal analysis techniques for studying the possibilities of utilization of oil shale ashes formed at electricity production in Estonia**

**Kaljuvee, Tiit; Uibu, Mai; Einard, Marve; Yörük, Can Rüstü; Triikkel, Andres; Kuusik, Rein, keemik** 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14th Mediterranean Conference on Calorimetry and Thermal Analysis, 27-30 August 2019, Roma, Italy: CEEC-TAC5 & Medicta2019 : book of abstracts 2019 / p. 47 <http://www.ceec-tac.org/download.php?f=.download/BoA%20CEEC-TAC5%20Medicta2019.pdf>

**Aqueous carbonation of oil shale wastes from Estonian power production for CO<sub>2</sub> fixation and PCC production**

**Uibu, Mai; Velts, Olga; Kuusik, Rein, keemik** C'YSENI 2011 : the 8th Annual International Conference of Young Scientist on Energy Issues, May 26-27, 2011, Kaunas, Lithuania : conference proceedings 2011 / p. 415-424 : ill

#### **Basics of new utilization processes for oil shale combustion wastes**

**Kuusik, Rein, keemik; Uibu, Mai; Raado, Lembi-Merike; Süld, Tiia-Maaja; Väizene, Vivika;** Irha, Natalja; Kirsimäe, Kalle; Loide, Valli; Meriste, Tõnis International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 37

#### **Behavior of sulfur compounds at thermooxydation of fuel mixtures containing oil shale semi-coke**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Triikkel, Andres;** Maljukova, Natalja First Baltic Symposium on Environmental Chemistry : 26-29 September 2001, Tartu, Estonia : abstracts 2001 / p. 55-56

#### **Behavior of sulphur compounds at combustion of oil shale semicoke**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Triikkel, Andres;** Maljukova, Natalja Oil shale 2003 / 2, p. 113-125 : ill  
[https://artiklid.elnet.ee/record=b1012756\\*est](https://artiklid.elnet.ee/record=b1012756*est)

#### **Behaviour of magnesium compounds at sulphation of lime-containing sorbents**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Uibu, Mai** Sixth International Symposium & Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States : 1-4 September 2003, Prague, Czech Republic : symposium program 2003 / p. 191

#### **Behaviour of magnesium compounds at sulphation of lime-containing sorbents [Electronic resource]**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Uibu, Mai** VI International Symposium & Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States : Prague, Czech Republic, 1-4 Sept. 2003 : proceedings 2004 / [5] p. [CD-ROM]

#### **Behaviour of sulfur compounds during aqueous leaching of oil shale ash**

**Tamm, Kadriann; Kuusik, Rein, keemik; Uibu, Mai; Kallas, Juha** Proceedings of the 4th International Conference on Accelerated Carbonation for Environmental and Materials Engineering : ACEME 2013 : April 9-12, 2013, Leuven, Belgium 2013 / p. 541-545 : ill

#### **Beneficiation of Estonian phosphate ore by flotataion [Online resource]**

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

#### **Binding of acidic gaseous compounds into the solid phase during combustion of oil shale**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Triikkel, Andres; Bender, Villem** 8th European Conference on Solid State Chemistry and satellite meetings Functional Perovskite - Related Oxides [and] Hydrogen Storage Materials : Oslo, July 2001 2001 / p. P110

#### **Ca<sup>2+</sup>-ioonide leostuvus põlevkivituhkadest**

**Velts, Olga; Uibu, Mai; Rudjak, Irina; Kuusik, Rein, keemik** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 187-188

#### **Calcination of Estonian calcareous rocks**

**Triikkel, Andres; Aasa, Priit; Kuusik, Rein, keemik** Kemia 97 : Finnish Chemical Congress and Exhibition, Helsinki, 11.-13.11.1997 : abstracts 1997 / p. 15

#### **Calcium carbonate crystallization on the basis of waste oil shale ash leachates**

**Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** ISIC 18 : 18th International Symposium on Industrial Crystallization : 13-16 September 2011, Zurich, Switzerland : book of abstracts 2011 / p. 501 : ill

#### **Calcium extraction from Estonian industrial ash bashed on ammonium solvents for production of precipitated calcium carbonate**

**Tamm, Kadriann; Viires, Regiina; Žuravljova, Anastassia; Otto, Kätlin; Kuusik, Rein, keemik; Uibu, Mai** International IX Oil Shale Conference 2017 "Oil Shale Industry in Circular Economy" : 15th-16th November 2017, [Jõhvi], Ida-Viru County, Estonia : summary 2017 / p. 28-29 : ill [http://www.ester.ee/record=b4751282\\*est](http://www.ester.ee/record=b4751282*est)

#### **Calcium extraction from Estonian industrial wastes based on ammonium solvents**

**Tamm, Kadriann; Viires, Regiina; Kuusik, Rein, keemik; Uibu, Mai** Energy and sustainability VII 2018 / p. 465-476 : ill  
<https://doi.org/10.2495/ESUS170431> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Calcium sulphide from phosphogypsum**

**Kuusik, Rein, keemik; Triikkel, Andres** Second International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, September 20-23, 1994, Budapest, Hungary : symposium program [and abstracts] 1994 / p. 149

#### **Carbon capture and fixation using lime-containing wastes : the influence of aqueous phase composition on Ca dissolution from oil shale ash**

**Uibu, Mai; Kuusik, Rein, keemik** Energy procedia 2013 / p. 5913-5920 : ill <https://doi.org/10.1016/j.egypro.2013.06.517> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Carbon dioxide binding in the heterogeneous systems formed at combustion of oil shale. 2, Interactions of system components - thermodynamic analysis**

**Kuusik, Rein, keemik; Tünn, Leo; Trikkel, Andres; Uibu, Mai** Oil shale 2002 / 2, p. 143-160

[https://artiklid.elnet.ee/record=b1010555\\*est](https://artiklid.elnet.ee/record=b1010555*est)

**Carbon dioxide binding in the heterogeneous systems formed at combustion of oil shale. 3, Transformations in the system suspension of ash - flue gases**

**Kuusik, Rein, keemik; Veskimäe, Helgi; Uibu, Mai** Oil shale 2002 / p. 277-288 [https://www.ester.ee/record=b1072685\\*est](https://www.ester.ee/record=b1072685*est)

[https://artiklid.elnet.ee/record=b1010555\\*est](https://artiklid.elnet.ee/record=b1010555*est)

**Carbon dioxide binding in the heterogeneous systems formed at combustion of oil shale. 4, Reactivity of ashes towards acid gases in the system fly ash-flue gases**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Radin, Maia; Bender, Villem** Oil shale 2004 / 1, p. 13-26 : ill

[https://artiklid.elnet.ee/record=b1015100\\*est](https://artiklid.elnet.ee/record=b1015100*est)

**Carbon dioxide binding in the heterogeneous systems formed by combustion of oil shale. 1, Carbon dioxide binding at oil shale ash deposits**

**Kuusik, Rein, keemik; Veskimäe, Helgi; Kaljuvee, Tiit; Parts, O.** Oil shale 2001 / p. 109-122

[https://www.ester.ee/record=b1072685\\*est](https://www.ester.ee/record=b1072685*est) [https://artiklid.elnet.ee/record=b1007235\\*est](https://artiklid.elnet.ee/record=b1007235*est)

**Carbon dioxide long-term emissions and its storage options in the Baltic Region**

Kavaliauskaite, Inga; **Uibu, Mai**; Teir, Sebastian; **Kuusik, Rein, keemik**; Zevenhoven, Ron; Defanas, G. Ecosystems and sustainable development. V 2005 / p. 439-448

**Challenges and possible solutions in the Baltic Region after legislation of EU CCS directive**

**Šogenova, Alla**; Šliaupa, Saulius; **Šogenov, Kazbulat**; Šliaupiene, Rasa; Pomeranceva, Raisa; **Vaher, Rein; Uibu, Mai; Kuusik, Rein, keemik** 5th Congress of Balkan Geophysical Society Geophysics at the Cross-roads : 10-16 May 2009, Belgrade, Serbia

2009 / [6] p <https://www.etis.ee/Portal/Publications/Display/ec0af0a8-42ca-479d-823c-9cef94948ca7>

**Characterization of oil shale ashes formed at industrial-scale CFBC boilers**

**Kuusik, Rein, keemik; Uibu, Mai**; Kirsimäe, Kalle Oil shale 2005 / 4S, p. 407-419 : ill [https://artiklid.elnet.ee/record=b2352613\\*est](https://artiklid.elnet.ee/record=b2352613*est)

**Chemical-looping combustion CO<sub>2</sub> ready gas power**

Mattisson, Tobias; Adanez, Juan; Proell, Tobias; **Kuusik, Rein, keemik** Energy procedia 2009 / p. 1557-1564 : ill

<https://www.sciencedirect.com/science/article/pii/S1876610209002057>

**Chemical-looping combustion with natural gas using spray-dried NiO-based oxygen carriers**

Linderholm, C.; Lyngfelt, Anders; Beal, C.; **Trikkel, Andres; Kuusik, Rein, keemik**; Jerndal, E.; Mattisson, Tobias Carbon dioxide capture for storage in deep geological formations. 3 2009 / [8] p

**CO<sub>2</sub> and SO<sub>2</sub> rebinding by oil shale ashes : effect of pre-treatment on binding kinetics**

**Trikkel, Andres; Keelmann, Merli; Kaljuvee, Tiit; Kuusik, Rein, keemik** MEDICTA 2009 : 9th Mediterranean Conference on Calorimetry and Thermal Analysis : June 15-18, 2009, Marseille, France : book of abstracts 2009 / p. 116

**CO<sub>2</sub> and SO<sub>2</sub> uptake by oil shale ashes : effect of pre-treatment on kinetics**

**Trikkel, Andres; Keelmann, Merli; Kaljuvee, Tiit; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2010 / 3, p. 763-769

**CO<sub>2</sub> emission in Estonian oil shale based energy sector - prospects for abatement by wet mineral carbonization**

**Kuusik, Rein, keemik; Uibu, Mai; Trikkel, Andres** GHGT-8 : 8th International Conference on Greenhouse Gas Control Technologies : 19-22 June 2006, Trondheim, Norway : book of abstracts, posters 2006 / p. 158

**CO<sub>2</sub> geological storage and mineral trapping potential in the Baltic region**

**Šogenova, Alla**; Šliaupa, Saulius; **Šogenov, Kazbulat**; Šliaupiene, Rasa; Pomeranceva, Raisa; **Uibu, Mai; Kuusik, Rein, keemik** Slovak geological magazine 2008 / p. 5-14 : ill

**CO<sub>2</sub> geological storage capacity analysis in Estonia and neighbouring regions**

**Šogenova, Alla; Šogenov, Kazbulat; Vaher, Rein; Ivask, Jüri**; Šliaupa, Saulius; Vangkilde-Pedersen, Thomas; **Uibu, Mai; Kuusik, Rein, keemik** Energy procedia 2011 / p. 2785-2792 : ill

**CO<sub>2</sub> mineral sequestration in oil-shale wastes from Estonian power production**

**Uibu, Mai; Uus, Mati; Kuusik, Rein, keemik** Journal of environmental management 2009 / p. 1253-1260 : ill

**CO<sub>2</sub> mineral trapping : modeling of calcium carbonate precipitation in a semi-batch reactor**

**Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** Energy procedia 2011 / p. 771-778 : ill

**CO<sub>2</sub> mineralisation : concept for co-utilization of oil shale energetics waste streams in CaCO<sub>3</sub> production**

Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik Energy procedia 2013 / p. 5921-5928 : ill

<https://www.sciencedirect.com/science/article/pii/S1876610213007613> <https://doi.org/10.1016/j.egypro.2013.06.518> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**CO<sub>2</sub> mineralisation : production of CaCO<sub>3</sub>-type material in a continuous flow disintegrator-reactor**

Velts, Olga; Kindsigo, Merit; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik Energy procedia 2014 / p. 5904-5911 : ill

<https://doi.org/10.1016/j.egypro.2014.11.625> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**CO<sub>2</sub> mineraliseerimine põlevkivienergeetikas - alused, võimalused ja olukord**

Kuusik, Rein, keemik; Uibu, Mai; Trikkel, Andres Keskkonnatehnika 2008 / 6, lk. 23-27 : ill

[https://artiklid.elnet.ee/record=b1022538\\*est](https://artiklid.elnet.ee/record=b1022538*est)

**CO<sub>2</sub> mineralization in cement sector : Lab scale experiments on burnt oil shale and concrete demolition wastes**

Uibu, Mai; Usta, Mustafa Cem; Tamm, Kadriann; Žuravljova, Anastassia; Kallas, Juha; Kuusik, Rein, keemik; Trikkel, Andres

enos-project.eu 2018 / 18 p. : ill <http://www.enos-project.eu/highlights/conference/basreccs-enos-workshop/> [http://www.enos-project.eu/media/15321/8-basreccs-enos\\_muibu.pdf](http://www.enos-project.eu/media/15321/8-basreccs-enos_muibu.pdf)

**CO<sub>2</sub> rebinding by oil shale CFBC ashes : effect of pre-treatment**

Trikkel, Andres; Keelmann, Merli; Aranson, Aljona; Kuusik, Rein, keemik Proceedings of the 20th International Conference on Fluidized Bed Combustion. II 2009 / p. 1123-1129

**CO<sub>2</sub> trapping from flue gases by oil shale ash aqueous suspension : Intensification and modeling of the process**

Kuusik, Rein, keemik; Uibu, Mai; Velts, Olga; Trikkel, Andres; Kallas, Juha Third International Conference on Accelerated

Carbonation for Environmental and Materials Engineering : ACEME10 : November 29 - December 1, 2010, Turku, Finland : proceedings 2010 / p. 227-235 : ill

**CO<sub>2</sub> wet mineralization by oil shale ash-reactivity of model compounds**

Uibu, Mai; Muulmann, Mari-Liis; Kuusik, Rein, keemik The 4th Nordic Minisymposium on Carbon Dioxide Capture and Storage : September 8-9, 2005, Otaniemi, Espoo : program, abstracts 2005 / [1] p

**A coagulant for water purification from Estonian glauconite**

Kudrjavitseva, Jelena; Viisimaa, Ludmilla; Kuusik, Rein, keemik Eesti Teaduste Akadeemia Toimetised. Keemia 1994 / lk. 68-76: ill

**Comparative reactivity of some calcareous rocks as sorbents towards sulphur dioxide**

Kaljuvee, Tiit; Trikkel, Andres; Kuusik, Rein, keemik Eesti Teaduste Akadeemia Toimetised. Keemia 1994 / 4, lk. 146-156: ill

**Comparative thermal analysis of Estonian carbonaceous rocks**

Trikkel, Andres; Aasa, Priit; Kuusik, Rein, keemik 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 155

**Composition and properties of oil shale ash concrete**

Raado, Lembi-Merike; Hain, Tiina; Liisma, Eneli; Kuusik, Rein, keemik Oil shale 2014 / p. 147-160 : ill

[https://artiklid.elnet.ee/record=b2673716\\*est](https://artiklid.elnet.ee/record=b2673716*est) <https://doi.org/10.3176/oil.2014.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Concept for CO<sub>2</sub> mineralization by oil-shale waste ash in Estonian power production**

Uibu, Mai; Kuusik, Rein, keemik Conference proceedings of the 3rd International Green Energy Conference : June 17-21, 2007 at Mälardalen University in Västerås, Sweden 2007 / p. 12-13

**Consumption of Estonian phosphorite [Online resource]**

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

**Co-utilization of CO<sub>2</sub> and oil shale combustion wastes for production of PCC-type material**

Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik 12th International Conference on Carbon Dioxide Utilization : ICCDU XII 2013 : June 23-27, 2013, Alexandria, VA, USA, Westin Hotel 2013 / p. 230

**Co-utilization of CO<sub>2</sub> and waste oil shale ash to produce calcium carbonate**

Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik 11th International Conference on Carbon Dioxide Utilization (ICCDU XI), June 27-30, 2011, Dijon, France : programm & abstracts 2011 / p. P133 : ill

**Crystallization of calcium carbonate on the basis of oil shale waste ash in a continuous flow disintegrator-reactor**

Velts, Olga; Kindsigo, Merit; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik ISIC 19 : 19th International Symposium on Industrial Crystallization : book of abstracts : 16-19 September 2014, Toulouse - France 2014 / p. 359-360 : ill

### **Decarbonization of natural lime-containing materials and reactivity of calcinated products towards SO<sub>2</sub> and CO<sub>2</sub>**

**Kaljuvee, Tiit; Triikkel, Andres; Kuusik, Rein, keemik** Programme and abstract book of 12th International Congress on Thermal Analysis and Calorimetry : August 14-18, 2000, Copenhagen, Denmark 2000 / p. 344  
<https://link.springer.com/article/10.1023/A:1011561500091>

### **Decarbonization of natural lime-containing materials and reactivity of calcined products towards SO<sub>2</sub> and CO<sub>2</sub>**

**Kaljuvee, Tiit; Triikkel, Andres; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2001 / Proceedings of the 12th International Congress on Thermal Analysis and Calorimetry : Copenhagen, Denmark, August 14-18, 2000. Volume III, Materials science geosciences, ISBN 963 05 7791 7, p. 1229-1240 : ill <https://link.springer.com/article/10.1023/A:1011561500091>

### **Decomposition and sulphation of calcareous compounds during combustion of Estonian oil shale**

**Triikkel, Andres; Kuusik, Rein, keemik; Uibu, Mai** Sixth International Symposium & Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States : 1-4 September 2003, Prague, Czech Republic : symposium program 2003 / p. 192

### **Decomposition and sulphation of calcareous compounds during combustion of Estonian oil shale [Electronic resource]**

**Triikkel, Andres; Kuusik, Rein, keemik; Uibu, Mai** VI International Symposium & Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States : Prague, Czech Republic, 1-4 Sept. 2003 : proceedings 2004 / [5] p. [CD-ROM]

### **Department of Chemistry**

**Hödrejäär, Helvi; Veiderma, Mihkel; Kuusik, Rein, keemik; Hödrejäär, Helvi; Kallast, Vambola; Lille, Ülo; Öpik, Andres; Köstner, Ado; Vilu, Raivo; Kreen, Malle; Kuusik, Rein, keemik; Öpik, Andres** Research activities / Tallinn Technical University 1993 / p. 45-48 [https://www.ester.ee/record=b1053754\\*est](https://www.ester.ee/record=b1053754*est)

### **Department of Chemistry : activity report 1995**

1996 [https://www.ester.ee/record=b1060032\\*est](https://www.ester.ee/record=b1060032*est)

### **Desulphurization of flue gases by oil shale ash**

**Kaljuvee, Tiit; Kuusik, Rein, keemik** Oil shale 1993 / 1, p. 33-43

### **Developments in CO<sub>2</sub> mineral carbonation by oil shale ash**

**Uibu, Mai; Velts, Olga; Triikkel, Andres; Kallas, Juha; Kuusik, Rein, keemik** 2nd International Conference on Accelerated Carbonation for Environmental and Materials Engineering : October 1-3, 2008, Rome, Italy : proceedings 2008 / p. 421-430 : ill

### **Developments in CO<sub>2</sub> mineral carbonation of oil shale ash**

**Uibu, Mai; Velts, Olga; Kuusik, Rein, keemik** Journal of hazardous materials 2010 / p. 209-214 : ill

### **Distribution of organic and inorganic ingredients in Estonian oil shale semicoke**

**Triikkel, Andres; Kuusik, Rein, keemik;** Maljukova, Natalja Oil shale 2004 / 3, p. 227-236 : ill  
[https://artiklid.elnet.ee/record=b1016399\\*est](https://artiklid.elnet.ee/record=b1016399*est)

### **Distribution of the components of phosphorites by thermoseparational enrichment**

**Kuusik, Rein, keemik; Veskimäe, Helgi; Kaljuvee, Tiit** Tallinna Tehnikaülikooli Toimetised 1994 / lk. 28-38: ill

### **Dry desulphurization of flue gases by Estonian lime-containing materials**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Triikkel, Andres;** Maarend, Jaak; Roundyguine, Juri Proceedings of the 10th World Clean Air Congress, held at Espoo, Finland, May 28 - June 2, 1995. Vol. 1, Emissions and control 1995 / p. 037 [4 p.]: ill

### **Dry desulphurization of the flue gases at oil shale thermal power plants**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veskimäe, Helgi** Second International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, September 20-23, 1994, Budapest, Hungary : symposium program [and abstracts] 1994 / p. 149

### **Edusammud põlevkivituha uudsete rakenduste väljatöötamises**

**Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 107 : ill

### **Eessõna**

**Kuusik, Rein, keemik** 30 aastat Eesti Meestelaulu Seltsi Tallinna Meeskoori : 1989-2019 2019 / lk. 4-5 : fot  
[https://www.ester.ee/record=b5280542\\*est](https://www.ester.ee/record=b5280542*est)

### **Eesti Elektriijaama ringleva keevkihiga koldes tekkivad põlevkivituhad SO<sub>2</sub> sorbendina**

Toom, Merli; **Kaljuvee, Tiit; Kuusik, Rein, keemik** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 113-114

**Eesti Elektriama tuhad vääveldioksiidi sidujana**

**Kulp, Igor; Kaljuvee, Tiit; Kuusik, Rein, keemik** XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 60-61

**Eesti esindajad projekti Global TraPs neljandal töökongressil Marokos : 16.-18. märtsil 2012**

**Kuusik, Rein, keemik** Mente et Manu 2012 / lk. 4-5 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Eesti fosforiidi säästlik väärdamine : [RITA MAARE projekti aruanne]**

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

**Eesti karbonaatsete kivimite võrdlev terminaalne analüüs**

**Trikkel, Andres; Aasa, Priit; Kuusik, Rein, keemik** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 143

**Eesti lubjakivid ja dolomiidid happeliste ühendite sorbentidena**

**Kaljuvee, Tiit; Kulp, Igor; Kuusik, Rein, keemik** XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 51-52

**Eesti lubjakivid ja dolomiidid vääveldioksiidi sorbendina**

**Trikkel, Andres; Kuusik, Rein, keemik** Keskkonnatehnika 2003 / 4, lk. 39-43 : ill [https://artiklid.elnet.ee/record=b1013612\\*est](https://artiklid.elnet.ee/record=b1013612*est)

**Eesti põlevkivienergeetikas tekkivate tahkjäätmete märgkarboniseerimine SO<sub>2</sub> emissiooni vähendamiseks ning SKK saamiseks**

**Uibu, Mai; Velts, Olga; Kuusik, Rein, keemik** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 103

**Effect of ageing pre-treatment on performance of PF oil shale ash for CO<sub>2</sub> sequestration in aqueous suspensions**

**Uibu, Mai; Kuusik, Rein, keemik** Third International Conference on Accelerated Carbonation for Environmental and Materials Engineering : ACEME10 : November 29 - December 1, 2010, Turku, Finland : proceedings 2010 / p. 317-321 : ill <http://www.cgseurope.net/UserFiles/file/1st%20Kickoff%20meeting/Posters/P8-Uibu.pdf>

**Effect of flotation time and collector dosage on Estonian phosphorite beneficiation**

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

**Efforts in oil shale ash indirect carbonation accompanied by PCC-type material formation**

**Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** Proceedings of the 4th International Conference on Accelerated Carbonation for Environmental and Materials Engineering : ACEME 2013 : April 9-12, 2013, Leuven, Belgium 2013 / p. 341-348 : ill

**Elule lähendamise programm viis otse elu keskele**

**Kuusik, Rein, keemik** Mente et Manu 2018 / lk. 26 : fot [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est)  
<http://dea.digar.ee/publication/AKmenteetmanu> [https://artiklid.elnet.ee/record=b2865217\\*est](https://artiklid.elnet.ee/record=b2865217*est)

**Emeriitprofessor Mihkel Veiderma 70**

**Kuusik, Rein, keemik** Tehnikaülikool 1999 / lk. 8: portr

**Emission of sulphur dioxide by thermooxidation of Estonian oil shale and coal**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veiderma, Mihkel** Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 3, p. 199-208: ill

**Emission of sulphur dioxide during thermal treatment of fossil fuels**

**Kaljuvee, Tiit; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 1999 / p. 1243-1251: ill

**The emission of sulphur dioxide during thermooxidation of solid fossil fuels**

**Kaljuvee, Tiit; Kuusik, Rein, keemik** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 47

**Enrichment of carbonate-phosphate ores by calcination and air separation**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veiderma, Mihkel** International journal of mineral processing 1995 / p. 113-121

**Equilibrium calculations in aqueous carbonation of oil shale waste-sulfur compounds**

**Tamm, Kadriann; Uibu, Mai; Kallaste, Priit; Kuusik, Rein, keemik; Kallas, Juha** Proceedings of 2nd World Congress on Petrochemistry and Chemical Engineering : October 27-29, 2014, Embassy Suites Las Vegas, USA 2014 / p. 40

**Equilibria in aqueous carbonation of oil shale waste**

**Tamm, Kadriann; Uibu, Mai; Kallaste, Priit; Kuusik, Rein, keemik; Kallas, Juha** TÜ ja TTÜ doktorikool "Funktsionaalsed

materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

### **Estonia has joined Global TraPs**

**Kuusik, Rein, keemik** Global TraPs : global transdisciplinary processes for sustainable phosphorus management (2010–2015) : newsletter 2012 / p. 2 : ill

### **Estonian calcareous rocks and oil shale ash as sorbents for SO<sub>2</sub>**

**Triikkel, Andres** 2001 [https://www.ester.ee/record=b1578119\\*est](https://www.ester.ee/record=b1578119*est)

### **Estonian calcareous rocks as SO<sub>2</sub> sorbents in AFBC and PFBC conditions**

**Triikkel, Andres; Kuusik, Rein, keemik;** Zevenhoven, Ron 15th International Conference on Fluidized Bed Combustion : May 16-19, 1999, Savannah, Georgia : general conference information, agenda, and abstracts 1999 / p. FBC 99-0032

### **Estonian calcareous rocks as SO<sub>2</sub> sorbents in AFBC and PFBC conditions [Electronic resource]**

**Triikkel, Andres; Kuusik, Rein, keemik;** Zevenhoven, Ron Proceedings of the 15th International Conference on Fluidized Bed Combustion : May 16-19, 1999, Savannah, Georgia 1999 / [18] p. : ill. [CD-ROM]

### **Estonian dolomites : occurrence, resources, characterisation and new prospects for application**

**Triikkel, Andres; Kaljuvee, Tiit; Soesoo, Alvar; Kuusik, Rein, keemik** Horizons in earth science research. Volume 7 2012 / p. 147-195

### **Estonian glauconite : a resource for the future**

**Kuusik, Rein, keemik; Aasamäe, Ernst; Viisimaa, Ludmilla** Kemia-Kemi 1998 / 5, p. 404-406: ill

### **Estonian lime containing materials as sorbents for SO<sub>2</sub> removal**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Triikkel, Andres; Veskimäe, Helgi** Kemia 93 : Finnish Chemical Congress and Exhibition, Helsinki, 2.-4. nov. 1993 : abstracts 1993 / p. 20-21

### **Evaluation of Estonian phosphate rock by flotation**

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

### **Evaluation of new applications of oil shale ashes in building materials**

**Usta, Mustafa Cem; Yörük, Can Rüstü; Hain, Tiina;** Paaver, Peeter; Snellings, Ruben; Rozov, Eduard; **Gregor, Andre; Kuusik, Rein, keemik; Triikkel, Andres; Uibu, Mai** Minerals 2020 / art. 765, 19 p. : ill <https://doi.org/10.3390/min10090765> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evolved gas analysis at thermal treatment of oil shales by TG-FTIR**

**Kaljuvee, Tiit; Edro, Evelin; Kuusik, Rein, keemik** Proceedings of International conference on oil shale "Recent Trends in Oil Shale" : Amman, Jordan, 7-9.November 2006 2006 / [10] p

### **Excess sludge anaerobic treatment linked together with production of suspension fertilizers**

**Sokk, Olev; Kuusik, Rein, keemik; Loigu, Enn** Libro de resúmenes : IX Taller y Simposio Latinoamericano de Digestion Anaerobia : Isla de Pascua, Chile, 19-23 Octubre 2008 2008 / p. 78

### **Excess sludge anaerobic treatment linked together with production of suspension fertilizers**

**Sokk, Olev; Kuusik, Rein, keemik; Loigu, Enn** Memorias : IX Taller y Simposio Latinoamericano de Digestion Anaerobia : Isla de Pascua, Chile, 19-23 Octubre 2008 2008 / p. 396-400 : ill

### **Experimental and modeling studies of oil shale oxy-fuel combustion = Põlevkivi hapnikus põletamise eksperimentaalne uurimine ja modelleerimine**

**Yörük, Can Rüstü** 2016 [http://www.ester.ee/record=b4619911\\*est](http://www.ester.ee/record=b4619911*est)

### **Ex-situ and in-situ mineral carbonation : alternative technology to mitigate climate change**

**Šogenova, Alla; Kuusik, Rein, keemik;** McGrail, B. Peter GEO ENeRGY : the newsletter of the ENeRG Network 2012 / p. [2] : ill

### **Faaside lahutamine glaukoniidi happelisel töötlemisel**

**Viisimaa, Ludmilla; Kuusik, Rein, keemik** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 158

### **Feasibility of carbonation of alkaline waste oil shale ash in the rocking-type autoclave reactor**

**Velts-Jänes, Olga; Uibu, Mai;** Santos, Rafael; Rijnsburger, Keesjan; Knops, Pol; **Kuusik, Rein, keemik** 5th International Conference on Accelerated Carbonation for Environmental and Material Engineering 2015 : New York, New York, USA, 21-24 June 2015 2015 / p. 87-94

### **Flue gas desulphurization at oil shale fired plants**

**Kuusik, Rein, keemik; Triikkel, Andres;** Rundõgin, J.; **Kaljuvee, Tiit;** Alfimov, G.; Jegorov, D.; Maarend, Jaak Fourth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe : Warsaw, Poland, Sept. 15-17, 1998 : symposium proceedings 1999 / Paper no. 272, 7 p. [CD-ROM]

### **Flue gas desulphurization at oil shale fired plants**

**Kuusik, Rein, keemik;** Rundõgin, J.; **Kaljuvee, Tiit;** Alfimov, G.; Jegorov, D.; Maarend, Jaak 4th International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, Warsaw, Poland, Sept. 15-17, 1998 : symposium program 1998 / p. 136

### **Fluidized bed combustion of oil shale retorting solid waste**

Martins, Ants; Pesur, A.; **Kuusik, Rein, keemik; Kaljuvee, Tiit; Triikkel, Andres; Pihu, Tõnu; Prikk, Arvi; Arro, Hendrik** Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 49 [https://www.ester.ee/record=b1703301\\*est](https://www.ester.ee/record=b1703301*est)

### **Fluidized-bed combustion of oil shale retorting solid waste**

**Kuusik, Rein, keemik;** Martins, Ants; **Pihu, Tõnu;** Pesur, A.; **Kaljuvee, Tiit; Prikk, Arvi; Triikkel, Andres; Arro, Hendrik** Oil shale 2004 / 3, p. 237-248 : ill [https://artiklid.elnet.ee/record=b1016400\\*est](https://artiklid.elnet.ee/record=b1016400*est)

### **Foreword**

**Kuusik, Rein, keemik** Reports of Tallinn Technical University. G, Chemistry and chemical engineering = Tallinna Tehnikaülikooli ülevaated. G, Chemistry and chemical engineering = Отчеты Таллинского технического университета. G, Chemistry and chemical engineering : Department of Chemistry : activity report 1996 / p. 5 [https://www.ester.ee/record=b1060032\\*est](https://www.ester.ee/record=b1060032*est)

### **Foreword**

**Kuusik, Rein, keemik** Department of Chemistry : activity report 1996 1997 / p. 4 [https://www.ester.ee/record=b1060032\\*est](https://www.ester.ee/record=b1060032*est)

### **Formation and binding of sulphur dioxide by combustion of Estonian oil shale**

**Kuusik, Rein, keemik; Arro, Hendrik; Kaljuvee, Tiit; Prikk, Arvi** Circulating Fluidized Bed Technology. VI : proceedings of the 6th International Conference on Circulating Fluidized Beds : Würzburg, Germany, August 22-27, 1999 1999 / p. 627-632

### **Formation of volatile organic compounds at thermooxidation of solid fossil fuels**

**Kaljuvee, Tiit; Edro, Evelin; Kuusik, Rein, keemik** Oil shale 2007 / 2, p. 117-133 : ill [https://artiklid.elnet.ee/record=b2374393\\*est](https://artiklid.elnet.ee/record=b2374393*est)

### **Fosfokips - heitprodukt või tooraine ?**

**Kuusik, Rein, keemik** Tallinna Polütehnik : TPI parteikomitee, rektoraadi, komsomolikomitee, ametiühingukomitee häälekandja 1981 / lk. 3 <https://digikogu.taltech.ee/et/Item/eaeae444-bb9c-48be-93ab-d38949cc9bdf> [https://www.ester.ee/record=b1254708\\*est](https://www.ester.ee/record=b1254708*est)

### **From waste to value : CaCO<sub>3</sub> crystallization on the basis of waste oil shale ash**

**Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** Proceedings of the Air & Waste Management Association's (A&WMA) 105th Annual Conference & Exhibition 2012 / [10] p. : ill

### **Geological storage and mineral trapping of industrial CO<sub>2</sub> emissions - prospects in the Baltic Region**

**Šogenova, Alla;** Sliupa, Saulius; **Šogenov, Kazbulat;** Sliapiene, Rasa; Pomeranceva, Raisa; **Uibu, Mai; Kuusik, Rein, keemik** First CO<sub>2</sub> Geological Storage Workshop, 29-30 September 2008, Budapest, Hungary. A04 2008 / p. 25-30

### **Granulation of oil shale ashes and leachability of granulated products**

**Kaljuvee, Tiit;** Loide, Valli; Einard, Marve; **Jefimova, Jekaterina; Kuusik, Rein, keemik** International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 51

### **Granulation of oil shale ashes and the potentiality of use the product in agriculture**

**Hälvín, Herki; Kaljuvee, Tiit; Kuusik, Rein, keemik** The Twenty-Seventh International Conference on Solid Waste Technology and Management : Philadelphia, PA U.S.A, March 11-14, 2012 : presentation abstracts 2012 / p. P2

### **Granulation of oil shale ashes and the potentiality of use the product in agriculture**

**Hälvín, Herki; Kaljuvee, Tiit; Kuusik, Rein, keemik** Proceedings of the 27th International Conference on Solid Waste Technology and Management : March 11-14, 2012, Philadelphia, PA U.S.A 2012 / p. 1201-1209 : ill

### **Granulation of oil shale ashes for neutralizing of acidic soils**

**Kaljuvee, Tiit; Jefimova, Jekaterina;** Loide, Valli; **Uibu, Mai; Einard, Marve; Kuusik, Rein, keemik** International IX Oil Shale Conference 2017 "Oil Shale Industry in Circular Economy" : 15th-16th November 2017, [Jõhvi], Ida-Viru County, Estonia : summary 2017 / p. 16-17 [http://www.ester.ee/record=b4751282\\*est](http://www.ester.ee/record=b4751282*est)

### **Heating rate effect on the thermal behaviour of some clays and their mixtures with oil shale ash additives**

**Kaljuvee, Tiit;** Štubna, Igor; Hulan, Tomaš; **Kuusik, Rein, keemik** 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 25-28 August 2015, Ljubljana, Slovenia : book of abstracts 2015

#### **Heating rate effect on the thermal behavior of some clays and their blends with oil shale ash additives**

**Kaljuvee, Tiit**; Štubna, Igor; Hulan, Tomaš; **Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2017 / p. 33-45 : ill  
<https://doi.org/10.1007/s10973-016-5347-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Hendrik Arro - Enks = Hendrik Arro - Enks**

**Loosaar, Jüri**; Pihu, Tõnu; **Prikk, Arvi**; Rootamm, Rein; Ratnik, Velda; **Kuusik, Rein, keemik**; Konist, Alar Hendrik Arro : publikatsioonid = Hendrik Arro : publications 2010 / lk. 19-26

#### **High temperature adsorption of sulphur dioxide**

**Kaljuvee, Tiit**; **Kuusik, Rein, keemik**; Vilbok, Heinrich Kemia-kemi 1990 / 10B, p. 993-994

#### **High temperature behavior of NiO-based oxygen carriers for chemical looping combustion**

**Kuusik, Rein, keemik**; Trikkel, Andres; Lyngfelt, Anders; Mattisson, Tobias Energy procedia 2009 / p. 3885-3892 : ill

#### **Impact of wastewater components on phosphorus removal by oil shale ash in model systems**

**Tõnsuaadu, Kaia**; Mötlep, Riho; **Kivistik, Mart**; **Kuusik, Rein, keemik** Book of abstracts : 4th Sustainable Phosphorus Summit : Le Corum, Montpellier, France, 1-3 September 2014 2014 / [1] p

#### **Implementation of the leaching models to estimate oil shale ash disposal and handling processes**

**Tamm, Kadriann**; **Uibu, Mai**; Viires, Regiina; Kallas, Juha; **Kuusik, Rein, keemik** International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 45-46

#### **Improvement of current mining technology in Estonian oil shale mines**

**Pastarus, Jüri-Rivaldo**; Otsmaa, Merle; Šommet, Julija; Pototski, Aleksander; **Kuusik, Rein, keemik** Proceeding of the V-th International Geomechanics Conference : 18-21 June 2012 International House of Scientists "Fr. J. Curie", Varna, Bulgaria 2012 / p. 275-279 : ill

[https://www.academia.edu/64597395/Varna\\_Bulgaria\\_IMPROVEMENT\\_OF\\_CURRENT\\_MINING\\_TECHNOLOGY\\_IN\\_ESTONIAN\\_OIL\\_SHALE\\_MINES?uc-sb-sw=50794218](https://www.academia.edu/64597395/Varna_Bulgaria_IMPROVEMENT_OF_CURRENT_MINING_TECHNOLOGY_IN_ESTONIAN_OIL_SHALE_MINES?uc-sb-sw=50794218)

#### **Influence of lime-containing additives on the thermal behaviour of ammonium nitrate**

**Kaljuvee, Tiit**; Edro, Evelin; **Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2008 / 1, p. 215-221 : ill

#### **Influence of the post-granulation treatment on the thermal behaviour of Estonian oil shale ashes**

**Kaljuvee, Tiit**; Jefimova, Jekaterina; Loide, Valli; **Uibu, Mai**; Einard, Marve; **Kuusik, Rein, keemik** JTACC+V4 : 1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference: Budapest Hungary, June 6-9, 2017 : Book of Abstracts 2017 / p. 105 <https://static.akcongress.com/downloads/jtacc/jtacc2017-book-of-abstracts.pdf>

#### **Integration of technologies : biogas production, fertilizer production and biogas upgrading**

**Sokk, Olev**; Loigu, Enn; **Kuusik, Rein, keemik**; Menert, Anne 12th World Congress on Anaerobic Digestion : October 31st - November 4th, 2010, Guadalajara, Jalisco, Mexico 2010 / [6] p : ill <https://www.sei.org/wp-content/uploads/2018/02/4367.pdf>

#### **Integration of technologies : biogas production, fertilizer production and biogas upgrading**

**Sokk, Olev**; Loigu, Enn; **Kuusik, Rein, keemik**; Menert, Anne 12th World Congress on Anaerobic Digestion : October 31st - November 4th, 2010, Guadalajara, Jalisco, Mexico 2010 / p. 179 <https://www.sei.org/publications/integration-of-technologies-biogas-production-fertilizer-production-and-biogas-upgrading/>

#### **Interactions of ammonium nitrate with different additives : thermodynamic analysis**

**Klimova, Irina**; **Kaljuvee, Tiit**; Törn, Leo; Trikkel, Andres; **Kuusik, Rein, keemik** Program & abstracts of 21st IUPAC International Conference on Chemical Thermodynamics ICCT-2010 : Tsukuba, Japan, July 31 - August 6, 2010 2010 / p. 242  
<https://link.springer.com/article/10.1007/s10973-011-1514-9>

#### **Interactions of ammonium nitrate with different additives : thermodynamic analysis**

**Klimova, Irina**; **Kaljuvee, Tiit**; Törn, Leo; Bender, Villem; Trikkel, Andres; **Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2011 / p. 13-26

#### **Investigation of limestone powder layering onto ammonium nitrate prills in disc granulator**

**Klimova, Irina**; **Kaljuvee, Tiit**; **Kuusik, Rein, keemik** Journal of materials science and engineering A 2014 / p. 151-159 : ill

#### **Joint efforts for utilization of oil shale ash in new areas**

**Kuusik, Rein, keemik**; **Uibu, Mai**; Kirsimäe, Kalle; Pototski, Aleksander; Meriste, Tõnis International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 / p. 52

#### **Juha Kallas - 70**

**Kuusik, Rein, keemik** Mente et Manu 2011 / lk. 3 : portr [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Kaia Tõnsuaadu 60**

**Kuusik, Rein, keemik** Mente et Manu 2011 / lk. 5 : portr [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Kaltsiumi leostumine põlevkivituhast - protsessi modelleerimine**

**Velts, Olga; Kallas, Juha; Kuusik, Rein, keemik** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 81

**Karboniseerimisprotsessi pidurdumismehhanism süsteemis põlevkivituhk-vesi-CO2**

**Uibu, Mai; Kuusik, Rein, keemik** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 175-176

**Kas läbimurre põlevkivituha kasutuses?**

**Kuusik, Rein, keemik** Mente et Manu 2022 / lk. 27-29 : ill [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Keemia- ja materjalitehnoloogia teaduskond**

**Kaps, Tiit; Mölder, Leevi; Christjanson, Peep; Mellikov, Enn; Krunks, Malle; Munter, Rein; Uus, Endel; Tearo, Eduard; Kuusik, Rein, keemik; Kreen, Malle; Viikna, Anti; Soone, Jüri** Leiutajaid ja leiutisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 48-71 : ill [https://www.ester.ee/record=b2412718\\*est](https://www.ester.ee/record=b2412718*est)

**Keemiainstituut**

**Hödrejäär, Helvi; Kreen, Malle; Kuusik, Rein, keemik; Öpik, Andres** Teadustegevus / TTÜ 1993 / lk. 45-48

**Kinetics of oil shale thermo-oxidation under oxy-fuel conditions**

**Yörük, Can Rüstü; Meriste, Tõnis; Triikkel, Andres; Kuusik, Rein, keemik** 7th Trondheim Conference on CO2 Capture, Transport and Storage, TCCS-7 : Trondheim, Norway, June 4-6, 2013 : [abstracts] 2013 / [2] p. : ill

**Koagulandi saamine glaukoniidist = Obtaining coagulant from glauconite**

**Kuusik, Rein, keemik; Viisimaa, Ludmilla; Aasamäe, Ernst** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 89-90 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Kompleksväetiste tootmise võimalustest Eestis**

**Aasamäe, Ernst; Kuusik, Rein, keemik; Veiderma, Mihkel** Teaduslik-praktiline seminar "Keemia põllumajandusele" : ettekannete teesid, Tallinn, 3-5. dets. 1990 1990 / lk. 30-31 [https://www.ester.ee/record=b1213593\\*est](https://www.ester.ee/record=b1213593*est)

**Kust leida hingejõudu**

**Kuusik, Rein, keemik** Eesti Naine 1997 / november, lk. 18: foto [https://artiklid.elnet.ee/record=b2333749\\*est](https://artiklid.elnet.ee/record=b2333749*est)

**Laboratory scale granulation of oil shale ashes**

**Kaljuvee, Tiit; Hälvín, Herki; Pototski, Aleksander; Kuusik, Rein, keemik** 6th International Granulation Workshop : Granulation Conference, Sheffield, UK, 26th-28th June 2013 2013 / p. 63

**Leaching behaviour of Estonian oil shale ash-based construction mortars**

**Irha, Natalja; Uibu, Mai; Jefimova, Jekaterina; Raado, Lembi-Merike; Hain, Tiina; Kuusik, Rein, keemik** Oil shale 2014 / p. 394-411 : ill [https://artiklid.elnet.ee/record=b2704135\\*est](https://artiklid.elnet.ee/record=b2704135*est) <https://doi.org/10.3176/oil.2014.4.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Leaching of the water-soluble calcium components of oil shale waste ash = Kaltsiumühendite leostumine põlevkivituha vesisüsteemides**

**Tamm, Kadriann** 2016 [https://www.ester.ee/record=b4561681\\*est](https://www.ester.ee/record=b4561681*est)

**Leaching thermodynamics and kinetics of oil shale waste key components**

**Tamm, Kadriann; Kallaste, Priit; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** 5th International Conference on Accelerated Carbonation for Environmental and Material Engineering 2015 : New York, New York, USA, 21-24 June 2015 2015 / p. 143-153

**Leaching thermodynamics and kinetics of oil shale waste key components**

**Tamm, Kadriann; Kallaste, Priit; Uibu, Mai; Kallas, Juha; Velts-Jänes, Olga; Kuusik, Rein, keemik** Oil shale 2016 / p. 80-99 : ill [https://artiklid.elnet.ee/record=b2760706\\*est](https://artiklid.elnet.ee/record=b2760706*est) <https://doi.org/10.3176/oil.2016.1.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Liquid coagulant for water purification from glauconite**

**Kuusik, Rein, keemik; Viisimaa, Ludmilla; Aasamäe, Ernst** Kemia 94 : Finnish Chemical Congress and Exhibition, Helsinki, 8.-10.11.1994 : abstracts 1994 / p. 36

**Lubjakivi-dolomiidi lisandite mõju ammooniumnitraadi termilisele käitumisele**

**Kaljuvee, Tiit; Edro, Evelin; Kuusik, Rein, keemik** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian

## Lõppsõna

**Kuusik, Rein, keemik** 30 aastat Eesti Meestelaulu Seltsi Tallinna Meeskoori : 1989-2019 2019 / lk. 86

[https://www.ester.ee/record=b5280542\\*est](https://www.ester.ee/record=b5280542*est)

## Main physicochemical factors affecting the aqueous carbonation of oil shale ash

**Uibu, Mai; Kuusik, Rein, keemik** Minerals engineering 2014 / p. 64-70 : ill <https://doi.org/10.1016/j.mineng.2013.10.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## MC technologies developed for waste materials

**Uibu, Mai; Viires, Regiina; Kuusik, Rein, keemik** CO<sub>2</sub> sequestration by ex-situ mineral carbonation 2017 / p. 91-131 : ill

[https://doi.org/10.1142/9781786341600\\_0004](https://doi.org/10.1142/9781786341600_0004)

## Mechanochemical method for enrichment of phosphorites

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veiderma, Mihkel** 1st International Conference on Mechanochemistry, March 23-26, 1993, Košice, Slovakia : book of abstracts 1993 / p. D12

## Mihkel Veiderma 70

**Kuusik, Rein, keemik** Proceedings of the Estonian Academy of Sciences. Chemistry 2000 / p. 71-73

[https://artiklid.elnet.ee/record=b1003257\\*est](https://artiklid.elnet.ee/record=b1003257*est)

## Mineral CO<sub>2</sub> sequestration by aqueous carbonation of oil shale ash from Estonian power production

**Uibu, Mai; Kuusik, Rein, keemik** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 66-67 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

## Mineral sequestration of CO<sub>2</sub> from Vernasca Ca-looping demo system : scale up to a pilot

**Usta, Mustafa Cem; Uibu, Mai; Yörük, Can Rüstü; Tamm, Kadriann; Kuusik, Rein, keemik; Trikkel, Andres; Gastaldi, Daniela; Canonico, Fulvio** Proceedings of the 15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 2021 / 12 p.: ill

<https://ssrn.com/abstract=3812245> <https://doi.org/10.2139/ssrn.3812245>

## Mineral trapping of CO<sub>2</sub> for cement industry de-carbonization

**Uibu, Mai; Usta, Mustafa Cem; Tamm, Kadriann; Žuravljova, Anastassia; Kallas, Juha; Kuusik, Rein, keemik; Trikkel, Andres** 14th Greenhouse Gas Control Technologies Conference Melbourne 21-26 October 2018 (GHGT-14) 2019 / 8 p. : ill

<https://ssrn.com/abstract=3365766>

## Mineral trapping of CO<sub>2</sub> in oil shale industry

**Tamm, Kadriann; Uibu, Mai; Žuravljova, Anastassia; Usta, Mustafa Cem; Leier, Ae; Kallas, Juha; Kuusik, Rein, keemik; Trikkel, Andres** <https://www.ttu.ee/asutused/polevkivi-kompetentsikeskus> 2018 / Poster <https://www.ttu.ee/asutused/polevkivi-kompetentsikeskus/konverentsid-ja-koolitused/polevkivikonverentsid/2018-6/posterettekanded/>

## Mineral trapping of CO<sub>2</sub> via oil shale ash aqueous carbonation : controlling mechanism of process rate and development of continuous-flow reactor system

**Uibu, Mai; Kuusik, Rein, keemik** Oil shale 2009 / 1, p. 40-58 : ill [https://artiklid.elnet.ee/record=b1141327\\*est](https://artiklid.elnet.ee/record=b1141327*est)

## Mitigation of negative environmental impact of semicoke

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Trikkel, Andres** The First International Congress on Petroleum Contaminated Soils, Sediments & Water : August 14-17, 2001, Imperial College, London, UK : abstract and directory 2001 / P. 27

## Modeling calcium dissolution from oil shale ash. Part 1, Ca dissolution during ash washing in a batch reactor

**Velts, Olga; Hautaniemi, Marjaana; Kallas, Juha; Kuusik, Rein, keemik** Fuel processing technology 2010 / 5, p. 486-490 : ill

<https://www.sciencedirect.com/science/article/abs/pii/S0378382009003567>

## Modeling calcium dissolution from oil shale ash. Part 2, Continuous washing of the ash layer

**Velts, Olga; Hautaniemi, Marjaana; Kallas, Juha; Kuosa, Markku; Kuusik, Rein, keemik** Fuel processing technology 2010 / 5, p. 491-495 : ill

<https://www.sciencedirect.com/science/article/pii/S0378382009003579>

## Modeling of calcium leaching from lime-consisting oil shale combustion ash

**Velts, Olga; Kallas, Juha; Kuusik, Rein, keemik** Third International Conference on Accelerated Carbonation for Environmental and Materials Engineering : ACEME10 : November 29 - December 1, 2010, Turku, Finland : proceedings 2010 / p. 323-326 : ill

<https://www.sciencedirect.com/science/article/abs/pii/S0378382009003579>

## Modeling of decomposition and sulphation of oil shale carbonates on the basis of natural limestone

**Trikkel, Andres; Kuusik, Rein, keemik** Oil shale 2003 / 4, p. 491-500 : ill [https://artiklid.elnet.ee/record=b1014398\\*est](https://artiklid.elnet.ee/record=b1014398*est)

## Modelling continuous process for precipitated calcium carbonate production from oil shale ash

**Tamm, Kadriann; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** GHGT-13 : 13th International Conference on Greenhouse Gas Control Technologies : November 14th-18th, 2016, SwissTech Convention Center - Lausanne, Switzerland : conference programme 2016 / p. 67

**Modelling continuous process for precipitated calcium carbonate production from oil shale ash**

**Tamm, Kadriann; Kallas, Juha; Kuusik, Rein, keemik; Uibu, Mai** Energy procedia 2017 / p. 5409-5416 : ill  
<https://doi.org/10.1016/j.egypro.2017.03.1685> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Modelling of CO2 mass transfer and hydrodynamics in a semi-batch reactor**

**Velts, Olga; Hautaniemi, Marjaana; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** Journal of international scientific publication : materials, methods & technologies 2010 / 2, p. 68-79 : ill  
[https://www.researchgate.net/publication/284688605\\_Modelling\\_of\\_CO2\\_mass\\_transfer\\_and\\_hydrodynamics\\_in\\_a\\_semi-batch\\_reactor](https://www.researchgate.net/publication/284688605_Modelling_of_CO2_mass_transfer_and_hydrodynamics_in_a_semi-batch_reactor)

**Modelling of decomposition and sulphation processes of oil shale carbonaceous part**

**Trikkel, Andres; Kuusik, Rein, keemik** Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 70-71  
[https://www.researchgate.net/publication/228493894\\_Modeling\\_of\\_decomposition\\_and\\_sulphation\\_of\\_oil\\_shale\\_carbonates\\_on\\_the\\_basis\\_of\\_natural\\_limestone](https://www.researchgate.net/publication/228493894_Modeling_of_decomposition_and_sulphation_of_oil_shale_carbonates_on_the_basis_of_natural_limestone) [https://www.ester.ee/record=b1703301\\*est](https://www.ester.ee/record=b1703301*est)

**Modelling SO2 capture by Estonian limestones and dolomites**

**Trikkel, Andres; Zevenhoven, Ron; Kuusik, Rein, keemik** Proceedings of the Estonian Academy of Sciences. Chemistry 2000 / 1, p. 53-70 [https://artiklid.elnet.ee/record=b1003256\\*est](https://artiklid.elnet.ee/record=b1003256*est)

**Modified CaS process on the basis of phosphogypsum**

**Trikkel, Andres; Kuusik, Rein, keemik** Tallinna Tehnikaülikooli Toimetised 1994 / lk. 45-57: ill

**Mõnede Eesti maavarade uutest kasutusvõimalustest**

**Kuusik, Rein, keemik** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 61-64

**Mõttetu tuhk või väärtuslik teemant?**

**Alvela, Ain** Tehnikamaailm 2018 / lk. 80-84 : fot [http://www.ester.ee/record=b1073050\\*est](http://www.ester.ee/record=b1073050*est) [https://artiklid.elnet.ee/record=b2834540\\*est](https://artiklid.elnet.ee/record=b2834540*est)

**Natural minerals opoka and glauconite as sorbents for acidic gases**

**Kavaliuskaite, Inga; Denafas, Gintaras; Uibu, Mai; Kuusik, Rein, keemik** Environmental research, engineering and management 2006 / 3, p. 36-42 : ill  
[https://www.researchgate.net/publication/228751613\\_Natural\\_Minerals\\_Opoka\\_and\\_Glauconite\\_as\\_Sorbents\\_for\\_Acidic\\_Gases](https://www.researchgate.net/publication/228751613_Natural_Minerals_Opoka_and_Glauconite_as_Sorbents_for_Acidic_Gases)

**A new dual coagulant for water purification**

**Kuusik, Rein, keemik; Viisimaa, Ludmilla** Water research 1999 / 9, p. 2075-2082: ill

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

**Tõnsuaadu, Kaia; Kallas, Juha; Kuusik, Rein, keemik; Hacıalioglu-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](#)

**Occurrence of heavy metals in phosphate fertilizers and industrial wastes**

**Viisimaa, Ludmilla; Hödrejärvi, Helvi; Kuusik, Rein, keemik; Berezin, Grigori** Kemia-kemi = [Finnish chemistry] 1991 / p. 970-971  
[https://www.ester.ee/record=b1201067\\*est](https://www.ester.ee/record=b1201067*est)

**Oil shale ash as a catalyst in wastewater treatment in the pulp and paper industry**

**Kindsigo, Merit; Kuusik, Rein, keemik; Kallas, Juha** Waste management and the environment. V 2010 / p. 403-414 : ill

**Oil shale ash as a source of calcium for calcium carbonate : process feasibility, mechanism and modeling = Põlevkivituhk kaltsiumkarbonaadi toormena : protsessi teostatavus, mehhanism ja modelleerimine**

**Velts, Olga** 2011

**Oil shale ash based backfilling concrete - strength development, mineral transformations and leachability**

**Uibu, Mai; Somelar, Peeter; Raado, Lembi-Merike; Irha, Natalja; Hain, Tiina; Koroljova, Arina; Kuusik, Rein, keemik** Construction and building materials 2016 / p. 620-630 : ill <https://doi.org/10.1016/j.conbuildmat.2015.10.197> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Oil shale ash based stone formation - hydration, hardening dynamics and phase transformations**

**Raado, Lembi-Merike; Kuusik, Rein, keemik; Hain, Tiina; Uibu, Mai; Somelar, Peeter** Oil shale 2014 / p. 91-101 : ill  
[https://artiklid.elnet.ee/record=b2664060\\*est](https://artiklid.elnet.ee/record=b2664060*est) <https://doi.org/10.3176/oil.2014.1.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Oil shale ash deposits as natural CO<sub>2</sub> binders**

**Kuusik, Rein, keemik; Veskimäe, Helgi; Kaljuvee, Tiit;** Keltman, A. Fifth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe : 12-14 September 2000, Prague, Czech Republic : symposium program 2000 / p. 155

### **Oil shale ash deposits as natural CO<sub>2</sub> binders [Electronic resource]**

**Kuusik, Rein, keemik; Veskimäe, Helgi; Kaljuvee, Tiit;** Keltman, A. Fifth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe : 12-14 September 2000, Prague, Czech Republic : proceedings 2001 / [9] p., [CD-ROM]

### **Oil shale ashes as binders of acid gases**

**Kuusik, Rein, keemik; Kaljuvee, Tiit;** Kulp, Igor; **Uibu, Mai** Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 71-72 [https://www.ester.ee/record=b1703301\\*est](https://www.ester.ee/record=b1703301*est)

### **Oil shale ashes as dry sorbents for acidic flue gases**

**Triikkel, Andres; Kaljuvee, Tiit; Keelmann, Merli; Kuusik, Rein, keemik** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 92-93 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

### **Open-air deposition of Estonian oil shale ash : formation, state of art, problems and prospects for the abatement of environmental impact**

**Kuusik, Rein, keemik; Uibu, Mai;** Kirsimäe, Kalle; Mõtlep, Riho; Meriste, Tõnis Oil shale 2012 / p. 376-403 : ill [https://kirj.ee/public/oilshale\\_pdf/2012/issue\\_4/Oil-2012-4-376-403.pdf](https://kirj.ee/public/oilshale_pdf/2012/issue_4/Oil-2012-4-376-403.pdf)

### **Options for geological storage of CO<sub>2</sub> in the Baltic Sea region**

Sliaupa, Saulius; **Šogenova, Alla; Šogenov, Kazbulat; Kuusik, Rein, keemik** 3rd International Conference Geosciences and Environment : 27-29 May 2012, Belgrade 2012 / p. 80-83 : ill

### **Oxy-fuel combustion of Estonian oil shale : kinetics and modeling**

**Yörük, Can Rüstü; Meriste, Tõnis; Triikkel, Andres; Kuusik, Rein, keemik** Energy procedia 2016 / p. 124-133 : ill <https://doi.org/10.1016/j.egypro.2016.01.013> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **PAHs in leachates from thermal power plant wastes and ash-based construction materials**

Irha, Natalja; Reinik, Janek; Jefimova, Jekaterina; **Koroljova, Arina; Raado, Lembi-Merike; Hain, Tiina; Uibu, Mai; Kuusik, Rein, keemik** Environmental science and pollution research 2015 / p. 11877-11889 : ill <https://doi.org/10.1007/s11356-015-4459-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Phosphorus removal from solutions by carbonaceous wastes**

**Veskimäe, Helgi; Kuusik, Rein, keemik; Veiderma, Mihkel** Proceedings of the Estonian Academy of Sciences. Chemistry 1997 / 1/2, p. 21-30

### **Physicochemical factors affecting aqueous carbonation of oil shale ash**

**Uibu, Mai; Kuusik, Rein, keemik** Proceedings of the 4th International Conference on Accelerated Carbonation for Environmental and Materials Engineering : ACEME 2013 : April 9-12, 2013, Leuven, Belgium 2013 / p. 295-304 : ill

### **Physico-chemical transformations during thermal treatment of phosphorites and solubility of the products**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veiderma, Mihkel** Third International Symposium on Inorganic Phosphate Materials : Villeneuve d'Ascq, France, September 14-16, 1999 : book of abstracts 1999 / p. P.2.17 [https://www.researchgate.net/publication/276322876\\_PHYSICO-CHEMICAL\\_TRANSFORMATIONS\\_DURING\\_THERMAL\\_TREATMENT\\_OF\\_PHOSPHORITES\\_AND\\_SOLUBILITY\\_OF\\_THE\\_PRODUCTS](https://www.researchgate.net/publication/276322876_PHYSICO-CHEMICAL_TRANSFORMATIONS_DURING_THERMAL_TREATMENT_OF_PHOSPHORITES_AND_SOLUBILITY_OF_THE_PRODUCTS)

### **Physico-chemical transformations during thermal treatment of phosphorites and solubility of the products**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; 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. 335-340: ill

### **Possibilities for geological storage and mineral trapping of industrial CO<sub>2</sub> emissions in the Baltic region**

**Šogenova, Alla;** Sliaupa, Saulius; **Šogenov, Kazbulat;** Sliaupiene, Rasa; Pomeranceva, Raisa; **Vaher, Rein; Uibu, Mai; Kuusik, Rein, keemik** Energy procedia 2009 / p. 2753-2760 : ill

### **Possibilities of deeper desulfurization of blue gases by oil shale ash components in different burning technologies**

Rundõgin, J.; Alfimov, G.; Rundõgin, A.; Grigorjev, K.; Maarend, Jaak; Arhipov, J.; **Kuusik, Rein, keemik** Oil shale 1997 / 2, p. 115-131

### **Predicting CO<sub>2</sub> and SO<sub>2</sub> emissions in the Baltic States through reorganization of energy infrastructure**

Denafas, Gintaras; Sitnikovas, Denisas; Galinis, Arvydas; Kudrenickis, Ivars; Klavs, Gaidis; **Kuusik, Rein, keemik** Environment international 2004 / p. 1045-1053 : ill

**Prediction of flue gas composition and comparative overall process evaluation for air and oxyfuel combustion of Estonian oil shale, using aspen plus process simulation**

**Yörük, Can Rüstü; Trikkel, Andres; Kuusik, Rein, keemik** Energy & fuels 2016 / p. 5893-5900 : ill

<https://doi.org/10.1021/acs.energyfuels.6b00022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Preparation of carbon aerogels from 5-methylresorcinol-formaldehyde gels**

**Perez-Caballero, Fernando; Peikolainen, Anna-Liisa; Uibu, Mai; Kuusik, Rein, keemik; Volobujeva, Olga; Koel, Mihkel**

Microporous and mesoporous materials 2008 / p. 230-236 : ill

**Problems of desulfurization of flue gas at Estonian and Baltic thermal power plants**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Jegorov, D.; Maarend, Jaak** Energy and environment 1991 : International Symposium on

Energy and Environment, August 25-28, 1991, Espoo, Finland 1991 / p. 489

**Production of magnesium carbonates from serpentinite for long-term storage of CO<sub>2</sub>**

**Teir, Sebastian; Kuusik, Rein, keemik; Fogelholm, Carl-Johan; Zevenhoven, Ron** International journal of mineral processing 2007 /

[15] p <https://www.sciencedirect.com/science/article/pii/S0301751607001780>

**Professor Rein Kuusiku kõne 2009. aasta teaduse riikliku preemia laureaaside nimel**

**Kuusik, Rein, keemik** Mente et Manu 2010 / lk. 2 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Projekti Global Traps neljas tööseminar : [Marokos 16.-18. märtsil 2012]**

**Kuusik, Rein, keemik** Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 260-263

**Prospects for CO<sub>2</sub> mineralization in Estonia**

**Kuusik, Rein, keemik; Uibu, Mai** GEO ENERGY : the newsletter of the ENERG Network 2012 / p. [3] : ill

**Prospects for use of oil shale fly ash as filler in polymeric compounds**

**Viikna, Anti; Süld, Tiia-Maaja; Kuusik, Rein, keemik** International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 /

p. 77

**Prospects in waste oil shale ash sustainable valorization**

**Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** World Academy of Science, Engineering and Technology 2011 / p.

451-455 : ill

**Põlevkivi tolmpõletus- ja keevkihttuhkade vesisuspensiooni karboniseerimine**

**Uibu, Mai; Muulmann, Mari-Liis; Kuusik, Rein, keemik** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th

Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 126

**Põlevkivituha kasutamise laiendamiseks on käivitunud mitu uut projekti**

**Kuusik, Rein, keemik; Meriste, Tõnis; Pototski, Aleksander** Keskkonnatehnika 2012 / lk. 8-9

[https://artiklid.elnet.ee/record=b2491972\\*est](https://artiklid.elnet.ee/record=b2491972*est)

**Põlevkivituha korduvkasutamine SO<sub>2</sub> sorbendina**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Trikkel, Andres** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 /

lk. 59: ill

**Põlevkivituha vesisuspensioonid CO<sub>2</sub> sidujana**

**Uibu, Mai; Kuusik, Rein, keemik** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry

Days : abstracts of scientific conference 2002 / lk. 154-155

**Põlevkivituhk vääveldioksiidi sidujana**

**Kaljuvee, Tiit; Trikkel, Andres; Kuusik, Rein, keemik** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th

Estonian chemistry days : abstracts of scientific conference 1995 / lk. 37-39

**Põlevkivituhkade reaktsioonivõime vääveldioksiidiga = Reactivity of oil shale ashes towards sulphur dioxide**

**Trikkel, Andres; Kaljuvee, Tiit; Kuusik, Rein, keemik** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th

Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 209-210 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Reactivity of oil shale ashes in SO<sub>2</sub> and CO<sub>2</sub> binding**

**Kaljuvee, Tiit; Trikkel, Andres; Kulp, Igor; Kuusik, Rein, keemik** First Baltic Symposium on Environmental Chemistry : 26-29

September 2001, Tartu, Estonia : abstracts 2001 / p. 52-53

**Reactivity of oil shale ashes in the binding of SO<sub>2</sub>**

**Kaljuvee, Tiit; Toom, Merli; Trikkel, Andres; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2007 / 1, p. 51-58 :

ill

## **Reactivity of oil shale ashes towards SO<sub>2</sub>**

**Kaljuvee, Tiit; Toom, Merli; Triikkel, Andres; Kuusik, Rein, keemik** ESTAC 9 : 9th European Symposium on Thermal Analysis and Calorimetry : 27-31 August 2006, Krakow, Poland : [book of abstracts] 2006 / p. 245

## **Reactivity of oil shale ashes towards sulfur dioxide. 2, Low-temperature ashes formed by using CFBC technology**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Triikkel, Andres; Arro, Hendrik** Oil shale 1999 / 1, p. 51-63: ill

[https://artiklid.elnet.ee/record=b1000612\\*est](https://artiklid.elnet.ee/record=b1000612*est)

## **Reactivity of oil shale ashes towards sulfur dioxide. 3, Recurrent use of ash for flue gas purification**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Veskimäe, Helgi; Roundygin, Yu.; Keltman, A.** Oil shale 1999 / 4, p. 303-313: ill

[https://artiklid.elnet.ee/record=b1000612\\*est](https://artiklid.elnet.ee/record=b1000612*est)

## **Reactivity of oil shale ashes towards sulfur dioxide. 1, Activation of high-temperature ashes**

**Kaljuvee, Tiit; Triikkel, Andres; Kuusik, Rein, keemik** Oil shale 1997 / 3, p. 393-407: ill

## **Recurrent use of oil shale ash as sorbent for SO<sub>2</sub> removal**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Triikkel, Andres** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 65

## **Reducing of carbon dioxide emissions at oil shale ash deposition**

**Pihu, Tõnu; Arro, Hendrik; Konist, Alar; Kuusik, Rein, keemik; Prikk, Arvi; Uibu, Mai** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 49-50

[http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

## **Reduction of CO<sub>2</sub> emissions by carbonation of alkaline wastewater**

**Uibu, Mai; Velts, Olga; Triikkel, Andres; Kuusik, Rein, keemik** Air pollution XVI 2008 / p. 311-320 : ill

## **Refined coagulant for water purification from Estonian glauconite. 1, Digesting glauconite with sulphuric acid in slurries**

**Kuusik, Rein, keemik; Viisimaa, Ludmilla; Aasamäe, Ernst** Proceedings of the Estonian Academy of Sciences. Chemistry 1996 / 1/2, p. 42-55

## **Refined coagulant for water purification from Estonian glauconite. 2, Characteristics of the products and solid wastes**

**Kuusik, Rein, keemik; Viisimaa, Ludmilla; Aasamäe, Ernst** Proceedings of the Estonian Academy of Sciences. Chemistry 1996 / 1/2, p. 56-69

## **Rein Kuusik : [elulooandmeid]**

**Kuusik, Rein, keemik** Jõgeva Keskkooli XI lennu lugu 1959-2019 2019 / lk. 52-53 : fot [https://www.ester.ee/record=b5232099\\*est](https://www.ester.ee/record=b5232099*est)

## **Reuse of waste ashes formed at oil shale based power industry in Estonia**

**Kuusik, Rein, keemik; Uibu, Mai; Triikkel, Andres; Kaljuvee, Tiit** Waste management and the environment III 2006 / p. 111-120 : ill

## **A review of mineral carbonation technologies to sequester CO<sub>2</sub>**

**Sanna, Aimaro; Uibu, Mai; Caramanna, Giorgio; Kuusik, Rein, keemik; Maroto-Valer, M.** Mercedes Chemical Society reviews 2014 / p. 8049-8080 : ill <https://doi.org/10.1039/C4CS00035H> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

## **Role of defects in the physiological fate of carbon nanomaterials**

**Käkinen, Aleksandr; Kuusik, Rein, keemik** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

## **Saateks = Foreword**

**Kuusik, Rein, keemik** Anorgaaniliste materjalide teaduslaboratoorium 2002-2014 : bibliograafia = Laboratory of inorganic materials 2002-2014 : bibliography 2015 / lk. 7-14 [https://www.ester.ee/record=b4480425\\*est](https://www.ester.ee/record=b4480425*est)

## **Seasonal binding of atmospheric CO<sub>2</sub> by oil shale ash**

**Uibu, Mai; Kuusik, Rein, keemik; Veskimäe, Helgi** Oil shale 2008 / 2, p. 254-266 : ill [https://artiklid.elnet.ee/record=b2384425\\*est](https://artiklid.elnet.ee/record=b2384425*est)

## **Separation of phases by acidic treatment of glauconite**

**Viisimaa, Ludmilla; Kuusik, Rein, keemik** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 166

## **Simplified model of oxy-combustion for Estonian oil shale**

**Yörük, Can Rüstü; Triikkel, Andres; Uibu, Mai; Kuusik, Rein, keemik** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

## **SO<sub>2</sub> binding at the combustion of oil shale in the mixture with semicoke**

**Trikkel, Andres; Kaljuvee, Tiit; Kuusik, Rein, keemik** The Baltic Sea and Its Environment : ESTO-96 Twin Symposium, August 6 and 9, 1996, Stockholm-Tallinn 1997 / p. 76-77

#### **SO<sub>2</sub> binding by co-combustion of oil shale and coal**

**Kaljuvee, Tiit; Kuusik, Rein, keemik** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 26

#### **SO<sub>2</sub> binding during CO-combustion of fossil fuels**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Trikkel, Andres** Third International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, September 10-13, 1996, Warsaw, Poland : proceedings 1996 / p. 864-866

#### **SO<sub>2</sub> binding during CO-combustion of fossil fuels**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Trikkel, Andres** Third International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, September 10-13, 1996, Warsaw, Poland : symposium program 1996 / p. 105

#### **SO<sub>2</sub> binding into the solid phase at thermooxidation of blends based on Estonian oil shale semicoke**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Trikkel, Andres** ESTAC 8 : 8th European Symposium on Thermal Analysis and Calorimetry, Barcelona, Spain, August 25-29, 2002 : abstracts book 2002 / p. 26

#### **SO<sub>2</sub> binding into the solid phase during thermooxidation of blends : Estonian oil shale semicoke**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Trikkel, Andres** 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. 393-404 : ill <https://link.springer.com/article/10.1023/A:1023973231597>

#### **Some possibilities of granulation of oil shale ashes**

**Kaljuvee, Tiit; Hälvin, Herki; Loide, Valli; Kuusik, Rein, keemik** International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 / p. 73-74

#### **Strength development and leachability of oil shale ash based backfilling concrete**

**Uibu, Mai; Somelar, Peeter; Raado, Lembi-Merike; Irha, Natalja; Kuusik, Rein, keemik** International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 46-47

#### **Strong and chemically inert sinter crystallised glass ceramics based on Estonian oil shale ash**

Maragoni, Mauro; Ponsot, I.; **Kuusik, Rein, keemik; Bernardo, E.** Advances in applied ceramics 2014 / p. 120-128 : ill <https://doi.org/10.1179/1743676113Y.0000000132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Study of thermooxidation of oil shale samples and basics of processes for utilization of oil shale ashes**

**Kaljuvee, Tiit; Uibu, Mai; Yörük, Can Rüstü; Einard, Marve; Trikkel, Andres; Kuusik, Rein, keemik; Trass, Olev; Štubna, Igor; Hulan, Tomaš; Loide, Valli; Jefimova, Jekaterina** Minerals 2021 / at. 193 <https://doi.org/10.3390/min11020193> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Sulphation and carbonization of oil shale CFBC ashes in heterogeneous systems**

**Kuusik, Rein, keemik; Uibu, Mai; Toom, M.; Muulmann, Mari-Liis; Kaljuvee, Tiit; Trikkel, Andres** Oil shale 2005 / 4S, p. 421-434 : ill [https://artiklid.elnet.ee/record=b2352615\\*est](https://artiklid.elnet.ee/record=b2352615*est)

#### **Sulphation of Estonian calcareous rocks**

**Trikkel, Andres; Aasa, Priit; Kuusik, Rein, keemik** ESTAC-7 : 7th European Symposium on Thermal Analysis and Calorimetry, Aug. 30 - Sept. 4, 1998, Balatonfüred, Hungary : book of abstracts 1998 / p. 324

#### **Sõbrad, meie rõõmsas ringis... : [TPI Akadeemilise meeskoori 20. aastapäevaks]**

1965 [https://www.ester.ee/record=b1143644\\*est](https://www.ester.ee/record=b1143644*est)

#### **Süsihappegaasi sidumine põlevkivituhaga looduslikes tingimustes**

**Kuusik, Rein, keemik; Veskimäe, Helgi; Kaljuvee, Tiit** XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 73

#### **Süsinikdioksiidi emissiooni piiramine energiatootmises - suundumused maailmas ja perspektiivid Eestis**

**Kuusik, Rein, keemik; Uibu, Mai** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 51

#### **Teaduspreemia tehnikateaduste alal tööde tsükli "Uurimusi happeliste gaaside emissiooni piiramiseks energeetikas" eest : [Rein Kuusik (kollektiivi juht), Andres Trikkel, Tiit Kaljuvee]**

**Kuusik, Rein, keemik; Trikkel, Andres; Kaljuvee, Tiit** Eesti Vabariigi teaduspreemiad 2010 2010 / lk. 86-109 : fot., ill

#### **Techno-economic modelling of the Baltic CCUS onshore scenario**

**Šogenova, Alla; Šogenov, Kazbulat; Uibu, Mai; Kuusik, Rein, keemik; Simmer, Karl** Baltic Carbon Forum 2022 / p. 4 <https://doi.org/10.21595/bcf.2022.22841>

### **Techno-economic modelling of the Baltic CCUS onshore scenario : [PowerPoint presentation]**

**Šogenova, Alla; Šogenov, Kazbulat; Simmer, Karl; Uibu, Mai; Kuusik, Rein, keemik** 2022

[https://bcforum.net/forum\\_presentations2022/03\\_03\\_Dr.%20Alla%20Shogenova%20\(TalTech,%20Estonia\)%20.pdf](https://bcforum.net/forum_presentations2022/03_03_Dr.%20Alla%20Shogenova%20(TalTech,%20Estonia)%20.pdf)

### **Techno-economic modelling of the Baltic CCUS onshore scenario for the cement industry supported by CLEANER project**

**Šogenova, Alla; Šogenov, Kazbulat; Uibu, Mai; Kuusik, Rein, keemik; Simmer, Karl; Canonico, Fulvio** Proceedings of the

15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 / 13 p. : ill <https://ssrn.com/abstract=3817710>

<https://doi.org/10.2139/ssrn.3817710>

### **Teenitud tunnustus : [tänuõnad keemiahoone renoveeritud juurdeehituse eest]**

**Kuusik, Rein, keemik** Mente et Manu 2004 / 20. veebr., lk. 5 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Termilised protsessid fosfaatide tehnoloogias**

**Kuusik, Rein, keemik** Tallinna Polütehnik : TPI parteikomitee, rektoraadi, komsomolikomitee, ametiühingukomitee häälekandja

1984 / lk. 2 [https://www.ester.ee/record=b1254708\\*est](https://www.ester.ee/record=b1254708*est) <https://digikogu.taltech.ee/et/Item/1d57a69a-61e6-4b8b-8ccf-0e01cdb1e712>

### **TG-FTIR analysis of oxidation kinetics of some solid fuels under oxy-fuel conditions**

**Meriste, Tõnis; Yörük, Can Rüstü; Trikkel, Andres; Kaljuvee, Tiit; Kuusik, Rein, keemik** Journal of thermal analysis and

calorimetry 2013 / p. 483-489 : ill <https://doi.org/10.1007/s10973-013-3063-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics](#)

[at WOS](#) [Article at WOS](#)

### **TG-FTIR analysis of oxidation kinetics of some solid fuels under oxy-fuel conditions**

**Meriste, T.; Yörük, Can Rüstü; Trikkel, Andres; Kuusik, Rein, keemik** ICTAC 15 - 15th International Congress on Thermal

Analysis and Calorimetry : August 20-24, 2012, Osaka 2012 <https://link.springer.com/article/10.1007/s10973-013-3063-x>

### **The behaviour of Ca-Mg-silicates in direct aqueous carbonation of oil shale ash [Electronic resource]**

**Uibu, Mai; Kuusik, Rein, keemik** Innovation for Sustainable Production 2010. Conference 5. Carbon Capture and Storage (CCS) :

[18-21 April, 2010] : proceedings 2010 / p. 75-79 : ill. [CD-ROM]

### **The CO<sub>2</sub>-binding by Ca-Mg-silicates in direct aqueous carbonation of oil shale ash and steel slag**

**Uibu, Mai; Kuusik, Rein, keemik; Andreas, Lale; Kirsimäe, Kalle** Energy procedia 2011 / p. 925-932 : ill

[https://www.researchgate.net/publication/251711714\\_The\\_CO\\_2\\_-binding\\_by\\_Ca-Mg-silicates\\_in\\_direct\\_aqueous\\_carbonation\\_of\\_oil\\_shale\\_ash\\_and\\_steel\\_slag](https://www.researchgate.net/publication/251711714_The_CO_2_-binding_by_Ca-Mg-silicates_in_direct_aqueous_carbonation_of_oil_shale_ash_and_steel_slag)

### **The composition and properties of ash in the context of the modernisation of oil shale industry**

**Uibu, Mai; Tamm, Kadriann; Viies, Regiina; Reinik, Janek; Somelar, Peeter; Raado, Lembi-Merike; Hain, Tiina; Kuusik, Rein,**

**keemik; Trikkel, Andres** Oil shale 2021 / p. 155-176 : ill <https://doi.org/10.3176/oil.2021.2.04> [Journal metrics at Scopus](#) [Article at](#)

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

### **The emission of sulphur dioxide during thermal treatment of some fossil fuels**

**Kaljuvee, Tiit; Kuusik, Rein, keemik** ESTAC-7 : 7th European Symposium on Thermal Analysis and Calorimetry, Aug. 30 - Sept. 4,

1998, Balatonfüred, Hungary : book of abstracts 1998 / p. 306 <https://link.springer.com/article/10.1023/A:1010133801908>

### **The influence of lime-containing additives on the thermal behaviour of ammonium nitrate**

**Kaljuvee, Tiit; Edro, Evelin; Kuusik, Rein, keemik** Book of abstracts : MEDICTA 2007 : the 8th Mediterranean Conference on

Calorimetry and Thermal Analysis : September 25th - September 29th, 2007, Palermo, Italy 2007 / p. 210

<https://link.springer.com/content/pdf/10.1007/s10973-007-8769-1.pdf>

### **The Nordic CO<sub>2</sub> sequestration (NoCO<sub>2</sub>) project**

**Mattisson, Tobias; Lyngfelt, Anders; Zevenhoven, Ron; Gundersen, Truls; Stenby, Erling H.; Kuusik, Rein, keemik; Denafas,**

**Gintaras; Ilinsky, Alexander; Blumberg, Dagnija** GHGT-8 : 8th International Conference on Greenhouse Gas Control Technologies :

19-22 June 2006, Trondheim, Norway : book of abstracts, posters 2006 / p. 215-216

### **The role of MgO in the binding of SO<sub>2</sub> by lime-containing materials**

**Kaljuvee, Tiit; Trikkel, Andres; Kuusik, Rein, keemik; Bender, Villem** 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. 315

<https://link.springer.com/article/10.1007/s10973-005-0699-1>

### **The role of MgO in the binding of SO<sub>2</sub> by lime-containing materials**

**Kaljuvee, Tiit; Trikkel, Andres; Kuusik, Rein, keemik; Bender, Villem** Journal of thermal analysis and calorimetry 2005 / p. 591-

597

### **The role of physico-chemical properties and test environment on biological effects of copper and silver nanoparticles =**

**Vase ja hõbeda nanoosakeste füüsikalise-keemiliste omaduste ja testikeskkonna mõju nende bioloogilisele toimel**

**Käkinen, Aleksandr** 2014 [https://www.ester.ee/record=b3078755\\*est](https://www.ester.ee/record=b3078755*est)

### **The sulfur intermediate oxidation forms in oil shale ash suspension**

**Tamm, Kadriann; Kuusik, Rein, keemik; Uibu, Mai; Kallas, Juha; Priks, Hans** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p

### **Thermal analysis of oxy-combustion of Estonian oil shale : kinetics of process stages**

**Triikkel, Andres; Meriste, Tõnis; Yörük, Can Rüstü; Kuusik, Rein, keemik** 3rd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 25-28 August 2015, Ljubljana, Slovenia : book of abstracts 2015 / p. 59

### **Thermal and kinetic characteristics of some oil shale samples**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Petkova, Vilma** Thermophysics and mass transfer in materials science and construction 2015 / p. 67-74 <http://dx.doi.org/10.4028/www.scientific.net/AMR.1126.67>

### **Thermal behavior of some Estonian clays and their mixtures with oil shale ash additives**

**Kaljuvee, Tiit; Štubna, Igor; Somelar, Peeter; Mikli, Valdek; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2014 / p. 891-899 : ill <https://doi.org/10.1007/s10973-014-3797-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Thermal behaviour of some Estonian clays and their mixtures with oil shale ash additives**

**Kaljuvee, Tiit; Štubna, Igor; Somelar, Peeter; Mikli, Valdek; Kuusik, Rein, keemik** Book of abstracts : 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, 27-30 August 2013, Vilnius, Lithuania 2013 / p. 231

### **Thermal decomposition of calcium sulfate in carbon monoxide**

**Kuusik, Rein, keemik; Saikkonen, P.; Niinistö, Lauri** Journal of thermal analysis : an international forum for communications on thermal investigations 1985 / p. 187-193 : ill [https://www.estel.ee/record=b1524801\\*est](https://www.estel.ee/record=b1524801*est)

### **Thermal processes for utilizing waste phosphogypsum**

**Triikkel, Andres; Kuusik, Rein, keemik** Kemia-kemi 1991 / p. 970 [https://www.estel.ee/record=b1201067\\*est](https://www.estel.ee/record=b1201067*est)

### **Thermal processing of phosphogypsum**

**Kuusik, Rein, keemik; Veiderma, Mihkel** Proceedings of the Third International Symposium on Phosphogypsum, Orlando, Florida : December 1990. Vol. 1 1990 / p. 267-279 : ill

### **Thermodynamic and kinetic study of CaS in aqueous systems**

**Tamm, Kadriann; Uibu, Mai; Kallas, Juha; Kallaste, Priit; Velts-Jänes, Olga; Kuusik, Rein, keemik** Fuel processing technology 2016 / p. 242-249 : ill <https://doi.org/10.1016/j.fuproc.2015.10.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Thermogravimetric analysis and process simulation of oxyfuel combustion of blended fuels including oil shale,semicoke, and biomass**

**Yörük, Can Rüstü; Meriste, Tõnis; Sener, Sener; Kuusik, Rein, keemik; Triikkel, Andres** International journal of energy research 2018 / p. 2213-2224 : ill <https://doi.org/10.1002/er.4011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A thermogravimetric method for comparing the SO<sub>2</sub>-binding abilities of different lime-containing materials**

**Kuusik, Rein, keemik; Triikkel, Andres** Journal of thermal analysis 1995 / p. 111-121: ill

### **Thermo-oxidation characteristics of oil shale and oil shale char under oxy-fuel combustion conditions**

**Yörük, Can Rüstü; Meriste, Tõnis; Triikkel, Andres; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2015 / p. 509-516 : ill <https://doi.org/10.1007/s10973-015-4484-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Thermo-oxidation characteristics of oil shale and oil shale char under oxy-fuel combustion conditions**

**Yörük, Can Rüstü; Meriste, Tõnis; Triikkel, Andres; Kuusik, Rein, keemik** ESTAC-11 : the 11th European Symposium on Thermal Analysis and Calorimetry : Dipoli Congress Center, Espoo, Finland, August 17-21, 2014 : abstracts 2014 / p. 102

### **Thermooxidative decomposition of oil shales**

**Kaljuvee, Tiit; Keelmann, Merli; Triikkel, Andres; Kuusik, Rein, keemik** ESTAC10 : 10th European Symposium on Thermal Analysis and Calorimetry : August 22-27, 2010, Rotterdam, The Netherlands : abstract book 2010 / p. 145 <https://link.springer.com/article/10.1007/s10973-010-1033-0>

### **Thermooxidative decomposition of oil shales**

**Kaljuvee, Tiit; Keelmann, Merli; Triikkel, Andres; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2011 / p. 395-403

### **Transformation of calcareous oil-shale circulating fluidized-bed combustion boiler ashes under wet conditions**

Liira, Martin; Kirsimäe, Kalle; **Kuusik, Rein, keemik**; Mõtlep, Riho Fuel 2009 / p. 712-718 : ill  
<https://www.sciencedirect.com/science/article/pii/S0016236108003268>

#### **Transformations in oil shale ash at wet deposition**

**Kuusik, Rein, keemik; Paat, Aadu; Veskimäe, Helgi; Uibu, Mai** Oil shale 2004 / 1, p. 27-42 : ill  
[https://artiklid.elnet.ee/record=b1015101\\*est](https://artiklid.elnet.ee/record=b1015101*est)

#### **Transformations in the solid and liquid phase at aqueous carbonization of oil shale ash**

**Uibu, Mai; Triikkel, Andres; Kuusik, Rein, keemik** Ecosystems and sustainable development. VI 2007 / p. 473-482 : ill

#### **Transformations of sulfides during aqueous carbonation of oil shale ash**

**Tamm, Kadriann; Kuusik, Rein, keemik; Uibu, Mai; Kallas, Juha** GHGT-11 Proceedings of the 11th International Conference on Greenhouse Gas Control Technologies, 18-22 November 2012, Kyoto, Japan 2013 / p. 5905-5912 : ill  
<https://doi.org/10.1016/j.egypro.2013.06.516> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

#### **Transformations of sulfur compounds in oil shale ash suspension**

**Tamm, Kadriann; Kuusik, Rein, keemik; Uibu, Mai; Kallas, Juha** Waste management and the environment VI 2012 / p. 25-35 : ill  
<https://www.witpress.com/eliibrary/wit-transactions-on-ecology-and-the-environment/163/23681>

#### **Transitions of sulphur compounds at combustion of oil shale processing solid waste**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Triikkel, Andres; Radin, Maia** Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 83-84 [https://www.ester.ee/record=b1703301\\*est](https://www.ester.ee/record=b1703301*est)

#### **Tulemuslikkus, tulemuslikkus!**

**Kuusik, Rein, keemik; Küttner, Rein** Tehnikaülikool 1997 / 24. märts, lk. 8 [https://www.ester.ee/record=b5309277\\*est](https://www.ester.ee/record=b5309277*est)

#### **Tööstusjäätmed energiaallikana**

**Koel, Mihkel; Kuusik, Rein, keemik** Taastuvate energiaallikate uurimine ja kasutamine : neljanda konverentsi kogumik = Investigation and usage of renewable energy sources : fourth conference proceedings : Tartu, Estonia, 2003 2003 / lk. 17-24

#### **Types of oil shale ash and methods for increasing their reactivity**

**Kuusik, Rein, keemik; Kaljuvee, Tiit** Turning a problem into a resource: remediation and waste management at the Sillamäe site, Estonia 2000 / p. 215-222 [https://link.springer.com/chapter/10.1007/978-94-011-4092-8\\_26](https://link.springer.com/chapter/10.1007/978-94-011-4092-8_26)

#### **Use of a dry SO<sub>2</sub>-removal method at thermal power plants**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Triikkel, Andres; Jegorov, D.** Chemrawn VIII : World Conference on Chemistry and Sustainable Development Towards a Clean Environment, Zero Wastes, and Highest Energy Efficiency, Moscow, 7-10 Sept. 1992 1992

#### **Use of oil shale waste ash for flue gas desulphurization**

Rundögin, J.; Alfimov, G.; Grigoryev, K.A.; Rundögin, A.; **Kuusik, Rein, keemik; Kaljuvee, Tiit** Proceedings of the 4th International Symposium on Coal Combustion : 4th ISCC : August 18-21, 1999, Beijing, P.R. China 1999 / p. 171-176

#### **Using thermogravimetry to determine the SO<sub>2</sub> binding ability of different calcium-based sorbents**

**Triikkel, Andres; Kuusik, Rein, keemik; Kaljuvee, Tiit** 15th Nordic Symposium for Thermal Analysis and Calorimetry, Helsinki, Finland, Nov. 13-15, 1996 : programme, extended abstracts 1996 / P.10 [2 p.]

#### **Utilization of Estonian oil shale retorting solid waste**

**Triikkel, Andres; Kuusik, Rein, keemik** Proceedings of International conference on oil shale "Recent Trends in Oil Shale" : Amman, Jordan, 7-9.November 2006 2006 / [13] p

#### **Utilization of Estonian oil shale semicoke**

**Triikkel, Andres; Kuusik, Rein, keemik; Martins, Ants; Pihu, Tõnu; Stencel, John M.** Fuel processing technology 2008 / p. 756-763 : ill

#### **Utilization of granulated oil shale ashes for neutralizing of acidic soils**

**Kaljuvee, Tiit; Loide, Valli; Einard, Marve; Kuusik, Rein, keemik** 3rd International Congress on Water, Waste and Energy Management : Rome, Italy, July 18-20, 2016 : abstracts book 2016 / [4] p. : ill

#### **Utilization of oil shale ash as a concrete constituent and carbon sink**

**Uibu, Mai; Somelar, Peeter; Raado, Lembi-Merike; Irha, Natalja; Koroljova, Arina; Kuusik, Rein, keemik** 5th International Conference on Accelerated Carbonation for Environmental and Material Engineering 2015 : New York, New York, USA, 21-24 June 2015 2015 / p. 120-129 : ill

#### **Utilization of oil shale ash to prepare PCC : leachability dynamics and equilibrium in the ash-water system**

**Velts, Olga; Uibu, Mai; Rudjak, Irina; Kallas, Juha; Kuusik, Rein, keemik** Energy procedia 2009 / p. 4843-4850 : ill

**Utilization of oil shale combustion wastes for PCC production : quantifying the kinetics of  $\text{Ca}(\text{OH})_2$  and  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$  dissolution in aqueous systems**

**Uibu, Mai; Tamm, Kadriann; Velts-Jänes, Olga; Kallaste, Priit; Kuusik, Rein, keemik; Kallas, Juha** Fuel processing technology 2015 / p. 156-164 : ill <https://doi.org/10.1016/j.fuproc.2015.09.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Utilization of oil shale semi-coke - state of art and prospects**

**Kuusik, Rein, keemik; Kana, Aadu; Karp, Kadri; Martins, Ants; Pihu, Tõnu; Tenno, Toomas; Triikkel, Andres** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 43-44 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

**Uurimusi happeliste gaaside emissiooni piiramiseks energeetikas**

**Kuusik, Rein, keemik** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 16

**Uurimusi happeliste gaaside emissiooni piiramiseks energeetikas : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Triikkel, Andres** Tallinna Tehnikaülikooli aastaraamat 2010 2011 / lk. 185-202 : ill

**Uus struktuuriüksus - anorgaaniliste materjalide teaduslaboratoorium**

**Kuusik, Rein, keemik** Tallinna Tehnikaülikooli aastaraamat 2005 2006 / lk. 155-159

**Waste oil shale ash as a novel source of calcium for precipitated calcium carbonate : carbonation mechanism, modeling, and product characterization**

**Velts, Olga; Uibu, Mai; Kallas, Juha; Kuusik, Rein, keemik** Journal of hazardous materials 2011 / p. 139-146 : ill

**Water purification coagulant from a new raw material - glauconite**

**Kuusik, Rein, keemik; Kudrjavitseva, Jelena** Kemia 93 : Finnish Chemical Congress and Exhibition, Helsinki, 2.-4. nov. 1993 : abstracts 1993

**Veepuhastuskoagulanti saaksime ise toota**

**Kuusik, Rein, keemik** Päevaleht 1992 / 11. märts

**50 aastat tõhusat teadust**

**Kuusik, Rein, keemik** Mente et Manu 2015 / lk. 12-13 : fot [https://artiklid.elnet.ee/record=b2738542\\*est](https://artiklid.elnet.ee/record=b2738542*est)

**Vääveldioksiidi emissioon põlevkivi poolkoksi põletamisel**

**Kuusik, Rein, keemik; Kaljuvee, Tiit** Keskkonnatehnika 2003 / 3, lk. 22-24, 26 : ill [https://artiklid.elnet.ee/record=b1012809\\*est](https://artiklid.elnet.ee/record=b1012809*est)

**Vääveldioksiidi emissioon tahkkütuste termooksüdatsioonis**

**Kaljuvee, Tiit; Kuusik, Rein, keemik** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 42

**Vääveldioksiidi püüdmisest Narva soojuselektrijaamades**

**Kuusik, Rein, keemik** Tehnika ja Tootmine 1992 / 9, lk. 21-22, 32: joon

**Väävliühendid põlevkivituha märgkarboniseerimisel**

**Tamm, Kadriann; Uibu, Mai; Kuusik, Rein, keemik; Kallas, Juha** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 78

**Агломерация фосфорита при обжиге его в печи кипящего слоя**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veskimäe, Helgi** Комплексная переработка фосфатного сырья. Анализ природных и технических объектов 1989 / с. 42-51

**Введение микроэлементов в суперфосфат в условиях действующего производства**

Березин Г.Г.; Ревкуц А.А.; **Kuusik, Rein, keemik; Veiderma, Mihkel**; Воронова Т.В. Химическая промышленность 1992 / 1, с. 17-19

**Введение микроэлементов в суперфосфат в условиях действующего производства**

Березин Г.Г.; **Viisimaa, Ludmilla; Kuusik, Rein, keemik**; Смирнова Л.В.; Воронова Т.В. Перспективы развития и использования минеральных удобрений с микроэлементами : тезисы докладов научно-производственной конференции, 13-15 нояб., 1990 г., г.Киев 1990 / с. 42

**Високотемпературно преработване на фосфогипс от северноафрикански фосфорити до вар и серен двуокис**

**Kuusik, Rein, keemik; Kuusk, Anu; Veiderma, Mihkel** Годишник на Висшия химико-технологичен институт 1982 / с. 139-149

**Восстановление фосфогипса до сульфида кальция**

**Kuusik, Rein, keemik; Triikkel, Andres** Тезисы докладов XIII Всесоюзной научной конференции по технологии неорганических веществ и минеральных удобрений, [г. Дзержинск]. Ч. 2 1985 / с. 98

**Высокотемпературная переработка фосфогипса на диоксид серы и известь в псевдоожиженном слое : автореферат ... кандидата технических наук (05.17.01)**

**Kuusk, Anu** 1983 [https://www.ester.ee/record=b1516432\\*est](https://www.ester.ee/record=b1516432*est)

**Гидротермическая переработка природных фосфатов в псевдоожиженном слое**

**Kuusik, Rein, keemik; Veiderma, Mihkel; Volfkovitš, Semjon** Минеральные удобрения и их применение в сельском хозяйстве : доклады III научно-технической конференции, Варна, 26–28 мая 1975 1975 / с. 194-200

**Гранулирование простого суперфосфата на тарельчатом грануляторе**

**Rostok, T.; Veresinin, V.; Kuusik, Rein, keemik** XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 168 [https://www.ester.ee/record=b1305565\\*est](https://www.ester.ee/record=b1305565*est)

**Диффузия реагентов в гранулах фосфогипса при термообработке**

**Veskimäe, Helgi; Kuusik, Rein, keemik** Комплексная переработка фосфатного сырья, анализ природных и технических объектов 1983 / с. 85-93 : ил [https://www.ester.ee/record=b1294037\\*est](https://www.ester.ee/record=b1294037*est) <https://digikogu.taltech.ee/et/Item/ebe3de55-9448-4002-9aee-7e1ef9c57d96>

**Диффузия реагентов в гранулах фосфорита в процессе гидротермической переработки**

**Kuusik, Rein, keemik; Luhakoode, Edvard; Veiderma, Mihkel** Журнал прикладной химии 1971 / с. 20-26 : ил, таб [https://www.ester.ee/record=b1182398\\*est](https://www.ester.ee/record=b1182398*est)

**Изменения в природных фосфатах при нагревании и обесфторивании**

**Veiderma, Mihkel; Kuusik, Rein, keemik; Veskimäe, Helgi** Тезисы : [третье Всесоюзное совещание по фосфатам, Рига, 1971]; Ч. 1 1971 / с. 110 [https://www.ester.ee/record=b3798878\\*est](https://www.ester.ee/record=b3798878*est)

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

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

**Изучение состава и свойств фосфогипса с применением комплекса методов инструментального анализа**

**Kuusik, Rein, keemik; Triikkel, Andres; Taremaa, J.U.** Пятая научная конференция по аналитической химии Прибалтийских республик, Белорусской ССР и Калининградской области, Вильнюс, 2-3 октября 1986 г. : тезисы докладов ; Ч. 2 1986 / с. 238 [https://www.ester.ee/record=b1528661\\*est](https://www.ester.ee/record=b1528661*est)

**Исследование высокотемпературных процессов утилизации фосфогипса**

**Kuusik, Rein, keemik; Triikkel, Andres; Veiderma, Mihkel** Проблемы промышленной экологии 1988 / с. 48-55

**Исследование и испытание процессов термообработки сырья и отходов фосфатной технологии в кипящем слое**

**Kuusik, Rein, keemik; Veiderma, Mihkel** Техника псевдоожижения (кипящего слоя) и перспективы ее развития : Тезисы докладов всесоюзной научно-технической конференции (Ленинград - Поддубская, 27-30 сент. 1988 г.) 1988 / с. 39-40

**Исследование кинетики обжига карбонатных фосфоритов**

Sirendi, A.; Kuusik, Rein, keemik XXXIII Межреспубликанская студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 11-13 апреля 1989 г. : Тезисы докладов. Ч. 1 1989 / с. 97

**Исследование кинетики процесса восстановления фосфогипса в псевдоожиженном слое**

**Kuusik, Rein, keemik; Kuusk, Anu; Veiderma, Mihkel** Химическая промышленность : ежемесячный научный журнал 1981 / с. 409-411 : ил [https://www.ester.ee/record=b1438865\\*est](https://www.ester.ee/record=b1438865*est)

**Исследование обжига и азотнокислотного разложения обожженных фосфоритов Эстонской ССР**

**Veskimäe, Helgi; Veiderma, Mihkel; Aasamäe, Ernst; Kuusik, Rein, keemik** Неорганическая химия и технология. 1 1980 / с. 13-20 : илл [https://www.ester.ee/record=b2191026\\*est](https://www.ester.ee/record=b2191026*est) <https://digikogu.taltech.ee/et/Item/130509c0-2687-471a-a9f8-1501114a266e>

**Исследование обжига карбонатного шлама в печи кипящего слоя**

**Viisimaa, Ludmilla; Kuusik, Rein, keemik; Veiderma, Mihkel** Журнал прикладной химии 1978 / с. 1087-1091 : ил [https://www.ester.ee/record=b1182398\\*est](https://www.ester.ee/record=b1182398*est)

#### **Исследование обжига разных фосфоритов**

**Veiderma, Mihkel; Veskimäe, Helgi; Kuusik, Rein, keemik;** Lindaru, E. Тезисы докладов IX Всесоюзной научно-технической конференции по технологии неорганических веществ и минеральных удобрений, май 1974 г. Часть I 1974 / с. 24-25  
[https://www.ester.ee/record=b5513784\\*est](https://www.ester.ee/record=b5513784*est)

#### **Исследование обжига фосфорита Каратау в псевдоожигенном слое**

**Veskimäe, Helgi; Kuusik, Rein, keemik; Veiderma, Mihkel** Тезисы докладов VIII Всесоюзной научной конференции по технологии неорганических веществ и минеральных удобрений. Май 1972 г. 1972 / с. 231-232

#### **Исследование процесса восстановительного разложения фосфогипса**

**Kuusik, Rein, keemik; Kuusk, Anu; Veiderma, Mihkel** Материалы XII всесоюзной научно-практической конференции "Технология неорганических веществ и минеральных удобрений" : (Тезисы докладов) 1981 / с. 406-407

#### **Исследование процесса высокотемпературной переработки фосфогипса в псевдоожигенном слое**

**Kuusik, Rein, keemik; Kuusk, Anu; Veiderma, Mihkel** Минеральные удобрения и их применение в сельском хозяйстве: доклады научно-технической конференции, Варна, 29–31 мая 1978 1978 / с. 142-146

#### **Исследование процесса обжига фосфоритов бассейна Каратау**

**Veiderma, Mihkel; Veskimäe, Helgi; Kuusik, Rein, keemik** Химическая промышленность : ежемесячный научный журнал 1974 / с. 30(270)-33(273) : ил., таб [https://www.ester.ee/record=b1438865\\*est](https://www.ester.ee/record=b1438865*est)

#### **Исследование процесса термического разложения фосфогипса из каратауского фосфорита**

**Kuusik, Rein, keemik; Kuusk, Anu; Kärblane, Enn; Veiderma, Mihkel** Комплексное использование минерального сырья : ежемесячный журнал 1983 / с. 50-53 : табл., рис [https://www.ester.ee/record=b2146072\\*est](https://www.ester.ee/record=b2146072*est)

#### **Исследование процесса термической переработки фосфогипса в модельной печи кипящего слоя в токе природного газа**

**Veiderma, Mihkel; Volfkovitš, Semjon; Žukova, V.A.; Kuusik, Rein, keemik** Тезисы докладов X Всесоюзной научной межвузовской конференции по технологии неорганических веществ и минеральных удобрений 1976 / с. 162-163  
[https://www.ester.ee/record=b3798493\\*est](https://www.ester.ee/record=b3798493*est)

#### **Исследование процессов гидротермической переработки фосфатного сырья**

**Veiderma, Mihkel; Kuusik, Rein, keemik; Turja, Rein** Тезисы докладов X Всесоюзной научной межвузовской конференции по технологии неорганических веществ и минеральных удобрений 1976 / с. 266 [https://www.ester.ee/record=b3798493\\*est](https://www.ester.ee/record=b3798493*est)

#### **Исследование процессов грануляции и сушки карбонатного шлама**

**Viisimaa, Ludmilla; Kuusik, Rein, keemik; Veiderma, Mihkel** Процессы и аппараты химической технологии и технология неорганических веществ. 8 1977 / с. 27-32 : илл [https://www.ester.ee/record=b1531858\\*est](https://www.ester.ee/record=b1531858*est) <https://digikogu.taltech.ee/et/Item/97286e9a-e68e-4dd6-9aae-92786dbf43a7>

#### **Исследование процессов обесфторивания фосфоритов**

**Kuusik, Rein, keemik; Veiderma, Mihkel** Тезисы VII Всесоюзной конференции по технологии неорганических веществ и минеральных удобрений (26-29 мая 1970 г.) 1970 / с. [?]

#### **Исследование процессов регенерации серы из фосфогипса**

**Kuusik, Rein, keemik; Triikkel, Andres** Новые формы, виды, модификации серы и серной продукции : Тезисы докладов всесоюзной конференции, 22-24 нояб. 1988 г., Львов 1988 / с. 25-26

#### **Исследование состава фосфогипса и фосфоизвестки методами ИК спектроскопии и рентгенографии**

**Kuusik, Rein, keemik; Viisimaa, Ludmilla; Kuusk, Anu** Журнал прикладной химии 1982 / с. 1723-1728 : рис., табл  
[https://www.ester.ee/record=b1182398\\*est](https://www.ester.ee/record=b1182398*est)

#### **Исследование термического разложения фосфогипса**

**Kuusik, Rein, keemik; Kärblane, Enn; Teplov, O.** Термический анализ : тезисы докладов VIII Всесоюзной конференции 1982 / с. 220-221 [https://www.ester.ee/record=b1652706\\*est](https://www.ester.ee/record=b1652706*est)

#### **Исследование термической переработки фосфогипса в сернистый газ и известь**

**Kuusik, Rein, keemik; Kuusk, Anu; Veiderma, Mihkel** Использование фосфогипса в народном хозяйстве : [Сборник статей] 1983 / с. 67-75

#### **Кормовые обесфторенные фосфаты как источник микроэлементов**

**Veiderma, Mihkel; Kuusik, Rein, keemik; Kuusk, Anu** Химия в сельском хозяйстве 1975 / с. 55-56

#### **Математическое описание процесса обесфторивания оболочковых фосфоритов**

**Kuusik, Rein, keemik; Veiderma, Mihkel** Исследования в области неорганической технологии : соли, окислы, кислоты : сборник статей 1972 / с. 135-139 : ил [https://www.ester.ee/record=b2863398\\*est](https://www.ester.ee/record=b2863398*est)

### **Модернизация печи кипящего слоя для высокотемпературной обработки природных фосфатов**

Skorobogatov, V.; Novikov, V.V.; Kuusik, Rein, keemik Химическое и нефтегазовое машиностроение : научно-технический и производственный журнал 1981 / с. 4-6 : ил [https://www.ester.ee/record=b2158380\\*est](https://www.ester.ee/record=b2158380*est)

### **Модифицирование процесса получения CaS из фосфогипса**

Triikkel, Andres; Kuusik, Rein, keemik Проблемы рационального использования фосфатного сырья и интенсификация технологических процессов : тезисы докладов совещания, 14-16 нояб. 1989 г. 1989 / с. 96-97

### **Неорганическая химия и технология**

Talimets, Ellen; Põldme, Jutta; Sarik, M.; Põldme, Meeme; Raude, Urmas; Otsavel, M.; Utsal, K.; Kudrjavitseva, Jelena; Aasamäe, Ernst; Kallavus, Urve; Kaljuvee, Tiit; Kuusik, Rein, keemik; Veskimäe, Helgi; Sirendi, A.; Viisimaa, Ludmilla; Berezin, Grigori; Fedorovitš, V.; Vilbok, Heinrich; Ott, Roman; Hödrejäv, Helvi; Hõrak, P.; Kullapere, A.; Paakspuu, V.; Kerm, Karin; Vaarmann, Aini; Help, Kalju; Pets, Lydia; Miller, A.; Viisimaa, Matti; Luik, H.; Kallast, Vambola; Allikmaa, Veiko; Metsmaa, T.; Kuusk, A.; Schächter, Klára 1989 [https://www.ester.ee/record=b1476304\\*est](https://www.ester.ee/record=b1476304*est)

### **Новые аспекты теории и практики гидротермической переработки природных фосфатов с добавкой фосфорной кислоты**

Veiderma, Mihkel; Kuusik, Rein, keemik; Põldme, Meeme; Põldme, Jutta XI Менделеевский съезд по общей и прикладной химии : рефераты докладов и сообщений. 1, Неорганическая химия и технология неорганических веществ. Радиохимия и ядерная технология. Геохимия и космохимия 1975 / с. 175-176 [https://www.ester.ee/record=b4559776\\*est](https://www.ester.ee/record=b4559776*est)

### **Новые подходы к применению сланцевой золы**

Kuusik, Rein, keemik Вестник НЭС 2011 / с. 5

### **О термической переработке фосфогипса из разных видов фосфатного сырья**

Kuusik, Rein, keemik; Taremaa, J.U. Журнал прикладной химии 1988 / с.512-517 : ил., таб [https://www.ester.ee/record=b1182398\\*est](https://www.ester.ee/record=b1182398*est)

### **О термодинамической вероятности получения сульфида кальция из фосфогипса**

Triikkel, Andres; Tünn, Leo; Kuusik, Rein, keemik Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1989 / с. 150-158 : ил [https://www.ester.ee/record=b1264984\\*est](https://www.ester.ee/record=b1264984*est) <https://www.etera.ee/zoom/18991/view?page=8&p=separate&tool=info&view=0,300,2335,3646>

### **Об охлаждении сыпучих материалов после термической обработки**

Березин Г.Г.; Kuusik, Rein, keemik; Смирнова Л.В. Журнал прикладной химии 1993 / 3, с. 718

### **Обессеривание дымовых газов сухим улавливанием SO<sub>2</sub>**

Kaljuvee, Tiit; Kuusik, Rein, keemik; Loosaar, Jüri; Rajur, K. Тезисы докладов 15-ой всесоюзной конференции по химической технологии неорганических веществ, Казань, 29-31 мая 1991 г 1991 / с. 241

### **Обесфторивание маардуского фосфорита в псевдооживленном слое на заводской опытной установке**

Veiderma, Mihkel; Vinkman, A.O.; Volfkovitš, Semjon; Kuusik, Rein, keemik Химическая промышленность : ежемесячный научный журнал 1975 / с. 33-35 : рис [https://www.ester.ee/record=b1438865\\*est](https://www.ester.ee/record=b1438865*est)

### **Обесфторивание Маардуского фосфорита, апатитового концентрата и их смесей на заводской опытной установке кипящего слоя**

Kuusik, Rein, keemik; Veiderma, Mihkel; Volfkovitš, Semjon; Skorobogatov, V.; Jagodina, T. Тезисы докладов и сообщений научно-технического семинара "Обжиг и обесфторивание природных фосфатов" с 10 по 12 июня 1975 года 1975 / с. 6-7 [https://www.ester.ee/record=b1314182\\*est](https://www.ester.ee/record=b1314182*est)

### **Обесфторивание оболочковых фосфоритов в псевдооживленном слое**

Veiderma, Mihkel; Kuusik, Rein, keemik; Luhakooder, Edvard Труды научно-технической конференции "Оболочковые фосфориты как сырье для химической промышленности" : [14-16 июня 1967 г.] 1968 / с. 241-253 : илл., таб [https://www.ester.ee/record=b1410006\\*est](https://www.ester.ee/record=b1410006*est)

### **Обесфторивание оболочковых фосфоритов в псевдооживленном слое**

Veiderma, Mihkel; Kuusik, Rein, keemik; Luhakooder, Edvard VI Всесоюзная конференция по технологии неорганических веществ и минеральных удобрений : Тезисы 1968 / с. 238

### **Обжиг и его влияние на кислотную переработку фосфорита Егорьевского месторождения**

Kaljuvee, Tiit; Kuusik, Rein, keemik; Veskimäe, Helgi Комплексная переработка фосфатного сырья, анализ природных и технических объектов 1986 / с. 29-38

### **Обжиг и его эффективность в процессах кислотной переработки фосфоритов разных месторождений**

Kaljuvee, Tiit; Veskimäe, Helgi; Kuusik, Rein, keemik; Veiderma, Mihkel Проблемы использования бедного и нетрадиционного фосфатного сырья для производства удобрений : тезисы докладов научно-технического совещания, 15-18

**Обжиг и его эффективность при кислотной переработке фосфорита месторождения Кокдзон**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veiderma, Mihkel** Комплексное использование минерального сырья 1985 / с. 34-38 : ил., табл [https://www.ester.ee/record=b2146072\\*est](https://www.ester.ee/record=b2146072*est)

**Обжиг и кислотная переработка обожженных каратауских и чилисайских фосфоритов**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Rõbakov, V.; Šinkarenko, S.** Тезисы докладов XIII Всесоюзной научной конференции по технологии неорганических веществ и минеральных удобрений, [г. Дзержинск]. Ч. 2 1985 / с. 98-99

**Обжиг и обесфторивание природных фосфатов в псевдоожиженном слое**

**Veiderma, Mihkel; Kuusik, Rein, keemik** Тезисы докладов всесоюзного научно-технического совещания "Основные направления научно-исследовательских работ по аппаратному оформлению электротермических и высокотемпературных процессов химических производств в десятой пятилетке". ("Термия-75") : Секция технологии электротермических и плазмохимических производств 1975 / с. 239-242

**Обжиг сланцевого полукокса в кипящем слое**

**Kuusik, Rein, keemik; Veiderma, Mihkel** Горючие сланцы : информационная серия I 1977 / с. 16-19 : ил. табл [https://www.ester.ee/record=b1889669\\*est](https://www.ester.ee/record=b1889669*est)

**Обжиг фосфоритов и его эффективность при кислотной переработке**

**Kaljuvee, Tiit; Veskimäe, Helgi; Kuusik, Rein, keemik; Veiderma, Mihkel** Перспективы развития промышленности фосфорных удобрений и серной кислоты до 2000 года. Тезисы докладов на отраслевом совещании работников основной химической промышленности. Белореченск, 26-30 сент. 1983 1983 / с. 142-143

**Обжиг Чилисайских фосфоритов в печи кипящего слоя**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veiderma, Mihkel** Комплексное использование минерального сырья 1985 / с. 35-39 : ил., табл [https://www.ester.ee/record=b2146072\\*est](https://www.ester.ee/record=b2146072*est)

**Образование и связывание свободных оксидов при обжиге фосфоритов Каратау**

**Kuusik, Rein, keemik; Sirendi, A.; Veskimäe, Helgi** Комплексная переработка фосфатного сырья. Анализ природных и технических объектов 1989 / с. 52-62

**Опыт эксплуатации двухзонной печи кипящего слоя для обесфторивания природных фосфатов на Маардуском химкомбинате**

**Skorobogatov, V.; Keitz, E.; Kuusik, Rein, keemik; Turja, Rein; Jagodina, T.** Тезисы докладов и сообщений научно-технического семинара "Обжиг и обесфторивание природных фосфатов" с 10 по 12 июня 1975 года 1975 / с. 8-9 [https://www.ester.ee/record=b1314182\\*est](https://www.ester.ee/record=b1314182*est)

**Освоение процесса разложения, фосфогипса на сернистый газ и окись кальция во взвешенном слое в опытно-промышленных условиях**

**Solodjankina, N.L.; Razdorkih, L.M.; Ivanov, A.V.; Kuusik, Rein, keemik; Kuusk, Anu** Промышленность минеральных удобрений и серной кислоты : Реферативная информация 1977 / с. 2-4

**Особенности термического обогащения фосфоритов различных месторождений**

**Veiderma, Mihkel; Kuusik, Rein, keemik; Kaljuvee, Tiit; Veskimäe, Helgi; Livšits, 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. 121 [https://www.ester.ee/record=b4437558~S1\\*est](https://www.ester.ee/record=b4437558~S1*est)

**Получение гранулированного суперфосфата с добавками бора и меди**

**Viisimaa, Ludmilla; Berezin, Grigori; Kuusik, Rein, keemik** XIV Менделеевский съезд по общей и прикладной химии. N 1, Фундаментальные проблемы химической науки : реферативные доклады и сообщение 1989 / с. 328 [https://www.ester.ee/record=b2050294\\*est](https://www.ester.ee/record=b2050294*est)

**Получение коагулянтов для очистки воды на базе серноокислотного разложения глауконита**

**Viisimaa, Ludmilla; Kuusik, Rein, keemik** Химическая промышленность 1998 / 5, с. 260-265: ил

**Получение нефелинового коагулянта улучшенного качества**

**Kudrjavitseva, Jelena; Berezin, Grigori; Kuusik, Rein, keemik** Химическая промышленность 1994 / 2, с. 41 (109) - 43 (111)

**Получение обогащенного медью суперфосфата с использованием отработанного травильного раствора**

**Viisimaa, Ludmilla; Vilbok, Heinrich; Kuusik, Rein, keemik; Viisimaa, Matti** Перспективы развития и использования минеральных удобрений с микроэлементами : тезисы докладов научно-производственной конференции, 13-15 нояб., 1990 г., г. Киев 1990 / с. 41

### **Получение сернистого газа и извести при высокотемпературной переработке природного гипса**

**Kuusik, Rein, keemik; Tint, Piia;** Solodjankina, N.L.; Novikov, V.V. Перспективы развития промышленности фосфорных удобрений и серной кислоты до 2000 года. Тезисы докладов на отраслевом совещании работников основной химической промышленности. Белореченск, 26-30 сент. 1983 / с. 247-248

### **Применение фосфоизвести для нейтрализации суперфосфата**

**Veskimäe, Helgi; Kuusik, Rein, keemik** Комплексная переработка фосфатного сырья, анализ природных и технических объектов 1986 / с. 23-28

### **Проблемы промышленной экологии**

**Pikkov, Lui; Kaps, Tiit; Sillajõe, Aadu; Vares, Toomas; Mölder, Heino; Munter, Rein; Looerts, Hilja; Preis, Sergei; Siirde, Enno; Kann, Aino; Mandel, Mihkel; Liebert, Tiiu; Tauts, Olev; Täht, Riina; Tedersoo, Erge; Piiraja, Eduard; Piir, E.; Friedenthal, Margus; Pappel, Kaie; Köstner, Ado; Palm, Toivo; Jagomägi, A.; Holstinina, Natalja; Kuusik, Rein, keemik; Triikkel, Andres; Veiderma, Mihkel; Metsik, Rein; Merendi, Jüri; Hallik, A.; Talimets, Ellen; Viisimaa, Ludmilla; Hödrejärvi, Helvi; Pets, Lydia; Vaganov, Peter; Ott, Roman; Lepane, Viia; Vaarmann, Aini; Palm, Toivo; Paal, Leopold** 1988  
[https://www.ester.ee/record=b1222151\\*est](https://www.ester.ee/record=b1222151*est)

### **Разложение сульфата кальция в смеси с кварцевым песком при восстановительном обжиге. IV. Разложение в псевдоожиженном слое**

**Hetsumjan, E.; Kuusik, Rein, keemik;** Grigorjan, G. Армянский химический журнал 1982 / с. 17-21  
[https://www.ester.ee/record=b1518975\\*est](https://www.ester.ee/record=b1518975*est)

### **Разложение фосфогипса в псевдоожиженном слое**

**Kuusik, Rein, keemik; Kuusk, Anu; Veiderma, Mihkel** Тезисы докладов XI Всесоюзной научной межвузовской конференции по технологии неорганических веществ и минеральных удобрений. Ч. 2. 1978 / с. 112-113

### **Разработка процесса обесфторивания фосфорита в псевдоожиженном слое**

**Veiderma, Mihkel;** Volkovitš, Semjon; **Kuusik, Rein, keemik** Тезисы докладов IX Всесоюзной научно-технической конференции по технологии неорганических веществ и минеральных удобрений. Май 1974 г. 1974 / с. 31-32

### **Регенерация извести при обжиге карбонатного шлама в печи кипящего слоя**

**Viisimaa, Ludmilla; Kuusik, Rein, keemik; Veiderma, Mihkel** Тезисы докладов XI Всесоюзной научной межвузовской конференции по технологии неорганических веществ и минеральных удобрений. Ч. 2. 1978 / с. 113-115

### **Свойства извести, регенерированной из карбонатного шлама в печи кипящего слоя**

**Viisimaa, Ludmilla; Kuusik, Rein, keemik; Veiderma, Mihkel** Бумажная промышленность : целлюлоза, бумага, картон : ежемесячный научно-технический и производственный журнал 1978 / с. 18-19 [https://www.ester.ee/record=b2132938\\*est](https://www.ester.ee/record=b2132938*est)

### **Синтез системы автоматического регулирования температуры реактора псевдоожиженного слоя**

**Rebane, Jüri; Aarna, Olav; Kuusik, Rein, keemik;** Skorobogatov, V. Тезисы докладов и сообщений научно-технического семинара "Обжиг и обесфторивание природных фосфатов" с 10 по 12 июня 1975 года 1975 / с. 14-16  
[https://www.ester.ee/record=b1314182\\*est](https://www.ester.ee/record=b1314182*est)

### **Сопоставление способов измельчения карбонатсодержащих фосфоритов при термосепарации**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Veskimäe, Helgi** Дезинтеграторная технология : тезисы докладов VIII всесоюзного семинара, 1-3 окт. 1991, Киев 1991 / с. 104-105

### **Способ обогатнения природных фосфатов (авт. св. 483346)**

**Baskakova, M.I.; Vares, V.I.; Veiderma, Mihkel; Veskimäe, Helgi; Kuusik, Rein, keemik** Открытия, изобретения, промышленные образцы, товарные знаки 1975 / с. 70 [https://www.ester.ee/record=b2319409\\*est](https://www.ester.ee/record=b2319409*est)

### **Термическая переработка природного гипса с получением сернистого газа и извести**

**Kuusik, Rein, keemik; Kuusk, Anu; Veskimäe, Helgi;** Nurašev, S.A. Комплексное использование минерального сырья : ежемесячный журнал 1985 / с. 76-80 : ил., таб [https://www.ester.ee/record=b2146072\\*est](https://www.ester.ee/record=b2146072*est)

### **Термическая характеристика фосфогипса**

**Kuusik, Rein, keemik; Kuusk, Anu; Viisimaa, Ludmilla; Veiderma, Mihkel** Термический анализ : тезисы докладов VII всесоюзного совещания 1979 / с. 107-108 [https://www.ester.ee/record=b2747298\\*est](https://www.ester.ee/record=b2747298*est)

### **Термический анализ сульфата кальция в восстановительной среде**

**Kuusik, Rein, keemik; Triikkel, Andres** Eesti NSV Teaduste Akadeemia toimetised. Keemia = Proceedings of Academy of Sciences of the Estonian SSR. Chemistry = Известия Академии наук Эстонской ССР. Химия 1985 / lk. 58-62 : ill.  
[https://www.ester.ee/record=b1264984\\*est](https://www.ester.ee/record=b1264984*est) <https://www.etera.ee/zoom/19238/view?page=1&p=separate&tool=info>

### **Термический анализ фосфогипса**

**Viisimaa, Ludmilla; Kuusk, Anu; Kuusik, Rein, keemik** Неорганическая химия и технология. 1 1980 / с. 29-36 : илл

[https://www.ester.ee/record=b2191026\\*est](https://www.ester.ee/record=b2191026*est) <https://digikogu.taltech.ee/et/Item/130509c0-2687-471a-a9f8-1501114a266e>

**Термодинамический анализ процесса высокотемпературной обработки фосфогипса**

**Kärblane, Enn; Kuusk, Anu; Kuusik, Rein, keemik** Неорганическая химия и технология. 1 1980 / с. 21-28 : илл

[https://www.ester.ee/record=b2191026\\*est](https://www.ester.ee/record=b2191026*est) <https://digikogu.taltech.ee/et/Item/130509c0-2687-471a-a9f8-1501114a266e>

**Термодинамический анализ процесса разложения фосфогипса**

**Tint, Piia; Kärblane, Enn; Türr, Leo; Kuusik, Rein, keemik** Материалы XII всесоюзной научно-практической конференции "Технология неорганических веществ и минеральных удобрений", Т. 2 1981 / с. 407-409

**Термосепарационное обогащение карбонатсодержащих фосфоритов**

**Veiderma, Mihkel; Kuusik, Rein, keemik; Kaljuvee, Tiit; Kangur, H.** XI всесоюзный симпозиум по механохимии и механоэмиссии твердых тел, 11-14 сент. 1990 г., Чернигов : тезисы докладов. Т. 2 1990 / с. 167-168

**Термосепарационное обогащение фосфоритов бассейна Каратау**

**Kuusik, Rein, keemik; Veskimäe, Helgi; Kaljuvee, Tiit** Тезисы докладов 15-ой всесоюзной конференции по химической технологии неорганических веществ, Казань, 29-31 мая 1991 г 1991 / с. 240

**Термосепарационное обогащение фосфоритов Каратау**

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Лившиц М.М.; Veiderma, Mihkel** Перспективы развития производств серной кислоты и фосфорных удобрений до 2000 года : тезисы докладов всесоюзного отраслевого совещания, г.Воскресенск, 24-26 окт. 1990 г 1990 / с. 18-19

**Термосепарационное обогащение фосфоритов Каратау**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veiderma, Mihkel; Veskimäe, Helgi; Лившиц М.М.; Кангур К.Ф.** Химическая промышленность 1992 / 2, с. 85-88

**Термохимическое обезмагнивание природных фосфатов**

**Veiderma, Mihkel; Veskimäe, Helgi; Kuusik, Rein, keemik** Химическая промышленность : ежемесячный научный журнал 1975 / с. 838-840 : рис., табл [https://www.ester.ee/record=b1438865\\*est](https://www.ester.ee/record=b1438865*est)

**Термохимическое разложение фосфогипса**

**Solodjankina, N.L.; Borissov, Vladimir; Skorobogatov, V.; Kuusik, Rein, keemik** Химическая промышленность : ежемесячный научный журнал 1981 / с. 27-29 : рис., табл [https://www.ester.ee/record=b1438865\\*est](https://www.ester.ee/record=b1438865*est)

**Термохимическое разложение фосфогипса на сернистый газ и окись кальция во взвешенном слое на опытно-промышленной установке**

**Borissov, Vladimir; Gröntšarov, I.; Videnov, N.; Kuusik, Rein, keemik** Химия и индустрия : Е официален орган на Съюза на българските химици и инженер химици 1981 / с. 50-51, 66-68

**Термохимическое разложение фосфоритного фосфогипса на сернистый газ и известь в псевдоожиженном слое**

**Borissov, Vladimir; Videnov, N.; Solodjankina, N.L.; Kuusik, Rein, keemik** Химическая промышленность : ежемесячный научный журнал 1982 / с. 29(541)-30(542) : табл [https://www.ester.ee/record=b1438865\\*est](https://www.ester.ee/record=b1438865*est)

**Утилизация тепла при термической переработке фосфогипса на сернистый газ и известь**

**Tint, Piia; Kuusik, Rein, keemik** Комплексная переработка фосфатного сырья, анализ природных и технических объектов 1983 / с. 67-74 : ил [https://www.ester.ee/record=b1294037\\*est](https://www.ester.ee/record=b1294037*est) <https://digikogu.taltech.ee/et/Item/ebe3de55-9448-4002-9aеc-7e1ef9c57d96>

**Физико-химические основы и условия обжига фосфоритов разных месторождений**

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Veiderma, Mihkel** Тезисы докладов 6. Всесоюзной конференции по фосфатам "Фосфаты-84". Ч. 3 1984 / с. 559

**Физико-химические превращения при обжиге различных фосфоритов в кипящем слое**

**Veskimäe, Helgi; Veiderma, Mihkel; Kuusik, Rein, keemik** Тезисы докладов и сообщений научно-технического семинара "Обжиг и обесфторивание природных фосфатов" с 10 по 12 июня 1975 года 1975 / с. 28-29 [https://www.ester.ee/record=b1314182\\*est](https://www.ester.ee/record=b1314182*est)

**Фосфоизвесть как вяжущее для автоклавных бетонов**

**Kuusik, Rein, keemik; Veiderma, Mihkel** Промышленность строительных материалов : Обзорная информация, Серия 8. Промышленность автоклавных материалов и местных вяжущих 1984 / с. 4-6 (вып. 9); с. 16-17 (вып. 11)

**Фосфоизвесть, как вяжущее для автоклавных бетонов**

**Kuusik, Rein, keemik; Veretevskaja, I.A** Физико-химические основы переработки бедного природного сырья и отходов промышленности при получении жаростойких материалов : Тезисы всесоюзной научной конференции. Том. 2 1989 / с. 83 [https://www.ester.ee/record=b2857358\\*est](https://www.ester.ee/record=b2857358*est)

**Характеристика и утилизация отходов азотно-кисотно-сульфатной переработки фосфатного сырья**  
**Veskimäe, Helgi; Kuusik, Rein, keemik; Veiderma, Mihkel** Тезисы докладов XIII Всесоюзной научной конференции по технологии неорганических веществ и минеральных удобрений, [г. Дзержинск]. Ч. 2 1985 / с. 100-101

**Характеристика и утилизация отходов азотно-кисотно-сульфатной переработки фосфатного сырья**  
**Veskimäe, Helgi; Kuusik, Rein, keemik; Veiderma, Mihkel** Журнал прикладной химии 1984 / с. 2418-2422 : ил., таб  
[https://www.ester.ee/record=b1182398\\*est](https://www.ester.ee/record=b1182398*est)

**Хроматографическое исследование газовой фазы при термическом разложении фосфогипса**  
**Kuusik, Rein, keemik; Tint, Piia; Kuusk, Anu** Промышленность минеральных удобрений и серной кислоты : Реферативная информация 1979 / с. [?]