

### **A study of sulfur compounds transformation during calcination of phosphate rock**

**Pöldme, Meeme; Pöldme, Juta; Trikkel, Andres** Abstracts of the Hungarian Symposium on Thermal Analysis, Budapest, June 10-12, 1981 1981 / p. [?]

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

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

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

**Trikkel, 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

### **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.; Trikkel, 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; Trikkel, 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?file=/download/BoA%20CEEC-TAC5%20Medicta2019.pdf>

### **Aqueous mineral carbonation of oil shale mine waste (limestone) : a feasibility study to develop a CO<sub>2</sub> capture sorbent**

**Puthiya Veetil, Sanoop Kumar; Rebane, Kaarel; Yörük, Can Rüstü; Lopp, Margus; Trikkel, Andres; Hitch, Michael William** Energy 2021 / art. 119895 <https://doi.org/10.1016/j.energy.2021.119895> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ash melting behaviour of reed and woody fuels blends**

**Link, Siim; Yrjäs, Patrik; Lindberg, Daniel; Trikkel, Andres; Mikli, Valdek** Fuel 2022 / art. 123051

<https://doi.org/10.1016/j.fuel.2021.123051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Trikkel, 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; Trikkel, 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)

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

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Trikkel, 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

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

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

### **Calcium sulphide from phosphogypsum**

**Kuusik, Rein, keemik; Trikkel, 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 dioxide binding in the heterogeneous systems formed at combustion of oil shale. 2, Interactions of system components - thermodynamic analysis**

**Kuusik, Rein, keemik; Törn, 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)

### **Carbonation and leaching behaviors of cement-free monoliths based on high-sulfur fly ashes with the incorporation of amorphous calcium aluminate**

**Usta, Mustafa Cem; Yörük, Can Rüstü; Uibu, Mai; Traksmaa, Rainer; Hain, Tiina; Gregor, Andre; Trikkel, Andres** ACS omega 2023 / p. 29543-29557 : ill <https://doi.org/10.1021/acsomega.3c03286> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Kaljuvee, Tiit; Tõnsuaadu, Kaia; Kallaste, Toivo; Hints, Rutt; Kivimäe, Eliise-Koidula; Petkova, Vilma; Trikkel, Andres** 7th

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

**Kaljuvee, Tiit; Tõnsuaadu, Kaia; Kallaste, Toivo; Graul, Sophie; Hints, Rutt; Kivimäe, Eliise-Koidula; Petkova, Vilma; Trikkel, Andres** Journal of thermal analysis and calorimetry 2024 / 14 p <https://doi.org/10.1007/s10973-024-13655-x>

**Characterization of ash melting of reed and wheat straw blend**

**Link, Siim; Yrjas, Patrik; Lindberg, Daniel; Trikkel, Andres** ACS omega 2022 / p. 2137-2146 : ill

<https://doi.org/10.1021/acsomega.1c05087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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

**ClimMIT - Climate change mitigation with CCS and CCU technologies**

**Uibu, Mai; Siirde, Andres; Järvik, Oliver; Trikkel, Andres; Yörük, Can Rüstü**; Nurk, Gunnar; Kirsimäe, Kalle; **Hazak, Aaro**;

**Konist, Alar** Proceedings of the 15th Greenhouse Gas Control Technologies Conference 15-18 March 2021 2021 / 9 p

<https://ssrn.com/abstract=3812288> <https://doi.org/10.2139/ssrn.3812288>

**CO2 and SO2 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

**CO2 and SO2 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

**CO2 curing of Ca-rich fly ashes to produce cement-free building materials**

**Usta, Mustafa Cem; Yörük, Can Rüstü; Uibu, Mai; Hain, Tiina; Gregor, Andre; Trikkel, Andres** Minerals 2022 / art. 513, 24 p. :

ill <https://doi.org/10.3390/min12050513> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**CO2 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

**CO2 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)

**CO2 mineralization by burnt oil shale and cement by pass dust effect of operating temperature and pre-treatment**

**Usta, Mustafa Cem; Yörük, Can Rüstü; Uibu, Mai; Kaljuvee, Tiit; Trikkel, Andres** GSFMT Scientific Conference 2020 : Tallinn,

February 4-5, 2020 : abstracts 2020 / p. 87 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

**CO2 mineralization by burnt oil shale and cement bypass dust : effect of operating temperature and pre-treatment**

**Yörük, Can Rüstü; Uibu, Mai; Usta, Mustafa Cem; Kaljuvee, Tiit; Trikkel, Andres** Journal of thermal analysis and calorimetry

2020 / p. 991–999 : ill <https://doi.org/10.1007/s10973-020-09349-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

**CO2 mineralization by burnt oil shale and cement bypass dust: effect of operating temperature and pre-treatment**

**Yörük, Can Rüstü; Uibu, Mai; Usta, Mustafa Cem; Kaljuvee, Tiit; Trikkel, Andres** 2nd Journal of Thermal Analysis and

Calorimetry Conference, Budapest, June 18–21, 2019 : book of abstracts 2019 / p. 501 <https://jtac-jtacc.akcongress.com/>

**CO2 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)

**CO2 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

**CO2 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

### **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

### **Correction to: CO<sub>2</sub> mineralization by burnt oil shale and cement bypass dust: effect of operating temperature and pre-treatment (Journal of Thermal Analysis and Calorimetry, (2020), 142, 2, (991-999), 10.1007/s10973-020-09349-9)**

**Yörük, Can Rüstü; Uibu, Mai; Usta, Mustafa Cem; Kaljuvee, Tiit; Trikkel, Andres** Journal of Thermal Analysis and Calorimetry 2020 / p. 1001 <https://doi.org/10.1007/s10973-020-09973-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Kaljuvee, Tiit; Trikkel, 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; Trikkel, 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**

**Trikkel, 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]**

**Trikkel, 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]

### **Dependence of the interaction mechanisms between l-serine and O-phospho-l-serine with calcium hydroxyapatite and copper modified hydroxyapatite in relation with the acidity of aqueous medium**

**Tõnsuaadu, Kaia; Gruselle, Michel; Kriisa, Frieda; Trikkel, Andres** Journal of biological inorganic chemistry 2018 / p. 929–937 : ill <https://doi.org/10.1007/s00775-018-1594-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Determination and comparison of ash melting temperature of a biomass blend by laboratory methods and thermodynamic modelling**

**Link, Siim; Yrjas, Patrik; Lindberg, Daniel; Trikkel, Andres** 28th European Biomass Conference and Exhibition : 6-9 July 2020 (Virtual), Marseille, France : proceedings 2020 / p. 322-328 <https://doi.org/10.5071/28thEUBCE2020-2BV.2.1>

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

**Uibu, Mai; Velts, Olga; Trikkel, 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

### **Dissolution of rare earth elements from phosphate ore in hydrochloric acid**

**Hacıioglu-Erlenheim, Gizem; Tõnsuaadu, Kaia; Urtson, Kristjan; Kallaste, Toivo; Trikkel, Andres** XIV International Mineral Processing and Recycling Conference : proceedings 2021 / p. 166-171 : ill [https://imprc.tfbor.bg.ac.rs/download/IMPRC\\_2021\\_Proceedings.pdf](https://imprc.tfbor.bg.ac.rs/download/IMPRC_2021_Proceedings.pdf)

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

**Trikkel, 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)

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

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Trikkel, 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

### **EDTA impact on Cd<sup>2+</sup> migration in apatite-water system**

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

### **Eesti karbonaatsete kivimite võrdlev terminiline analüüs**

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

### **Eesti lubjakivid ja dolomiidid vääveldioksiidi sorbendina**

**Triikkel, 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)

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

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

### **Effect of process parameters on strength and carbonation of engineered building materials by calcium rich alkali wastes**

**Usta, Mustafa Cem; Yörük, Can Rüstü; Gregor, Andre; Hain, Tiina; Uibu, Mai; Triikkel, Andres** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 40 [https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT\\_abstractbook\\_2021.pdf](https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf)

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

**Hacialioglu-Erlenheim, Gizem; Tõnsuaadu, Kaia; Urtson, Kristjan; Kallaste, Toivo; Triikkel, Andres** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 54 [https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT\\_abstractbook\\_2021.pdf](https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf)

### **Enhanced sustainability of aerated building blocks: Utilization of accelerated carbonation and oil shale ash in cement composites**

**Thomas, Adheena; Yörük, Can Rüstü; Pantšenko, Nata-Ly; Hain, Tiina; Uibu, Mai; Triikkel, Andres** Book of abstracts of 2nd Central and Eastern European Conference on Physical Chemistry & Material Science (CEEC-PCMS2) 2024 / p. 35-36 <https://doi.org/10.5755/e01.9786090218693>

### **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 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

### **Estonian Phosphate Rock Dissolution in Hydrochloric Acid : Optimization of Acid Dosage and Concentration**

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

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

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

### **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](#)

### **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)

### **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]

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

Martins, Ants; Pesur, A.; **Kuusik, Rein, keemik; Kaljuvee, Tiit; Trikkel, 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; Trikkel, 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)

### **Heating rate effect on the thermal behavior of ammonium nitrate and its blends with limestone and dolomite**

**Kaljuvee, Tiit;** Rudjak, Irina; **Edro, Evelin; Trikkel, Andres** Journal of thermal analysis and calorimetry 2009 / p. 215-221 : ill <https://akjournals.com/view/journals/10973/97/1/article-p215.xml>

### **Heating rate effect on the thermal behaviour of ammonium nitrate and its blends with limestone and dolomite**

**Kaljuvee, Tiit; Edro, Evelin; Trikkel, Andres** 14th International Congress on Thermal Analysis and Calorimetry . VI Brazilian Congress on Thermal Analysis and Calorimetry : September 14-18, 2008, Sao Pedro, Brazil 2008 / p. H-02 [CD-ROM]

### **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

### **Influence of graphite pore forming agents on the structural and electrochemical properties of porous Ni-CGO anode**

Tamm, Kadi; **Trikkel, Andres** Journal of the electrochemical society 2012 / p. F849-F857 : ill <https://iopscience.iop.org/article/10.1149/2.067212jes>

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

**Klimova, Irina; Kaljuvee, Tiit; Trikkel, Andres** 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC1), 7-10 September 2011, Craiova, Romania : book of abstracts 2011 / p. 361 <https://link.springer.com/article/10.1007/s10973-012-2244-3>

### **Influence of some lime-containing additives on the thermal behavior of urea**

**Klimova, Irina; Kaljuvee, Tiit; Mikli, Valdek; Trikkel, Andres** Journal of thermal analysis and calorimetry 2013 / p. 253-258 : ill <https://doi.org/10.1007/s10973-012-2244-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

**Klimova, Irina; Kaljuvee, Tiit; Türn, 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>

### **Kariloomadest hüdroelektrijaamani: laia haardega Ukraina ärimees ihub hammast fosforiidivarudele**

postimees.ee 2024 [Kariloomadest hüdroelektrijaamani: laia haardega Ukraina ärimees ihub hammast fosforiidivarudele](#)

### **Kaval keemia aitab fosforiidist välja pigistada haruldasi muldmetalle**

Alvela, Ain novaator.err.ee 2023 [Kaval keemia aitab fosforiidist välja pigistada haruldasi muldmetalle](#)

### **Keemia alused : juhendmaterjal keemia aluste harjutustundideks ja laboratoorseteks töödeks**

1996 [https://www.ester.ee/record=b1058052\\*est](https://www.ester.ee/record=b1058052*est)

### **Keemia alused : praktikum**

2004 [http://www.ester.ee/record=b1953691\\*est](http://www.ester.ee/record=b1953691*est)

### **Kinetics of Estonian phosphate rock dissolution in hydrochloric acid**

Azeez, Ruhany Sheherazad; Tõnsuaadu, Kaia; Kaljuvee, Tiit; Trikkel, Andres Minerals 2024 / art. 322 <https://doi.org/10.3390/min14030322>

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

**Yörük, Can Rüstü; Meriste, Tõnis; Trikkel, 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

### **Kliimamuutuste leevendamine läbi CCS JA CCU tehnoloogiate (ClimMit) : lõpparuanne**

**Siirde, Andres; Järvik, Oliver; Nešumajev, Dmitri; Gušča, Julija; Uibu, Mai; Trikkel, Andres; Pihu, Tõnu; Konist, Alar; Maaten, Birgit; Liira, Martin; Hazak, Aaro; Männasoo, Kadri; Sander, Priit; Kask, Kaia; Poltimäe, Helen; Yörük, Can Rüstü** 2021

### **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; 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/>

### **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 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 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 SO<sub>2</sub> 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

### **Modification of ammonium nitrate fertilizer = Ammooniumnitraatväetise modifitseerimine**

**Klimova, Irina** 2014 [https://www.ester.ee/record=b4432999\\*est](https://www.ester.ee/record=b4432999*est)

### **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](#)

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

**Trikkel, 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)

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

**Yörük, Can Rüstü; Meriste, Tõnis; Trikkel, 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](#)

### **Performance evaluation of flue gas cured calcium rich fly ash-based building blocks : [flash paper presentation]**

**Usta, Mustafa Cem; Adegbile, A. M.; Gregor, Andre; Paaver, Peeter; Hain, Tiina; Yörük, Can Rüstü; Uibu, Mai; Trikkel, Andres** 17th International Conference on Environmental Science and Technology CEST2021, 1-4 September 2021, Athens, Greece 2021 / [flash paper presentation]

### **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](#)

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

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Trikkel, Andres** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 59: ill

### **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; Trikkel, 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; Trikkel, 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. 1, Activation of high-temperature ashes**

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

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

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

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

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

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

**Yörük, Can Rüstü; Trikkel, 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 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>

#### **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

### **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

### **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>

### **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/MS analysis of thermal and kinetic characteristics of some coal samples**

**Kaljuvee, Tiit; Keelman, Merli; Trikkel, Andres; Petkova, Vilma** ICTAC 15 - 15th International Congress on Thermal Analysis and Calorimetry : August 20-24, 2012, Osaka 2012 [https://www.researchgate.net/publication/257616213\\_TG-FTIRMS\\_analysis\\_of\\_thermal\\_and\\_kinetic\\_characteristics\\_of\\_some\\_coal\\_samples](https://www.researchgate.net/publication/257616213_TG-FTIRMS_analysis_of_thermal_and_kinetic_characteristics_of_some_coal_samples)

### **TG-FTIR/MS analysis of thermal and kinetic characteristics of some coal samples**

**Kaljuvee, Tiit; Keelman, Merli; Trikkel, Andres; Petkova, Vilma** Journal of thermal analysis and calorimetry 2013 / p. 1063-1071 : ill <https://doi.org/10.1007/s10973-013-2957-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [journal metrics at WOS](#) [Article at WOS](#)

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

**Uibu, Mai; Tamm, Kadriann; Viires, 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 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 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>

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

**Trikkel, 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 behavior of ceramic bodies based on Estonian clay from the Arumetsa deposit with oil shale ash and clinker dust additives**

**Kaljuvee, Tiit; Uibu, Mai; Einard, Marve; Traksmäa, Rainer; Viljus, Mart; Jefimova, Jekaterina; Trikkel, Andres** Processes 2022 / art. 46 <https://doi.org/10.3390/pr10010046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Thermal behavior of Estonian graptolite-argillite from different deposits**

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

### **Thermal behaviour of ammonium nitrate prills coated with limestone and dolomite powder**

**Kaljuvee, Tiit; Rudjak, Irina; Trikkel, Andres; Mikli, Valdek** MEDICTA 2009 : 9th Mediterranean Conference on Calorimetry and Thermal Analysis : June 15-18, 2009, Marseille, France : book of abstracts 2009 / p. 117 <https://link.springer.com/article/10.1007/s10973-009-0391-y>

### **Thermal behaviour of ammonium nitrate prills coated with limestone and dolomite powder**

**Rudjak, Irina; Kaljuvee, Tiit; Trikkel, Andres; Mikli, Valdek** Journal of thermal analysis and calorimetry 2010 / p. 749-754 : ill [https://www.researchgate.net/publication/243958679\\_Thermal\\_behaviour\\_of\\_ammonium\\_nitrate\\_prills\\_coated\\_with\\_limestone\\_and\\_dolomite\\_powder](https://www.researchgate.net/publication/243958679_Thermal_behaviour_of_ammonium_nitrate_prills_coated_with_limestone_and_dolomite_powder)



**Thermal behaviour of ceramic bodies based on Estonian clay from Arumetsa deposit with oil shale ash or/and clinker dust additives**

**Kaljuvee, Tiit; Štubna, Igor; Hulan, Tomaš; Uibu, Mai; Einard, Marve; Traksmaa, Rainer; Viljus, Mart; Jefimova, Jekaterina; Trikkel, Andres** ICTAC 2020 : 17th International Congress on Thermal Analysis and Calorimetry : 8th Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference (V4 8) : 14th Conference on Calorimetry and Thermal Analysis of the Polish Society of Calorimetry and Thermal Analysis (CCTA 14), online conference, [Kraków], 29 August - 2 September 2021 : e-book of abstracts, 2021 / p. 68 [https://cris.vub.be/ws/portalfiles/portal/74787050/\\_e\\_Book\\_of\\_Abstracts\\_ICTAC2020.pdf](https://cris.vub.be/ws/portalfiles/portal/74787050/_e_Book_of_Abstracts_ICTAC2020.pdf)

**Thermal processes for utilizing waste phosphogypsum**

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

**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; Trikkel, 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; Trikkel, 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; Trikkel, Andres; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2015 / p. 509-516 : ill <http://dx.doi.org/10.1007/s10973-015-4484-5>

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

**Yörük, Can Rüstü; Meriste, Tõnis; Trikkel, 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; Trikkel, 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; Trikkel, Andres; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2011 / p. 395-403

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

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

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

**Kaljuvee, Tiit; Kuusik, Rein, keemik; Trikkel, 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)

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

**Kuusik, Rein, keemik; Kaljuvee, Tiit; Trikkel, 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

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

**Trikkel, 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**

**Trikkel, 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**

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

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

**Kuusik, Rein, keemik; Kana, Aadu; Karp, Kadri; Martins, Ants; Pihu, Tõnu; Tenno, Toomas; Trikkel, 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)

#### **Uued professorid TaTechis**

**Durst, Susanne; Partanen, Jenni Vilhelmiina; Kasabov, Edward; Palu, Ivo; Sergejev, Fjodor; Trikkel, Andres; Kalda, Jaan; Aav, Riina** *Mente et Manu* 2020 / lk. 32-37 : portr [https://www.ttu.ee/public/m/mente-et-manu/MM\\_01\\_2020/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_01_2020/mobile/index.html)  
[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

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

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

#### **Восстановление фосфогипса до сульфида кальция**

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

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

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

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

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

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

**Trikkel, 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

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

**Trikkel, Andres; Türn, 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>

#### **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; Trikkel, 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)

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

**Kuusik, Rein, keemik; Trikkel, 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 фосфорноокислотно-термической переработки ковдорского апатитового концентрата**

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

#### **Украинский бизнесмен хочет заняться добычей фосфоритов в Эстонии**

Pulk, Meinhard *rus.postimees.ee* 2024 [Украинский бизнесмен хочет заняться добычей фосфоритов в Эстонии](https://www.postimees.ee/2024/04/11/ukrainlane-koostab-estoonia-fosfori-kaevanduse-koostise)