

### **A study of the interaction of sulphur dioxide with natural phosphates**

**Põldme, Meeme; Põldme, Juta** Thermal analysis : proceedings of the Sixth International Conference on Thermal Analysis, Bayreuth, Federal Republic of Germany, July 6-12, 1980 1980 / p. 148

### **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

### **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>

### **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

### **Binding of SO<sub>2</sub> by synthetic substituted apatites**

**Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem; Veiderma, Mihkel** Journal of thermal analysis and calorimetry 1999 / Proceedings of the 7th European Symposium on Thermal Analysis and Calorimetry, ISBN 963-05-7629-5. Vol. 1, p. 35-42: ill <https://link.springer.com/article/10.1023/A:1010118905445>

### **CO<sub>2</sub> and SO<sub>2</sub> emissions in Estonia in the period 2000-2030**

**Kuhi-Thalfeldt, Reeli; Valtin, Juhan** 7th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Narva-Jõesuu, Estonia, 16.06-19.06.2009] 2009 / p. 47-56 : ill

### **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

### **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

### **Eesti Elektri jaama 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 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)

### **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

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

**Trikkel, 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**

**Trikkel, 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]**

**Trikkel, 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 lime containing materials as sorbents for SO<sub>2</sub> removal**

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

### **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

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

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

### **Humidity and SO<sub>2</sub> gas sensor based on QCM coated with polypyrrole films**

**Sõritski, Vitali; Öpik, Andres** Finnish Chemical Congress and Exhibition, Helsinki, November 3-5, 1998 : abstracts 1998 / p. 10

### **Indoor climate problems in apartment and school buildings**

**Mikola, Alo; Kõiv, Teet-Andrus** Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / p. 1754-1764 : ill

### **Influence of sulfur dioxide on decomposition of oil shale mineral matter**

**Ots, Arvo; Pihu, Tõnu; Hlebnikov, Aleksandr; Arro, Hendrik** Oil shale 2001 / 4, p. 298-306 : ill

[https://artiklid.elnet.ee/record=b1008449\\*est](https://artiklid.elnet.ee/record=b1008449*est)

### **Influence of sulphur dioxide and hydrogen chloride on properties of oil shale ash**

**Ots, Arvo; Pihu, Tõnu; Arro, Hendrik** Oil shale 2005 / 4S, p. 435-444 : ill [https://artiklid.elnet.ee/record=b2352642\\*est](https://artiklid.elnet.ee/record=b2352642*est)

### **Kinetic studies of SO<sub>2</sub> interaction with apatite**

**Manuilova, Anastassia; Tõnsuaadu, Kaia; Veiderma, Mihkel** Phosphorus research bulletin 2002 / p. 93-98 : ill

### **Kinetic studies of the SO<sub>2</sub> interaction with apatite**

**Manuilova, Anastassia; Tõnsuaadu, Kaia; Veiderma, Mihkel** Fourth International Symposium on Inorganic Phosphate Materials, July 10-13, 2002, Jena - Germany : book of abstracts 2002 / p. 28

### **Modelling of discharges from Baltic Sea shipping**

Jalkanen, Jukka-Pekka; Johansson, Lasse; Wilewska-Bien, Magda; Granhag, Lena; Ytreberg, Erik; Eriksson, K. Martin; Yngsell, Daniel; Hassellöv, Ida-Maja; Magnusson, Kerstin; **Raudsepp, Urmas; Maljutenko, Ilja**; Winnes, Hulda; Moldanova, Jana Ocean Science 2021 / p. 699 - 728 <https://doi.org/10.5194/os-17-699-2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Kavaliauskaitė, 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)

### **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

### **Primary method for reduction of SO<sub>2</sub> emission in pulverized oil shale-fired boilers at Narva power plants : test 1 - water injection after superheater**

Karolin, Robert; **Latõšov, Eduard**; Kleesmaa, Jüri Oil shale 2017 / p. 70-81 : ill <https://doi.org/10.3176/oil.2017.1.05>

[https://artiklid.elnet.ee/record=b28116466\\*est](https://artiklid.elnet.ee/record=b28116466*est) [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; Triikkel, 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; Triikkel, 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**

**Triikkel, 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)

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

**Manuilova, Anastassia; Tõnsuaadu, Kaia** Chemistry 2001 : 5th National Lithuanian Conference : Vilnius, September 27, 2001 :

**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. 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; 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

**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>

**SO<sub>2</sub> emissions from oil shale oxyfuel combustion in a 60 kW<sub>th</sub> circulating fluidized bed**

**Baqain, Mais Hanna Suleiman; Nešumajev, Dmitri; Konist, Alar** Energies 2024 / art. 4567 <https://doi.org/10.3390/en17184567>

**Studies on SO<sub>4</sub><sup>2-</sup> ion incorporation into apatite structure**

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

**Termilised reaktsioonid apatiidi ja SO<sub>2</sub> vahel**

**Veiderma, Mihkel; Tõnsuaadu, Kaia; Bender, Villem** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 191-192

**The effect of Estonian electricity production scenarios on CO<sub>2</sub> and SO<sub>2</sub> emissions in 2000-2030**

**Kuhi-Thalfeldt, Reeli; Kuhi-Thalfeldt, Aron; Valtin, Juhan** Recent advances in electric power systems, high voltages, electric machines : proceedings of the 9th WSEAS/ASME International Conference on Electric Power Systems, High Voltages, Electric Machines (POWER'09) : Genova, Italy, October 17-19, 2009 2009 / p. 182-189

**The effect of substitutions in the structure of apatite on the sulphur oxide binding at calcination**

**Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem; Veiderma, Mihkel** ESTAC-7 : 7th European Symposium on Thermal Analysis and Calorimetry, Aug. 30 - Sept. 4, 1998, Balatonfüred, Hungary : book of abstracts 1998 / p. 151

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

**Kaljuvee, Tiit; Triikkel, 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; Triikkel, Andres; Kuusik, Rein, keemik; Bender, Villem** Journal of thermal analysis and calorimetry 2005 / p. 591-597

**Thermal interactions between apatites and SO<sub>2</sub>**

**Veiderma, Mihkel; Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem** Phosphorus research bulletin 1999 / Special issue: Proceedings of the Third International Symposium on Inorganic Phosphate Materials '99 : Villeneuve d'Ascq, France, September 14-16, 1999, p. 256-261: ill

**Thermal interactions between apatites and SO<sub>2</sub>**

**Veiderma, Mihkel; Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem** Third International Symposium on Inorganic Phosphate Materials : Villeneuve d'Ascq, France, Sept. 14-16, 1999 : book of abstracts 1999 / p. No. 0.2.10 [https://www.researchgate.net/publication/286300928\\_THERMAL\\_INTERACTIONS\\_BETWEEN\\_APATITES\\_AND\\_SO2SUB](https://www.researchgate.net/publication/286300928_THERMAL_INTERACTIONS_BETWEEN_APATITES_AND_SO2SUB)

**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

**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

**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.]

**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

**Кумулятивное определение двуокиси серы и фторидов в атмосферном воздухе**

**Liiv, Reet; Ott, Roman; Luiga, Peeter; Pikkov, Valentin** Eesti NSV Teaduste Akadeemia toimetised. Keemia. Geoloogia = Известия Академии наук Эстонской ССР. Химия. Геология 1974 / с. 208-213 [https://www.ester.ee/record=b1264554\\*es](https://www.ester.ee/record=b1264554*es)  
<https://www.etera.ee/zoom/18995/view?page=1&p=separate&tool=info>

**О сульфатизации летучей золы эстонских сланцев в атмосфере SO<sub>2</sub>+воздух**

**Arro, Hendrik; Öpik, Ilmar** 1958 [https://www.ester.ee/record=b1381584\\*est](https://www.ester.ee/record=b1381584*est) <https://digikogu.taltech.ee/et/Item/d94e7aac-a84e-4862-a549-2b6efbfe287>

**Об очистке дымовых газов сланцевых электростанций от SO<sub>2</sub>**

**Arro, Hendrik; Prikk, Arvi; Loosaar, Jüri** Tallinna Tehnikaülikooli Toimetised 1992 / lk. 3-18

**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

**Распределение серы при термической обработке горючих сланцев в установке с кипящим слоем : автореферат ... кандидата технических наук (05.14.04)**

**Kallaste, Evi** 1978 [http://www.ester.ee/record=b1899190\\*est](http://www.ester.ee/record=b1899190*est)

**Распределение серы при термической обработке горючих сланцев в установке с кипящим слоем : диссертация ... кандидата технических наук : 05.14.04 - промышленная теплоэнергетика**

**Kallaste, Evi** 1977 [http://www.ester.ee/record=b2356433\\*est](http://www.ester.ee/record=b2356433*est)