

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 SO₂ 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 SO₂ 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 SO₂ 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 SO₂ by synthetic substituted apatites

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

CO₂ and SO₂ 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

CO₂ and SO₂ rebinding by oil shale ashes : effect of pre-treatment on binding kinetics

Triikkel, 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

Triikkel, 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; Triikkel, 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

Triikkel, Andres; Kuusik, Rein, keemik Keskkonnatehnika 2003 / 4, lk. 39-43 : ill 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 SO₂

Triikkel, Andres 2001 https://www.ester.ee/record=b1578119*est

Estonian calcareous rocks as SO₂ 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 SO₂ 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 lime containing materials as sorbents for SO₂ 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

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 SO₂ 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

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

Kinetic studies of SO₂ interaction with apatite

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

Kinetic studies of the SO₂ 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

Kavaliauskaite, 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

Predicting CO₂ and SO₂ 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 SO₂ 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=b2816466*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Põlevkivituha korduvkasutamine SO₂ sorbendina

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

Põlevkivituha vesisuspensioonid CO₂ 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

Reactions in a system apatite - SO₂

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

Reactivity of oil shale ashes in SO₂ and CO₂ binding

Kaljuvee, Tiit; Triikkel, 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 SO₂

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

Reactivity of oil shale ashes towards SO₂

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

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

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

Re-assessment of CO₂ and SO₂ emissions in energy sector by using LEAP-model : experiences from Estonian energy sector planning

Kuldna, Piret; Kuhi-Thalfeldt, Reeli; Peterson, Kaja LIAISE Policy Brief 2013 / [9] p. : ill https://refubium.fu-berlin.de/bitstream/handle/fub188/18135/LIAISE_Policy_brief_03.pdf?sequence=1&isAllowed=y

Recurrent use of oil shale ash as sorbent for SO₂ removal

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

SO₂ binding at the combustion of oil shale in the mixture with semicoke

Triikkel, 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

SO₂ 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

SO₂ binding during CO-combustion of fossil fuels

Kaljuvee, Tiit; Kuusik, Rein, keemik; Triikkel, 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

SO₂ binding during CO-combustion of fossil fuels

Kaljuvee, Tiit; Kuusik, Rein, keemik; Triikkel, 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

SO₂ binding into the solid phase at thermooxidation of blends based on Estonian oil shale semicoke

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

SO₂ binding into the solid phase during thermooxidation of blends : Estonian oil shale semicoke

Kaljuvee, Tiit; Kuusik, Rein, keemik; Triikkel, 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>

SO₂ emissions from oil shale oxyfuel combustion in a 60 kW_{th} circulating fluidized bed

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

Studies on SO₄²⁻ ion incorporation into apatite structure

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

Termilised reaktsioonid apatiidi ja SO₂ 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 CO₂ and SO₂ 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/IASME 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 SO₂ 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 SO₂ 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 SO₂

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

Thermal interactions between apatites and SO₂

Veiderma, Mihkel; Tõnsuaadu, Kaia; Peld, Merike; Bender, Villem Third International Symposium on Inorganic Phosphate Materials : Villeneuve d'Ascq, France, Sept. 14-16, 1999 : book of abstracts 1999 / p. No. 0.2.10 https://www.researchgate.net/publication/286300928_THERMAL_INTERACTIONS_BETWEEN_APATITES_AND_SO2SUB

A thermogravimetric method for comparing the SO₂-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 SO₂-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 SO₂ 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

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.etera.ee/zoom/18995/view?page=1&p=separate&tool=info>

О сульфатизации летучей золы эстонских сланцев в атмосфере SO₂-воздух

Arro, Hendrik; Õpik, Ilmar 1958 https://www.ester.ee/record=b1381584*est <https://digikogu.taltech.ee/et/Item/d94e7aac-a84e-4862-a549-2b6efbfde287>

Об очистке дымовых газов сланцевых электростанций от SO₂

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

Обессеривание дымовых газов сухим улавливанием SO₂

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

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

Kallaste, Evi 1978 http://www.eester.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.eester.ee/record=b2356433*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.eester.ee/record=b1294037*est <https://digikogu.taltech.ee/et/item/ebe3de55-9448-4002-9aec-7e1ef9c57d96>