

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](#)

Alternative wood preservative systems in a combined impregnation process (CIP)

Liibert, Laura; Treu, Andreas; Meier, Pille Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21-22, 2010, Tallinn, Estonia 2010 / p. 190

Atmospheric fluidized bed gasification of untreated and leached olive residue, and co-gasification of olive residue, reed, pine pellets and Douglas fir wood chips

Link, Siim; Arvelakis, Stelios; Paist, Aadu; Martin, Andrew; Liliedahl, Truls; Sjöström, Krister Applied energy 2012 / p. 89-97 : ill

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

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

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; Triikkel, 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](#)

Combination of ozonation and Fenton processes for landfill leachate treatment : evaluation of treatment efficiency

Goi, Anna; Veressinina, Jelena; Trapido, Marina Ozone & Related Oxidants in : Advanced Treatment of Water for Human Health and Environment Protection : IOA International Conference Brussels, Belgium, May 15-16, 2008 2008 / p. 6.1.2-1 - 6.1.2.-12 : ill <https://www.tandfonline.com/doi/full/10.1080/01919510802582011>

Comparing the leaching behavior of phosphorus, aluminum and iron from post-precipitated tertiary sludge and anaerobically digested sewage sludge aiming at phosphorus recovery

Monea, Marlena; Löhr, Dirk Karsten; Meyer, Carsten; Ivanova Drenkova-Tuhtan, Asya Journal of cleaner production 2020 / art. 119129, 8 p. : ill <https://doi.org/10.1016/j.jclepro.2019.119129> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of two one-dimensional nitrogen leaching models at the watershed scale

Vassiljev, Anatoli Environmental engineering science 2006 / 1, p. 225-229 : ill <https://www.liebertpub.com/doi/10.1089/ees.2006.23.225>

Decreasing of the pollution from oil shale ash dump leachates by biological treatment

Savolainen, R.; Vainikainen, S.; Rintala, J.; Viitasaari, M. Environmental Protection Strategy Standardization and Control of Pollution Load on the Marine Environment : 1st International Conference, 20-24 September 1993, Tallinn, Estonia : abstracts 1993 / p. 23

Decreasing the pollution from oil shale ash dump leachates by biological treatment

Kettunen, R.; Rintala, J.; Viitasaari, M.; Vainikainen, S. Environmental Protection Strategy Standardization and Control of Pollution Load on the Marine Environment : 1st International Conference, 20-24 September 1993, Tallinn, Estonia 1994 / p. 98-103: ill

Dissolution kinetics of rare earth elements from Estonian phosphate rock using hydrochloric acid treatment

Azeez, Ruhany S.; Tõnsuaadu, Kaia; Einard, Marve; Kaljuvee, Tiit; Triikkel, Andres Minerals engineering 2025 / art. 109641 <https://doi.org/10.1016/j.mineng.2025.109641> <http://https://www.sciencedirect.com/science/article/pii/S0892687525004698>

A dual-porosity model for nitrogen leaching from a watershed

Vassiljev, Anatoli; Grimvall, A.; Larson, M. Hydrological sciences journal 2004 / p. 313-322 <https://doi.org/10.1623/hysj.49.2.313.34836>

Effect of leaching pre-treatment on the char reactivity of pyrolyzed wheat straw [Electronic resource]

Link, Siim; Arvelakis, Stelios; Paist, Aadu; Hupa, Mikko; Yrjas, Patrik; Külaots, Indrek 17th European Biomass Conference & Exhibition : from Research to Industry and Markets : proceedings of the International Conference held in Hamburg, Germany, 29 June - 3 July 2009 2009 / p. 1113-1121 [DVD]

Environmental assessment and sustainable management options of leachate and landfill gas treatment in Estonian municipal waste landfills

Voronova, Viktoria; Moora, Harri; Loigu, Enn Management of environmental quality : an international journal 2011 / p. 787-802 : ill

How does sample position affect the leachability of wood preservatives

Kängsepp, Kärt; **Larnoy, Erik**; Meier, Pille Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21-22, 2010, Tallinn, Estonia 2010 / p. 191

Insights into the REY inventory of seep carbonates from the Northern Norwegian margin using geochemical screening

Schier, Katharina; Himmler, Tobias; **Lepland, Aivo**; Kraemer, Dennis; Schoenenberger, Jasmin; Bau, Michael Chemical geology 2021 / art. 119857, 15 p. : ill <https://doi.org/10.1016/j.chemgeo.2020.119857> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Kui mürine on soe vesi?

Vill, Ants Kodu & Ehitus : TM 2024 / lk. 47-50 : fot https://www.ester.ee/record=b1740684*est

Ladestatava prügi leostustestimisalasest koostööst

Wahlström, Margareta; Laine-Ylijoki, Jutta; Hjelm, Ole; **Nuutre, Maaris**; **Loosaar, Jüri** Keskkonnatehnika 2003 / 5, lk. 43-47 https://artiklid.elnet.ee/record=b1014022*est

Leachability of wood protection agents from impregnated pine wood

Kängsepp, Kärt; **Larnoy, Erik**; **Kers, Jaan**; **Meier, Pille** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2012 / p. 663-667

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://doi.org/10.3176/oil.2014.4.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Leaching of PAHs from agricultural soils treated with oil shale combustion ash : an experimental study

Jefimova, Jekaterina; Adamson, Jasper; Reinik, Janek; Irha, Natalja Environmental science and pollution research 2016 / p. 20862-20870 : ill <https://doi.org/10.1007/s11356-016-7300-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Leaching of polycyclic aromatic hydrocarbons (PAHs) and heavy metals from the oil shale processing wastes and from waste-based products

Jefimova, Jekaterina 2015 https://www.ester.ee/record=b4474360*est

Leaching of the water-soluble calcium components of oil shale waste ash = Kaltsiumiühendite leostumine põlevkivituhha vesisüsteemides

Tamm, Kadriann 2016 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**; **Velts-Jänes, Olga**; **Kuusik, Rein**, **keemik** Oil shale 2016 / p. 80-99 : ill 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](#)

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

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 nitrogen leaching from a watershed

Vassiljev, Anatoli Proc. 8th IWA International Conference on Diffuse/Nonpoint Pollution : 24-29 Oct. 2004, Kyoto, Japan 2004 / p. 235-240

Modeling of wash-off and leaching of pollutants from watershed by spring flow for analyzing monitoring data

Vassiljev, Anatoli; **Blinova, Irina** Environmental Protection Strategy Standardization and Control of Pollution Load on the Marine Environment : 1st International Conference, 20-24 September 1993, Tallinn, Estonia 1994 / p. 160-165: ill

Modeling wash off and leaching of pollutants from watershed by spring flow for analyzing monitoring data

Vassiljev, Anatoli; **Blinova, Irina** Environmental Protection Strategy Standardization and Control of Pollution Load on the Marine Environment : 1st International Conference, 20-24 September 1993, Tallinn, Estonia : abstracts 1993 / p. 44-45: ill

Modeling wash-off and leaching of pollutants by spring-time flow

Vassiljev, Anatoli Journal of hydrology 1994 / 159, p. 215-222

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 semicoke leachate pre-treatment by means of advanced oxidation

Kulik, Niina; **Trapido, Marina**; **Veressinina, Jelena**; **Munter, Rein** Wasser Berlin 2006 : International Conference Ozone and UV :

Sustainable Solutions for Industry and the Environment : conference proceedings : April 3, 2006 2006 / p. 41-46 : ill

https://www.researchgate.net/publication/266067911_Oil_Shale_Semicoke_Leachate_Pre-treatment_by_means_of_Advanced_Oxidation

Oil shale semicoke leachate treatment using ozonation and the Fenton oxidation

Trapido, Marina; **Munter, Rein**; **Veressinina, Jelena**; **Kulik, Niina** Environmental technology 2006 / p. 307-315 : ill

<https://www.tandfonline.com/doi/abs/10.1080/09593332708618644>

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](#)

Properties and environmental impact of oil shale ash landfills

Pihu, Tõnu; **Konist, Alar**; **Puura, Erik**; **Liira, Martin**; **Kirsimäe, Kalle** Oil shale 2019 / p. 257-270 : ill

http://www.kirj.ee/public/oilshale_pdf/2019/issue_2/OS-2019-2-257-270.pdf <https://doi.org/10.3176/oil.2019.2.01> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quantification of oil shale industry ash flows – their chemical and mineralogical composition

Ummik, Mari-Liis; **Tamm, Kadriann**; **Järvik, Oliver**; **Nešumajev, Dmitri**; **Roosalu, Kati**; **Pihu, Tõnu**; **Konist, Alar** Oil shale 2025 / p. 129-166 <https://doi.org/10.3176/oil.2025.2.01>

A Sequential Leaching Protocol for $\delta^{11}\text{B}$ and Trace Element Analyses of Multi-Phase Carbonate Rocks

Hong, Wei-Li; **Lepland, Aivo**; **Cremiere, Antoine**; **Kirsimäe, Kalle**; **Stueken, Eva E.**; **Dumont, Matthew**; **Block, Heidi E.**; **Rae, James W. B.** Paleocceanography and Paleoclimatology 2024 / art. e2023PA004658, 22p. : ill <https://doi.org/10.1029/2023PA004658> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis and characterization of mechanical properties of boron–carbon-based superhard composites

Kommel, Lembit; **Omranpour Shahreza, Babak** Carbon Letters 2023 / p. 1311-1319 <https://doi.org/10.1007/s42823-022-00351-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

TalTechi professorid kinnitavad: plasttorudest eraldub joogivette kahjulikke kemikaale

Niidu, Allan; **Preis, Sergei**; **Annus, Ivar** Ehitaja 2024 / lk. 21-23 : fot https://www.ester.ee/record=b1072123*est

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 influence of raw material on the leachability of wood preservatives

Kängsepp, Kärt; **Meier, Pille**; **Larnoy, Erik** Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 53

Trace elements in oil shale ashes and waste wood ashes and their leachability with a focus on chromium

Roosalu, Kati; **Kamenev, Inna**; **Tanilas, Kristel**; **Reinik, Janek**; **Järvik, Oliver** Oil shale 2025 / p. 273-290 : ill <https://doi.org/10.3176/oil.2025.3.02>

Use of two one-dimensional models, describing leach[i]ng of nitrogen, on watershed scale

Vassiljev, Anatoli; **Blinova, Irina** XXII Nordic Hydrological Conference : Roros, Norway 4-7 August 2002. Vol. I 2002 / p. 249-258 : 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 <https://www.sciencedirect.com/science/article/pii/S1876610209009552>

Возможная модель взаимодействия органического углерода и редкоземельных металлов на примере диктионемовых сланцев

