

**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](#)

**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

**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; Traksmäa, 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](#)

**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>

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

Schier, Katharina; Himmeler, 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](#)

**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. 2 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://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](#)

**Nitrogen and phosphorus losses in Nordic and Baltic agricultural monitoring catchments-Spatial and temporal variations in relation to natural conditions and mitigation programmes**

Kyllmar, Katarina; Bechmann, Marianne; Blicher-Mathiesen, Gitte; Fischer, Franziska Katharina; Folster, Jens; **lital, Arvo**; Lagzdins, Ainis; Povilaitis, Arvydas; Rankinen, Katri CATENA 2023 / art. 107205 <https://doi.org/10.1016/j.catena.2023.107205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**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](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. Paleocyanography 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](#)

**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; Triikkel, 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](#)

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

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

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

Klyucharev, Dimitriy; **Soesoo, Alvar** Разведка и охрана недр 2021 / с. 75–79 <https://www.elibrary.ru/item.asp?id=46824055>