

Basics of new utilization processes for oil shale combustion wastes

Kuusik, Rein, keemik; Uibu, Mai; Raado, Lembi-Merike; Süld, Tiia-Maaja; Väizene, Vivika; Irha, Natalja; Kirsimäe, Kalle; Loide, Valli; Meriste, Tõnis International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 37

Betoon

Raado, Lembi-Merike TEA entsüklopeedia. 4, Becher-Burton 2009 / lk. 113

Betoon on suur süsinikuladu

Vill, Ants ehitusuudised.ee 2023 [Betoon on suur süsinikuladu](#)

Betoon on suur süsinikuladu

Vill, Ants; **Raado, Lembi-Merike** Ehitaja 2023 / lk.44-49 : fot https://www.ester.ee/record=b1072123*est
https://artiklid.elnet.ee/record=b2907197*est

Burnt oil shale - main constituent of portland cement

Raado, Lembi-Merike; Nurm, Viive CESB 07 Prague Conference : Central Europe towards Sustainable Building : Prague, Czech Republic, 24-26 September 2007 : proceedings. Volume 2 2007 / p. 746-751 : ill

Characteristics of Portland cements for sulfate and weather resistant concrete = Sulfaadi- ja ilmastikukindla betooni tootmiseks vajalike portlandtsementide iseloomulikud parameetrid

Hain, Tiina 2012 <https://digi.lib.ttu.ee/7809>

Composition and properties of oil shale ash concrete

Raado, Lembi-Merike; Hain, Tiina; Liisma, Eneli; Kuusik, Rein, keemik Oil shale 2014 / p. 147-160 : ill
https://artiklid.elnet.ee/record=b2673716*est <https://doi.org/10.3176/oil.2014.2.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrosion of cement and concrete - methods of testing and evaluation

Raado, Lembi-Merike; Hain, Tiina Management of Durability in the Building Process : International Workshop : Milan, 25-26 June 2003 : proceedings 2003 / [7] p. : ill

Corrosion resistance of portland cement CEM II/B-T stone and structural characteristics based on the requirements of the European standard

Raado, Lembi-Merike; Laur, Toomas Modern Building Materials, Structures and Techniques : abstracts of the 7th International Conference : held on May 16-18, 2001, Vilnius, Lithuania 2001 / p. 94-95

Damaging formula of the frost resistant concrete with poor quality of coarse limestone aggregate

Liisma, Eneli; Raado, Lembi-Merike Journal of civil engineering and architecture 2015 / p. 598-603 : ill

Defect analysis of renovated facade walls with etics solutions in cold climate conditions

Liisma, Eneli; Sepri, Raili; Raado, Lembi-Merike; Lill, Irene; Witt, Emlyn David Qivitoq; Sulakatko, Virgo; Põldaru, Mattias CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [book of abstracts] 2016 / p. 65-66

Defect analysis of renovated facade walls with etics solutions in cold climate conditions [Online resource]

Liisma, Eneli; Sepri, Raili; Raado, Lembi-Merike; Lill, Irene; Witt, Emlyn David Qivitoq; Sulakatko, Virgo; Põldaru, Mattias CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [electronic proceedings] 2016 / p. 174-181 : ill

Delayed ettringite formation in thermal hardened mortars

Raado, Lembi-Merike; Laur, Toomas; Kikas, Verner IBAUSIL : 14. Internationale Baustofftagung : 20.-23. September 2000, Weimar, Bundesrepublik Deutschland : Tagungsbericht. Band 1 2000 / p. 1-0839 - 1-0848 : ill

Durability behavior of portland burnt oil shale cement concrete

Raado, Lembi-Merike; Tuisk, Tanel; Rosenberg, Margit; Hain, Tiina Oil shale 2011 / p. 507-515 : ill
https://artiklid.elnet.ee/record=b2463387*est

Durability of concrete and brick facades of apartment buildings built between 1960-90 in Estonia

Ilomets, Simo; Kalamees, Targo; Agasild, Tõnis; Öiger, Karl; Raado, Lembi-Merike XII International Conference on Durability of Building Materials and Components (XII DBMC), Porto, Portugal, April 12th-15th, 2011 2011 / p. 1171-1178 : ill
<https://www.irbnet.de/daten/iconda/CIB22471.pdf>

Eesti eluasemefondi ehitustehniline seisukord - ajavahemikul 1990-2010 kasutusele võetud korterelamud : uuringu lõpparuanne

Kalamees, Targo; Ilomets, Simo; Liias, Roode; Raado, Lembi-Merike; Kuusk, Kalle; Maivel, Mikk; Ründva, Marko; Klõšeiko, Paul; Liho, Eva; Paap, Leena; Mikola, Alo; Seinre, Erkki; Lill, Irene; Soekov, Erki; Paadam, Katrin; Ojamäe, Liis; Kallavus,

Urve; Mikli, Lauri; Kõiv, Teet-Andrus 2012 http://www.ester.ee/record=b2878060*est

Eesti eluasemefondi telliskorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne
Kalamees, Targo; Kõiv, Teet-Andrus; Liias, Roode; Öiger, Karl; Kallavus, Urve; Mikli, Lauri; Ilomets, Simo; Kuusk, Kalle; Maivel, Mikk; Mikola, Alo; Klõšeiko, Paul; Agasild, Tõnis; Arumägi, Endrik; Liho, Eva; Ojang, Tanel; Tuisk, Tanel; Raado, Lembi-Merike; Jõesaar, Tõnu 2010 http://www.ester.ee/record=b2665958*est

Effect of alkyl sulfonates on freezing resistance of cement mortars

Piiraja, Eduard; Lippmaa, Helle; Raado, Lembi-Merike; Nikitina, Nonna Proceedings of the Estonian Academy of Sciences. Engineering 1996 / 1, p. 61-71: ill

Effect of portland cement composition on sulphate resistance

Raado, Lembi-Merike; Hain, Tiina 1. Baltijas valstu silikatu materialu konference : Riga, 2004.g. 27.-28.maijs : book of abstracts 2004 / p. 15

Ehitusmaterjalid

Raado, Lembi-Merike 2018 https://www.ester.ee/record=b5151207*est

Ehitustootluse instituut 1992-2016

Lill, Irene; Laur, Toomas; Raado, Lembi-Merike; Liias, Roode 100 aastat TTÜ ehitusinseneri 2018 / lk. 312-316 : fot., ill

Fibroliid

Raado, Lembi-Merike TEA entsüklopeedia. 7. köide, Faial-Haamer 2011 / lk. 44

Heliisolatsioon

Raado, Lembi-Merike TEA entsüklopeedia. 8. köide, Haanja-indaan 2012 / lk. 122-123

In memoriam Evald Piksarv : 25.02.1914-30.10.1997

Raado, Lembi-Merike Tallinna Tehnikaülikooli aastaraamat 1998 1999 / lk. 229-230

Internal and external damages of concrete with poor quality of coarse limestone aggregate

Liisma, Eneli; Raado, Lembi-Merike CESB 13 Prague : Central Europe towards Sustainable Building 2013 : sustainable building and refurbishment for next generations 2013 / p. 393-396

Kas tsemenditööstus ja betooni kasutamine põhjustavad õhu saastumist?

Raado, Lembi-Merike Ehitaja 2011 / 5/6, lk. 49-51 : ill https://artiklid.elnet.ee/record=b2424295*est

Katusekivi ; Katusepapp ; Kergkruus ; Killustik ; Kips ; Kiudbetoon ; Kivivill ; Klaas ; Klaasvill

Raado, Lembi-Merike TEA entsüklopeedia. 10. köide, Kallas - klarnet 2013 / lk. 182, 249, 306, 330, 354, 364, 365, 368

Kommentaar [artiklile: Liitiumtehnoloogia betoonpõrandate kaitseks / Mait Eelrand]

Raado, Lembi-Merike; Eelrand, Mait Ehitaja 2005 / 2, lk. 69 https://artiklid.elnet.ee/record=b1017658*est

Kommentaar [artiklile: Šungiit - imekivi või ehitusmaterjal? / Mait Eelrand]

Raado, Lembi-Merike; Eelrand, Mait Ehitaja 2005 / 5, lk. 61 https://artiklid.elnet.ee/record=b2013198*est

Korrosioonikaitse ehituses

Raado, Lembi-Merike 2022 https://www.ester.ee/record=b5491613*est

Laboratory study of plaster, render and mortar samples

Raado, Lembi-Merike; Hain, Tiina The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)" 2013 / p. 69-78 : ill

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](#)

Millist tsementi kasutada?

Raado, Lembi-Merike Ehitaja 2004 / 10, lk. 43-45 ; 11, lk. 44-49 : ill https://artiklid.elnet.ee/record=b1016662*est

Mineralogical composition and strength formation of oil shale ash based building composites

Raado, Lembi-Merike; Hain, Tiina; Somelar, Peeter; Uibu, Mai International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 / p. 58

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 ash based stone formation - hydration, hardening dynamics and phase transformations

Raado, Lembi-Merike; Kuusik, Rein, keemik; Hain, Tiina; Uibu, Mai; Somelar, Peeter Oil shale 2014 / p. 91-101 : ill

https://artiklid.elnet.ee/record=b2664060*est <https://doi.org/10.3176/oil.2014.1.09> [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](#)

Palava kivi - Viron teollisuuden perusraaka-aine

Raado, Lembi-Merike Rakennustekniika 1993 / 3, s. 17-19

Performance testing of frost damage model by hygrothermal simulation

Ilomets, Simo; Kalamees, Targo; Raado, Lembi-Merike Proceedings of the 5th International Building Physics Conference (IBPC) : Kyoto, Japan, May 28-31, 2012 2012 / p. 73-80 : ill

Properties of fluidized bed burnt oil shale ashes

Raado, Lembi-Merike; Nurm, Viive European Symposium on Service Life and Serviceability of Concrete Structures : ESCS-2006 :

June 12-14, 2006, Espoo, Finland : proceedings 2006 / p. 200-205 : ill

Raimond Otsman : 05.10.1916-18.12.2002 [p. o. 18.12.2003] : [nekroloog]

Raado, Lembi-Merike Tallinna Tehnikaülikooli aastaraamat 2003 2004 / lk. 394-395

Silikaatkividest ehitamine teeb comeback'i

Oja, Tõnis Postimees 2020 / Lk. 8-9 : portr <https://leht.postimees.ee/6987807/silikaatkividest-ehitamine-teeb-comeback-i>
https://www.ester.ee/record=b1072778*est

Stability of mineral binding based external rendering systems

Raado, Lembi-Merike; Tuisk, Tanel Modern Buildings Materials, Structures and Techniques : abstracts of the 8th International Conference : held on May 19-22, 2004, Vilnius, Lithuania 2004 / p. 103-104

Strength development and leachability of oil shale ash based backfilling concrete

Uibu, Mai; Somelar, Peeter; Raado, Lembi-Merike; Irha, Natalja; Kuusik, Rein, keemik International Symposium "Oil shale 100

years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 46-47

Sulphate resistance of various portland cements

Raado, Lembi-Merike; Hain, Tiina ibausil : 15. Internationale Baustofftagung = International Conference on Building Materials. Band 2 2003 / p. 0975-0981 : ill

Suvesemester

Raado, Lembi-Merike Tehnikaülikool 1992 / 20. mai, lk. 5 https://www.ester.ee/record=b5309277*est

Tallinna Tehnikaülikooli professor: praod täituvad valdavalt kaltsiumkarbonaadi kristallisatsiooniga tõttu : [L.-M.Raado kommentaar artiklile "Iseparanev betoon - senisest vastupidavam ja turvalisem?"]

Raado, Lembi-Merike Ehitaja 2009 / 7/8, lk. 69

TEA entsüklopeedia

Eerme, Kalju; Loide, Rein-Karl; Nõlvak, Jaak; Alver, Jaan; Purju, Alari; Kask, Jüri; Kõiv, Teet-Andrus; Mespak, Vello; Metsaveer, Jaan; Mõisnik, Kuulo; Raado, Lembi-Merike; Vain, Jüri 2014

TEA entsüklopeedia

2011 https://www.ester.ee/record=b2712813*est

TEA entsüklopeedia

2012 https://www.ester.ee/record=b2772002*est

TEA entsüklopeedia

2012 https://www.ester.ee/record=b2869027*est

TEA entsüklopeedia

2013 https://www.ester.ee/record=b2925120*est

TEA entsüklopeedia

Tulviste, Peeter; **Engelbrecht, Jüri**; Eerme, Kalju; **Loide, Rein-Karl**; **Nõlvak, Jaak**; **Christjanson, Peep**; **Kann, Jüri**; **Viikna, Anti**; **Alver, Jaan**; **Ennuste, Ülo**; **Gerndorf, Kostel**; Abel, Mart; **Vene, Varmo**; Albri, Rein; **Kask, Jüri**; Aro, Rein; **Kõiv, Teet-Andrus**; **Mespak, Vello**; **Metsaveer, Jaan**; **Mõisnik, Kuulo**; **Raado, Lembi-Merike**; **Reinsalu, Enno**; **Vares, Villu**; **Kaasik, Imbi** 2008 https://www.ester.ee/record=b2408734*est

TEA entsüklopeedia

Tulviste, Peeter; **Engelbrecht, Jüri**; Eerme, Kalju; **Loide, Rein-Karl**; **Nõlvak, Jaak**; **Christjanson, Peep**; **Kann, Jüri**; **Viikna, Anti**; **Alver, Jaan**; **Gerndorf, Kostel**; Abel, Mart; **Vene, Varmo**; Aro, Rein; **Mespak, Vello**; **Metsaveer, Jaan**; **Raado, Lembi-Merike**; **Reinsalu, Enno**; **Sinivee, Veljo**; **Vares, Villu**; **Kaasik, Imbi** 2009 https://www.ester.ee/record=b2465036*est

TEA entsüklopeedia

Tulviste, Peeter; **Engelbrecht, Jüri**; Eerme, Kalju; **Loide, Rein-Karl**; **Nõlvak, Jaak**; **Christjanson, Peep**; **Gerndorf, Kostel**; **Purju, Alari**; **Mespak, Vello**; **Metsaveer, Jaan**; **Mõisnik, Kuulo**; **Vares, Villu**; **Raado, Lembi-Merike**; **Reinsalu, Enno**; **Sinivee, Veljo**; **Kaasik, Imbi**; **Nuuma, Poigo** 2009 https://www.ester.ee/record=b2542726*est

TEA entsüklopeedia

2011 https://www.ester.ee/record=b2666688*est

Tehiskivimaterjalid Eesti 20. sajandi arhitektuuris : kasutuslugu ja väärtustamine

Mändel, Maris 2019 https://www.ester.ee/record=b5283989*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**; **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](#)

The damaging effect of carbonation process on frost resistant concrete after freeze/thaw cycles

Liisma, Eneli; **Raado, Lembi-Merike**; **Kraht, Jarko** Advanced Engineering and Technology II : proceedings of the 2nd Annual Congress on Advanced Engineering and Technology (CAET 2015), Hong Kong, 4-5 April 2015 2015 / p. 13-18 : ill

The effect of moisture content of insulation boards on the adhesion strenght of ETICS

Liisma, Eneli; **Raado, Lembi-Merike**; **Lumi, Silver**; **Lill, Irene**; **Sulakatko, Virgo** Recent advances in civil engineering and mechanics : [proceedings of the 5th ECCIE'14, 2nd CEM'14, 2nd OTENG'14 : Florence, Italy, November 22-24, 2014] 2014 / p. 103-108 : ill

The effect of temperature and humidity on the permanence of external thermal insulation composite systems

Liisma, Eneli; **Lõhmus, Gert**; **Raado, Lembi-Merike** Procedia engineering 2015 / p. 340-348 : ill <https://doi.org/10.1016/j.proeng.2015.06.156> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Tsemendi sulfaadikindlus - betooni püsivuse üks eeltingimusi

Kikas, Verner; **Laur, Toomas**; **Raado, Lembi-Merike** Ehitaja 1999 / 5, lk. 74-75; 6, lk. 68-69: ill https://artiklid.elnet.ee/record=b1000961*est

Ursache und Wirkungsweise der Alkalireaktion in den aus estnischem Portlandölschieferzement hergestellten Betonen

Kikas, Verner; **Ojaste, Kalju**; **Raado, Lembi-Merike** ZKG International = Zement, Kalk, Gips international 1999 / 2, S. 106-111

Utilization of oil shale ash as a concrete constituent and carbon sink

Uibu, Mai; Somelar, Peeter; **Raado, Lembi-Merike**; Irha, Natalja; Koroljova, Arina; **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. 120-129 : ill

Verner Kikas 8.12.1916-7.03.2000 : in memoriam

Raado, Lembi-Merike Tallinna Tehnikaülikooli aastaraamat 2000 2001 / lk. 289-290

Влияние добавок на прочность бетона

Soidra, Raigo; **Raado, Lembi-Merike** Eesti Põllumajanduse Akadeemia teaduslike tööde kogumik = Сборник научных трудов Эстонской сельскохозяйственной академии 1977 / с. 14-20

Влияние содержания щелочей цемента на стойкость пропаренного бетона в сульфатных растворах

Piksarv, Evald; **Kikas, Verner**; **Raado, Lembi-Merike** Сборник трудов по изучению золы сланца-кукерсита. 7 1975 / с. 79-85 : ил https://www.ester.ee/record=b2190712*est <https://digikogu.taltech.ee/et/Item/0a5aad8d-50e2-4185-83af-8727e0401bb4>

Исследование возможности изготовления расширяющихся сланцезольных портландцементов

Raado, Lembi-Merike; Lehiste, R. Теория и технология получения строительных материалов из зол твердых топлив 1980 / с. 33-43 : илл https://www.ester.ee/record=b1264063*est <https://digikogu.taltech.ee/et/Item/f8d2178a-531a-498e-8982-0cc6259a2d8b>

Исследование коррозионной стойкости сланцезольного портландцемента

Raado, Lembi-Merike; Piksarv, Evald Труды научно-технической конференции "Изучение и применение сланцезольных цементов" : [Таллин, 23-24 сентября 1971 года] 1971 / с. 79-83 : илл https://www.ester.ee/record=b1335722*est

Какой цемент использовать

Raado, Lembi-Merike Строитель 2004 / 4, с. 37-44 : ил https://artiklid.elnet.ee/record=b1017054*est

Комментарий специалиста

Raado, Lembi-Merike Строитель 2005 / 1, с. 52

Коррозия сланцезольного портландцемента в агрессивных растворах : автореферат ... кандидата технических наук (05.17.11)

Raado, Lembi-Merike 1975 https://www.ester.ee/record=b1320487*est

Коррозия сланцезольного портландцемента в агрессивных растворах : диссертация ... кандидата технических наук

Raado, Lembi-Merike 1975

Растворимость и коррозионная стойкость цементов при разных режимах твердения

Raado, Lembi-Merike; Piksarv, Evald; Kikas, Verner Сборник трудов по изучению зол сланца-кукерсита. 7 1975 / с. 87-96 : илл https://www.ester.ee/record=b2190712*est <https://digikogu.taltech.ee/et/Item/0a5aad8d-50e2-4185-83af-8727e0401bb4>

Сравнительная коррозионная стойкость пропаренных цементов в сульфатных растворах

Raado, Lembi-Merike; Piksarv, Evald Теория и технология получения строительных материалов из зол твердых топлив 1977 / с. 35-41 : илл https://www.ester.ee/record=b1312059*est <https://digikogu.taltech.ee/et/Item/d8bffa0a-39cd-4fa7-9044-e98e3ef5fdd4>

Стойкость пропаренных сланцезольно-портландцементных бетонов против сульфатной коррозии

Raado, Lembi-Merike; Piksarv, Evald Научно-техническая конференция "Стойкость золных цементов" : тезисы докладов 1976 / с. 19-20 https://www.ester.ee/record=b1351066*est

Стойкость сланцезольного портландцемента в агрессивных растворах

Raado, Lembi-Merike; Piksarv, Evald Тезисы докладов VI конференции молодых ученых и специалистов Прибалтики и БССР по проблемам стройматериалов и конструкций, 12-14 ноября 1973 года 1973 / с. 117-119 https://www.ester.ee/record=b1336620*est

Стойкость сланцезольного портландцемента в растворах сульфата магния

Kikas, Verner; Raado, Lembi-Merike; Piksarv, Evald Сборник трудов по изучению зол сланца-кукерсита. 6 1972 / с. 133-143 : илл https://www.ester.ee/record=b2190533*est <https://digikogu.taltech.ee/et/Item/29889133-4a49-423b-82d3-22a748732c52>

Стойкость сланцезольного портландцемента в растворах щелочных хлоридов

Raado, Lembi-Merike; Kikas, Verner; Piksarv, Evald Сборник трудов по изучению зол сланца-кукерсита. 6 1972 / с. 123-132 : илл https://www.ester.ee/record=b2190533*est <https://digikogu.taltech.ee/et/Item/29889133-4a49-423b-82d3-22a748732c52>

Стойкость сланцезольного портландцемента в условиях коррозии выщелачивания

Raado, Lembi-Merike; Piksarv, Evald Тезисы докладов VII конференции молодых ученых и специалистов Прибалтики и БССР по проблемам стройматериалов и конструкций, 7-10 окт. 1974 г. 1974 / с. 54-55 https://www.ester.ee/record=b1535847*est

Теория и технология получения строительных материалов из зол твердых топлив : сборник статей

1979 https://www.ester.ee/record=b1271211*est <https://digikogu.taltech.ee/et/Item/70d7146f-2575-458f-98b0-3bfa4bb7d4a5>