

### **A synergy code in co-pyrolysis**

**Johannes, Ille; Palu, Vilja** Oil shale 2013 / p. 471-490 : ill [https://artiklid.elnet.ee/record=b2651379\\*est](https://artiklid.elnet.ee/record=b2651379*est)

### **Applicability of static supercritical carbon dioxide extraction in biogeochemical characterization of oil shales**

**Luik, Hans; Luik, Lea; Palu, Vilja; Šarajeva, Galina; Gregor, Andre** American journal of analytical chemistry 2014 / p. 173-180 : ill

### **Biomassi ja põlevkivide ekstraktsioon superkriitilise veaga**

**Palu, Vilja; Kruusement, Kristjan; Veski, Rein** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 77

### **Co-conversion of Salix biomass and oil shale in the medium of supercritical water**

**Luik, Hans; Palu, Vilja; Tamvelius, Hindrek; Luik, Lea; Sokolova, Julia** 16th European Biomass Conference & Exhibition : from Research to Industry and Markets : proceedings of the International Conference held in Valencia, Spain, 2-6 June 2008 2008 / p. 2007-2009

### **Co-liquefaction of kukersite oil shale and pine wood in supercritical water**

**Veski, Rein; Palu, Vilja; Kruusement, Kristjan** Oil shale 2006 / 3, p. 236-248 : ill [https://artiklid.elnet.ee/record=b2362526\\*est](https://artiklid.elnet.ee/record=b2362526*est)

### **Conversion of pine Pinus sylvestris cones with supercritical water**

**Luik, Lea; Luik, Hans; Tamvelius, Hindrek; Palu, Vilja; Kruusement, Kristjan** 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. 1941-1944

### **Conversion of the Estonian fossil and renewable feedstocks in the medium of supercritical water**

**Luik, Lea; Luik, Hans; Palu, Vilja; Kruusement, Kristjan; Tamvelius, Hindrek** Advances in Analytical and Applied Pyrolysis 2006-2008 : book of abstracts of the communications presented to the 18th International Symposium on Analytical and Applied Pyrolysis : Lanzarote, Canary Islands, May 18-23, 2008 2008 / p. 247

### **Conversion of the Estonian fossil and renewable feedstocks in the medium of supercritical water**

**Luik, Lea; Luik, Hans; Palu, Vilja; Kruusement, Kristjan; Tamvelius, Hindrek** Journal of analytical and applied pyrolysis 2009 / 1/2, p. 492-496 : ill <https://www.sciencedirect.com/science/article/pii/S0165237008001253>

### **Co-processing of oil shale with some other energy sources**

**Luik, Hans; Bojesen-Koefoed, Jorgen; Luik, Lea; Palu, Vilja; Sokolova, Julia; Tamvelius, Hindrek; Tiikma, Laine** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 71-72 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

### **Copyrolysis of Estonian oil shale and peat**

**Sokolova, Julia; Luik, Hans; Palu, Vilja** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 75 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

### **Diktüoneema põlevkivi vesikonversioon reagentide juuresolekul**

**Šarajeva, Galina; Palu, Vilja; Kruusement, Kristjan; Luik, Lea** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 68

### **Diktüoneemakilda ekstraktsioon superkriitilise fluidiga**

**Kruusement, Kristjan; Palu, Vilja; Šarajeva, Galina; Luik, Hans** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 38

### **Evaluation of oil potential of Estonian shales and biomass samples using rock-eval analyzer**

**Johannes, Ille; Kruusement, Kristjan; Palu, Vilja; Veski, Rein; Bojesen-Koefoed, Jorgen** Oil shale 2006 / 2, p. 110-118 : ill [https://artiklid.elnet.ee/record=b2363543\\*est](https://artiklid.elnet.ee/record=b2363543*est)

### **Hüpergeneetilised muutused Maardu karjääri diktüoneemakilta sisaldavates puistangutes**

**Palu, Vilja; Veski, Rein; Palvadre, Rein; Ahelik, Viktor; Puura, Erik; Petersell, Valter** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 103-105

### **Liquefaction and gasification of Estonian oil shales in the medium of hot compressed water**

**Kruusement, Kristjan; Luik, Hans; Luik, Lea; Palu, Vilja; Vink, Natalia; Vogel, Frederic** International Oil Shale Symposium : Tallinn, Estonia, June 8-11, 2009 : future energy solutions : come and share your vision! 2009 / p. 42-43 [http://www.ester.ee/record=b4775098\\*est](http://www.ester.ee/record=b4775098*est)

### **Liquefaction of Estonian kukersite oil shale kerogen with selected superheated solvents in static conditions**

**Luik, Hans; Palu, Vilja; Bitjukov, Mihhail; Luik, Lea; Kruusement, Kristjan; Tamvelius, Hindrek; Pryadka, N.** Oil shale 2005 / 1, p. 25-36 : ill [https://artiklid.elnet.ee/record=b2342140\\*est](https://artiklid.elnet.ee/record=b2342140*est)

### **Low-temperature pyrolysis and co-pyrolysis of Göynük oil shale and terebinth berries (Turkey) in an autoclave**

Yanik, J.; Secim, P.; Karakaya, S.; **Tiikma, Laine**; **Luik, Hans**; **Krasulina, Julia**; **Raik, Peep**; **Palu, Vilja** Oil shale 2011 / p. 469-486 : ill [https://artiklid.elnet.ee/record=b2463385\\*est](https://artiklid.elnet.ee/record=b2463385*est)

### **Mathematical modeling of synergy in co-pyrolysis**

**Johannes, Ille**; **Tiikma, Laine**; **Palu, Vilja**; **Jurjeva, Jelena** International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 / p. 66

### **Peat semicoking and hydrocracking**

**Luik, Hans**; **Palu, Vilja**; **Luik, Lea**; **Sokolova, Julia** Advances in Analytical and Applied Pyrolysis 2006-2008 : book of abstracts of the communications presented to the 18th International Symposium on Analytical and Applied Pyrolysis : Lanzarote, Canary Islands, May 18-23, 2008 2008 / p. 248 <https://www.sciencedirect.com/science/article/pii/S0165237008001241>

### **Peat semicoking and hydrocracking**

**Luik, Hans**; **Palu, Vilja**; **Luik, Lea**; **Sokolova, Julia**; Bojesen-Koefoed, Jorgen Journal of analytical and applied pyrolysis 2009 / 1/2, p. 497-501 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0165237008001241>

### **Pilliroo termokeemiline destruktsioon**

**Veski, Rein**; **Palu, Vilja**; Bljakhina, Irina; Kruusement, Kristjan; Vink, Natalia; **Kask, Livia**; **Kask, Ülo** Taastuvate energiaallikate uurimine ja kasutamine : viienda konverentsi kogumik 2004 / lk. 72-79 : ill

### **Plastjätmete vesikonversioon**

**Tiikma, Laine**; **Palu, Vilja** Eesti Põlevloodusvarad ja -jätmed 2005 / 1/2, lk. 29-30

### **Puukoor kui võimalik keemiatööstuse toore vedelkütuste ja kemikaalide saamiseks**

**Veski, Rein**; **Palu, Vilja**; **Joa, Kelly**; **Kruusement, Kristjan**; **Luik, Hans** Taastuvate energiaallikate uurimine ja kasutamine : kuuenda konverentsi kogumik : [11. nov. 2004, Tartu] 2005 / lk. 119-131 : ill

### **Pyrolysis and supercritical water conversion of pine *Pinus sylvestris* ingredients**

**Luik, Hans**; **Luik, Lea**; **Palu, Vilja**; **Tamvelius, Hindrek** 21st European Biomass Conference and Exhibition 2013 / p. 914-917

### **Stepwise supercritical carbon dioxide extraction of Estonian oil shales in batch autoclave in temperature region 40-150 °C**

**Luik, Hans**; **Palu, Vilja**; **Luik, Lea**; **Šarajeva, Galina** Organic Geochemistry : Trends for the 21st Century : book of abstracts of the communications presented to the 26th International Meeting on Organic Geochemistry, Costa Adeje, Tenerife - Spain, September 15-20, 2013. Vol. 2 2013 / p. 205-206

### **Supercritical fluid extraction of dictyonema oil shale**

**Kruusement, Kristjan**; **Palu, Vilja**; **Šarajeva, Galina**; **Luik, Hans** International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 / p. 67

### **Sünergiakood**

**Johannes, Ille**; **Tiikma, Laine**; **Palu, Vilja** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 20

### **Süsiniku isotoopkoostis ning bioloogiliste markerite jaotumine Balti regiooni naftades ja kivimites**

Bondar, J.; Bitjukov, Mihhail; **Palu, Vilja**; **Liiv, Milana**; Müürisepp, Aleksander-Mati XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 13-14

### **Synergy in co-liquefaction of oil shale and willow in supercritical water**

**Johannes, Ille**; **Luik, Hans**; **Palu, Vilja**; **Kruusement, Kristjan**; **Gregor, Andre** Fuel 2015 / p. 180-187 : ill <http://dx.doi.org/10.1016/j.fuel.2014.12.031>

### **The composition of dictyonema shale weathering products**

**Palu, Vilja**; **Veski, Rein**; **Suvorova, Galina** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 55

### **Thermochemical Co-liquefaction of Estonian kukersite oil shale with peat and pine bark**

**Krasulina, Julia**; **Luik, Hans**; **Palu, Vilja**; **Tamvelius, Hindrek** Oil shale 2012 / p. 222-236 : ill [https://artiklid.elnet.ee/record=b2527827\\*est](https://artiklid.elnet.ee/record=b2527827*est)

### **Thermochemical liquefaction of reed**

**Veski, Rein**; **Palu, Vilja**; **Luik, Hans**; **Kruusement, Kristjan** Proceedings of the Estonian Academy of Sciences. Chemistry 2005 / 1, p. 45-56 : ill

### **Thermochemical liquefaction of reed [Electronic resource]**

**Veski, Rein**; **Palu, Vilja**; **Luik, Hans**; **Kruusement, Kristjan** 14th European Biomass Conference : proceedings 2006 / p. 947-949

[CD-ROM] <https://go.gale.com/ps/i.do?id=GALE%7CA198705954&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=14060124&p=AONE&sw=w&userGroupName=anon%7Eec7ac821&aty=open-web-entry>

**Transformations of biomass internal oxygen at varied pyrolysis conditions**

**Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan** 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 139

**Transformations of biomass internal oxygen at varied pyrolysis conditions**

**Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan** Journal of analytical and applied pyrolysis 2007 / 1/2, p. 121-127

**Trends in biomass thermochemical liquefaction : global experience and recent studies in Estonia**

**Luik, Hans; Palu, Vilja; Luik, Lea; Kruusement, Kristjan; Tamvelius, Hindrek; Veski, Rein; Vetkov, Nikolai; Vink, Natalia; Bitjukov, Mihhail** Proceedings of the Estonian Academy of Sciences. Chemistry 2005 / 4, p. 194-229 : ill

**Upgrading of Estonian shale oil heavy residuum bituminous fraction by catalytic hydroconversion**

**Luik, Hans; Luik, Lea; Johannes, Ille; Tiikma, Laine; Vink, Natalia; Palu, Vilja; Bitjukov, Mihhail; Tamvelius, Hindrek; Krasulina, Julia; Kruusement, Kristjan; Nechaev, Igor** Fuel processing technology 2014 / p. 115-122 : ill

**Water conversion of dictyonema oil shale in the presence of reagents**

**Šarajeva, Galina; Palu, Vilja; Kruusement, Kristjan; Jurjeva, Jelena; Luik, Lea** International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 / p. 68-69

**Õliteke puidu ja põlevkivi segude vesikonversioonil**

**Veski, Rein; Palu, Vilja; Kruusement, Kristjan** Taastuvate energiaallikate uurimine ja kasutamine : seitsmenda konverentsi kogumik : [13. okt. 2005], Tartu, Estonia 2006 / lk. 143-152 : ill