

Annual variation of yield and composition of the essential oil of common juniper (*Juniperus communis* L.) branches from Estonia

Raal, Ain; Kanut, Margarita; **Orav, Anne** Baltic forestry 2010 / 1, p. 50-56 : ill

https://www.researchgate.net/publication/285778422_Annual_Variation_of_Yield_and_Composition_of_the_Essential_Oil_of_Common_Juniper_Juniperus_communis_L_Branches_from_Estonia

β -Asarone content and essential oil composition of *Acorus calamus* L. rhizomes from Estonia

Raal, Ain; **Orav, Anne**; Gretšušnikova, Tatjana Journal of Essential Oil Research 2016 / p. 299 - 304

<https://doi.org/10.1080/10412905.2016.1147391> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bioactive components of the hop strobilus : comparison of different extraction methods by capillary electrophoretic and chromatographic methods

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; Kamsol, Kristjan; **Orav, Anne**; Kaljurand, Mihkel Journal of chromatography A 2007 / p. 222-229 : ill

https://www.academia.edu/60646251/Bioactive_components_of_the_hop_strobilus_Comparison_of_different_extraction_methods_by_capillary_electrophoretic_and_chromatographic_methods

Chemical Composition and Antibacterial Effect of *Mentha* spp. Grown in Estonia

Kapp, Karmen; Püssa, Tõnu; **Orav, Anne**; Roasto, Mati; Raal, Ain; Vuorela, Pia; Vuorela, Heikki; Tammela, Päivi Natural product communications 2020 / 14 p <https://doi.org/10.1177/1934578X20977615> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chemical composition and antimicrobial activity of plant essential oils

Kravets, Marina; Lõugas, Tiina; Orav, Anne; Vokk, Raivo Proceedings of 5th International Congress on Food Technology.

Volume 2 2007 / p. 396-401

Chemical composition of essential oil of common juniper (*Juniperus communis* L.) branches from Estonia

Raal, Ain; Komarov, Rostislav; **Orav, Anne**; Kapp, Karmen; Grytsyk, Andriy; Koshovyi, Oleh ScienceRise: Pharmaceutical Science 2022 / p. 66 - 73 <https://doi.org/10.15587/2519-4852.2022.271048> Journal metrics at Scopus Article at Scopus

Chemical composition of *Serpulli herba* essential oil of Estonian origin

Paaver, Urve; **Orav, Anne**; Arak, Elmar; Mäeorg, Uno; Raal, Ain 1st BBBB Conference on Pharmaceutical Sciences : September 26-28, 2005, Siofok, Hungary : programme book 2005 / p. 191-195

Chemical investigation of the essential oil from berries and needles of common juniper (*Juniperus communis* L.) growing wild in Estonia

Orav, Anne; Kailas, Tiit; Müürisepp, Aleksander-Mati Natural product research 2010 / 19, p. 1789-1799

Chemosystematic markers for the essential oils in leaves of *Mentha* species cultivated or growing naturally in Estonia

Orav, Anne; Kapp, Karmen; Raal, Ain Proceedings of the Estonian Academy of Sciences 2013 / p. 175-186

https://artiklid.elnet.ee/record=b2624901*est <https://doi.org/10.3176/proc.2013.3.03> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Commercial peppermint (*Mentha x piperita* L.) teas : antichlamydial effect and polyphenolic composition

Kapp, Karmen; Hakala, Elina; **Orav, Anne** Food research international 2013 / p. 758-766 : ill

<https://www.sciencedirect.com/science/article/abs/pii/S0963996913001087> <https://doi.org/10.1016/j.foodres.2013.02.015> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparacion de aceites esenciales de *Matricaria recutita* L. de origen diverso

Raal, Ain; Arak, Elmar; **Orav, Anne**; Ivask, Kaie Ars pharmaceutica 2004 / 2, p. 159-165 <https://www.ugr.es/~ars/abstract/44-159-03.pdf>

Comparative analysis of content and composition of essential oils of *Thymus vulgaris* L. from different regions of Europe

Raal, Ain; Gontova, Tetiana; Palmeos, Maie; **Orav, Anne**; Sayakova, Galiya; Koshovyi, Oleh Proceedings of the Estonian Academy of Sciences 2024 / p. 332-344 <https://doi.org/10.3176/proc.2024.4.02> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative analysis of the composition of essential oils and supercritical carbon dioxide extracts from the berries and needles of Estonian juniper (*Juniperus communis* L.)

Orav, Anne; Koel, Mihkel; Kailas, Tiit; Müürisepp, Aleksander-Mati Procedia chemistry 2010 / p. 161-167

Comparative analysis of the composition of the essential oil from the shoots, leaves and stems the wild *Ledum palustre* L. from Estonia

Gretšušnikova, Tatjana; Järvan, Kerly; Orav, Anne; Koel, Mihkel Procedia chemistry 2010 / p. 168-173

Comparative analysis of the essential oil and supercritical carbon dioxide extracts of *Juniperus communis* L. berries and

needles from Estonia

Orav, Anne; Koel, Mihkel; Kailas, Tiit; Müürisepp, Aleksander-Mati NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 123

Comparative analysis of the essential oil of the underground organs of *Valeriana* spp. from different countries

Raal, Ain; Kokitko, Valeriia; Odyntsova, Vira; **Orav, Anne**; Koshoyi, Oleh *Phyton-International Journal of Experimental Botany* 2024 / p. 1365 - 1382 <https://doi.org/10.32604/phyton.2024.053754> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative chemical composition of the essential oil of *Mentha x piperita* L. from various geographical sources

Orav, Anne; Raal, Ain; Arak, Elmar *Proceedings of the Estonian Academy of Sciences. Chemistry* 2004 / 4, p. 174-181 : ill

Comparative chemical composition of the essential oil of *Thymus vulgaris* L. from different geographical sources

Raal, Ain; Arak, Elmar; **Orav, Anne** *Herba Polonica* 2005 / 1/2, p. 10-17

Comparison of essential oil content and composition of wild majoram and wild thyme growing in Estonia with thyme herb

Paaver, Urve; Raal, Ain; Arak, Elmar; Pudersell, K.; **Orav, Anne**; Ivask, Kaia *Pharmacy and Pharmaceutical Sciences World Congress : FIP 2002, Nice, France : abstracts 2002* / p. MAPS-P-406

Comparison of essential oil content of *Matricaria recutita* L. from different origins

Raal, Ain; Arak, Elmar; **Orav, Anne**; Ivask, Kaia *Arc pharmatica* 2003 / 1, p. 159-165

Comparison of essential oils composition from shoots, leaves and stems of the wild *Ledum palustre* from Estonia

Gretšušnikova, Tatjana; Orav, Anne; Koel, Mihkel; Järvan, Kerly NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 90

Comparison of the essential oil composition of *Acorus calamus* obtained by supercritical carbon dioxide extraction and hydrodistillation methods

Gretšušnikova, Tatjana; Koel, Mihkel; Orav, Anne 9th International Symposium on Supercritical Fluids : Arcachon, France, May 18-20 2009 / p. 301

Composition and antibacterial effect of mint flavorings in candies and food supplements

Kapp, Karmen; **Orav, Anne**; Roasto, Mati; Raal, Ain; Püssa, Tõnu; Vuorela, Heikki; Tammela, Päivi; Vuorela, Pia *Planta medica* 2020 / p. 1089–1096 <https://doi.org/10.1055/a-1158-1699> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Composition of blackcurrant aroma isolated from leaves, buds, and berries of *Ribes nigrum* L.

Orav, Anne; Kailas, Tiit; Müürisepp, Aleksander-Mati *Proceedings of the Estonian Academy of Sciences. Chemistry* 2002 / 4, p. 225-234 : ill

Composition of essential oil of aerial parts of *Chamomilla suaveolens* from Estonia

Orav, Anne; Sepp, Janne; **Kailas, Tiit; Müürisepp, Aleksander-Mati**; Arak, Elmar; Raal, Ain *Natural product communications* 2010 / 1, p. 133-136

Composition of the essential oil from *Achillea millefolium* L. from Estonia

Orav, Anne; Kailas, Tiit; Ivask, Kaia *Journal of essential oil research* 2001 / p. 290-294

Composition of the essential oil from wild majoram (*Origanum vulgare* L.ssp.vulgare) of different origins

Ivask, Kaia; Orav, Anne; Kailas, Tiit; Raal, Ain; Arak, Elmar; Paaver, Urve *Journal of essential oil research* 2005 / 4, p. 384-387

Composition of the essential oil of *Artemisia absinthium* L. of different geographical origin

Orav, Anne; Raal, Ain; Arak, Elmar; **Müürisepp, Aleksander-Mati; Kailas, Tiit** *Proceedings of the Estonian Academy of Sciences. Chemistry* 2006 / 3, p. 155-165 : ill

Composition of the essential oil of *Coriandrum sativum* L. seeds from various countries

Arak, Elmar; **Orav, Anne**; Raal, Ain *European journal of pharmaceutical sciences* 2007 / 1, Supplement 1, p. S22

Composition of the essential oil of dill, celery, and parsley from Estonia

Orav, Anne; Kailas, Tiit; Jegorova, Anna *Proceedings of the Estonian Academy of Sciences. Chemistry* 2003 / 4, p. 147-154 : ill

Composition of the essential oil of *Levisticum officinale* W.D.J. Koch from some European countries

Raal, Ain; Arak, Elmar; **Orav, Anne; Kailas, Tiit; Müürisepp, Aleksander-Mati** *Journal of essential oil research* 2008 / p. 318-322 https://www.researchgate.net/publication/254247369_Composition_of_the_Essential_Oil_of_Levisticum_officinale_WDJ_Koch_from_Some_European_Countries

Composition of the essential oil of *Origanum vulgare* L. ssp. *vulgare* from various countries

Raal, Ain; Arak, Elmar; **Orav, Anne** *Planta medica* 2007 / 9, p. 929

Composition of the essential oil of *Salvia officinalis* L. from various European countries

Raal, Ain; **Orav, Anne**; Arak, Elmar *Natural product research* 2007 / 5, p. 406-411

Composition of the essential oil of the *Rhododendron tomentosum* Harmaja from Estonia

Raal, Ain; **Orav, Anne**; Gretšušnikova, Tatjana *Natural product research* 2014 / p. 1091-1098 : tab

<https://doi.org/10.1080/14786419.2014.907287> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Composition of the oil and supercritical fluid CO₂ extract of sweet gale (*Myrica gale* L.) fruits

Sokolova, Maia; Orav, Anne; Koel, Mihkel; Kailas, Tiiu; Müürisepp, Aleksander-Mati *Journal of essential oil research* 2005 / March/April, p. 188-191 : ill <https://www.tandfonline.com/doi/abs/10.1080/10412905.2005.9698871>

Comprehensive investigation of St. John's Wort (*Hypericum perforatum*) : polyphenolic compounds, essential oils and metals

Helmja, Kati; Vaher, Merike; Orav, Anne; Viitak, Anu; Püssa, Tõnu; Kaljurand, Mihkel 14th International Symposium on Separation Science : Primosten, Croatia, 30 Sept. - 3 Oct. 2008 2008 / p. 59

Content and composition of essential oil in oregano (*Origanum vulgare*) growing in Estonia

Raal, Ain; **Orav, Anne**; Ivask, Anu; Arak, Elmar The 6th International Pharmaceutical Conference "Science and Practice 2015" : November 5-6, 2015, Kaunas, Lithuania : book of abstracts 2015 / p. 62

Content and composition of essential oils in some Asteraceae species

Raal, Ain; Kaur, Helen; **Orav, Anne**; Arak, Elmar; **Kailas, Tiiu; Müürisepp, Aleksander-Mati** *Proceedings of the Estonian Academy of Sciences* 2011 / 1, p. 55-63

Content and composition of the essential oil of *Chamomilla recutita* (L.) Rauschert from some European countries

Orav, Anne; Raal, Ain; Arak, Elmar *Natural product research* 2010 / 1, p. 48-55

Content and composition of the essential oil of *Thymus serpyllum* L. growing wild in Estonia

Raal, Ain; Paaver, Urve; Arak, Elmar; **Orav, Anne** *Medicina* 2004 / 8, p. 795-800

Content of essential oil, terpenoids and polyphenols in commercial chamomile (*Chamomilla recutita* L. Rauschert) teas from different countries

Raal, Ain; **Orav, Anne**; Püssa, Tõnu; Valner, Catri; Malmiste, Birgit; Arak, Elmar *Food chemistry* 2012 / p. 632-638 : ill <https://www.sciencedirect.com/science/article/pii/S0308814611013008>

Determination of the essential oil composition of *Acorus calamus* by capillary gas chromatography

Gretšušnikova, Tatjana; Orav, Anne 32nd International Symposium on Capillary Chromatography and 5th GC-GC Symposium : May 26-30, 2008, Riva del Garda, Italy : abstract book 2008 / p. P24

Eesti koriandri, salvei ja teekummeli eeterliku õli koostise võrdlus nende välismaiste analoogidega

Orav, Anne; Kailas, Tiiu; Jeršova, M.; Raal, Ain; Arak, Elmar XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 97

Eestis kasvava hariliku kadaka okaste ja marjade eeterliku õli koostise määramine

Orav, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 107-108

Eestis kasvava hariliku pune ja nõmm-liivatee eeterliku õli koostise võrdlus aed-liivatee eeterliku õliga

Paaver, Urve; Raal, Ain; Karjel, Krista; Arak, Elmar; **Orav, Anne; Ivask, Kaire** *Eesti Arst* 2002 / 9, lk. 577 https://artiklid.elnet.ee/record=b1037032*est

Eestis kasvava nõmm-liivatee (*Thymus serpyllum* L.) eeterliku õli sisalduse vastavus Euroopa farmakopöa nõuetele

Paaver, Urve; Raal, Ain; Arak, Elmar; Reiman, Raina; **Orav, Anne** *Eesti Arst* 2003 / 9, lk. 646 https://artiklid.elnet.ee/record=b1043765*est

Eeterliku õli sisalduse määramine tillis (*Anethum graveolens*) kapillaargaasikromatograafilisel meetodil

Gretšušnikova, Tatjana; Orav, Anne XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 26-27

Effect of storage on the essential oil composition of *Piper nigrum* L. fruits of different ripening states

Orav, Anne; Stulova, Irina; Kailas, Tiiu; Müürisepp, Aleksander-Mati *Journal of agricultural and food chemistry* 2004 / p. 2582-

Erinevate ekstraktsioonimeetodite võrdlemine ravimtaimede eeterliku õli stereoanalüüsi abil

Ivask, Kaire; Orav, Anne XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 28

Essential oil composition of *Coriandrum sativum* L. fruits from different countries

Orav, Anne; Arak, Elmar; Raal, Ain Journal of essential oil bearing plants 2011 / p. 118-123

Essential oil composition of *Foeniculum vulgare* Mill. fruits from pharmacies in different countries

Raal, Ain; **Orav, Anne;** Arak, Elmar Natural product research 2012 / p. 1173-1178

<https://www.tandfonline.com/doi/full/10.1080/14786419.2010.535154>

Essential oil composition of *Pimpinella anisum* L. fruits from various European countries

Orav, Anne; Raal, Ain; Arak, Elmar Natural product research 2008 / 3, p. 227-232

https://www.researchgate.net/publication/5586276_Essential_oil_composition_of_Pimpinella_anisum_L_fruits_from_various_European_countries

Essential oil content and composition in commercial *Achillea millefolium* L. herbs from different countries

Raal, Ain; **Orav, Anne;** Arak, Elmar Journal of essential oil bearing plants 2012 / p. 22-31

https://www.academia.edu/56949794/Essential_Oil_Content_and_Composition_in_Commercial_Achillea_millefolium_L_Herbs_from_Different_Countries

Essential oil content and composition in *Tanacetum vulgare* L. herbs growing wild in Estonia

Raal, Ain; **Orav, Anne;** Gretšušnikova, Tatjana Journal of essential oil bearing plants 2014 / p. 670-675 : tab

<https://doi.org/10.1080/0972060X.2014.958554> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Essential oil in *Betula* spp. leaves naturally growing in Estonia

Orav, Anne; Arak, Elmar; Boikova, Tatjana; Raal, Ain Biochemical systematics and ecology 2011 / p. 744-748

Identification and characterization of supercritical fluid extracts from herbs

Menaker, Anna; Kravets, Marina; Koel, Mihkel; Orav, Anne Comptes rendus chimie 2004 / p. 629-633 : ill

Identification of bioactive compounds in leaves and stems of *Aegopodium podagraria* by various analytical technics

Orav, Anne; Viitak, Anu; Helmja, Kati; Vaher, Merike NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 144

Identification of bioactive compounds in the leaves and stems of *Aegopodium podagraria* by various analytical techniques

Orav, Anne; Viitak, Anu; Vaher, Merike Procedia chemistry 2010 / p. 152-160 : ill

Identification of biologically active compounds of plant origin

Menert, Anne; Lõugas, Tiina; Vokk, Raivo; Orav, Anne Flavour 2000 : perception, release, evaluation, formation, acceptance, nutrition/health : proceedings of the 6th Wartburg Aroma Symposium, Eisenach, April 10-13, 2000 2001 / [1] p

Identification of terpenes by gas chromatography - mass spectrometry

Orav, Anne Current practice of gas chromatography - mass spectrometry 2001 / p. 483-493

Koirohu (*Artemisia absinthium* L.) eeterliku õli koostis

Orav, Anne; Raal, Ain; Arak, Elmar; **Kailas, Tiit** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 75-76

Mint flavorings from candies inhibit the infectivity of *Chlamydia pneumoniae*

Hanski, Leena L.; Kapp, Karmen; Tirola, Terttu M.; **Orav, Anne;** Vuorela, Heikki; Püssa, Tõnu; Vuorela, Pia Natural Product Communications 2016 / p. 1725 - 1728 <https://doi.org/10.1177/1934578x1601101125> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Musta, punase, rohelse ja valge tee aroomide eraldamine ja uurimine

Gorbatšova, Jelena; **Orav, Anne** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 13-14

Phytochemical analysis of the essential oil of *Achillea millefolium* L. from various European countries

Orav, Anne; Arak, Elmar; Raal, Ain Natural product research 2006 / 12, p. 1082-1088

Phytochemical analysis of the essential oil of *Thymus serpyllum* L. growing wild in Estonia

Paaver, Urve; **Orav, Anne;** Arak, Elmar; Mäeorg, Uno; Raal, Ain Natural product research 2008 / 2, p. 108-115

Polyphenolic composition and antichlamydial effect of commercial peppermint (*Mentha x piperita* L.) teas

Kapp, Karmen; Hakala, Elina; Püssa, Tõnu; **Orav, Anne**; Raal, Ain; Hanski, L. *Planta medica* 2013 / p. 1224

Study of essential oil from medicinal plants using gas chromatography and mass spectrometry

Raal, Ain; Arak, Elmar; Pudersell, K.; **Orav, Anne**; **Kailas, Tiiu** *European journal of pharmaceutical sciences* 2003 / Supplement 1, XVII Helsinki University Congress of Drug Research, p. P2.1

Säilitamise mõju mõnede vürtside eeterliku õli koostisele

Stulova, Irina; **Orav, Anne** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 134

The content and composition of the essential oil found in *Carum carvi* L. commercial fruits obtained from different countries

Raal, Ain; Arak, Elmar; **Orav, Anne** *The journal of essential oil research* 2012 / p. 53-59

<https://www.tandfonline.com/doi/pdf/10.1080/10412905.2012.646016>

Variation in the composition of the essential oil of commercial *Artemisia absinthium* L. herb samples from different countries

Raal, Ain; Iina, Tetiana; Kovaleva, Alla; **Orav, Anne**; Karileet, Margit; Džaniašvili, Mariana; Koliadzhyn, Taras; Grytsyk, Andriy; Koshovyi, Oleh *ScienceRise: Pharmaceutical Science* 2024 / p. 19-28 <https://doi.org/10.15587/2519-4852.2024.302232> [Journal metrics at Scopus](#) [Article at Scopus](#)

Variation in the composition of the essential oil of commercial *Salvia officinalis* L. leaves samples from different countries

Raal, Ain; **Orav, Anne**; Iina, Tetiana; Kovalyova, Alla; Koliadzhyn, Taras; Avidzba, Yuliia; Koshovyi, Oleh *Phyton-International Journal of Experimental Botany* 2024 / p. 2051 - 2062 <https://doi.org/10.32604/phyton.2024.052790> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Variation in the composition of the essential oil of commercial *Valeriana officinalis* L. roots from different countries

Raal, Ain; Arak, Elmar; **Orav, Anne**; **Kailas, Tiiu**; **Müürisepp, Aleksander-Mati** *Journal of essential oil research* 2008 / 6, p. 524-529

https://www.researchgate.net/publication/241714499_Variation_in_the_Composition_of_the_Essential_Oil_of_Commercial_Valeriana_Officinalis_L_Roots_from_Different_Countries

Variation in the composition of the essential oil of *Valeriana officinalis* L. roots from Estonia

Raal, Ain; **Orav, Anne**; Arak, Elmar; **Kailas, Tiiu**; **Müürisepp, Aleksander-Mati** *Proceedings of the Estonian Academy of Sciences. Chemistry* 2007 / 2, p. 67-74

Variation in the composition of the essential oils, phenolic compounds and mineral elements of *Hypericum perforatum* L. growing in Estonia

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; **Orav, Anne**; Viitak, Anu; Levandi, Tuuli; Kaljurand, Mihkel *Natural product research* 2011 / p. 496-510

Yield, composition, and chemotypes of essential oils from *Origanum vulgare* L. aerial parts cultivated in different European countries

Raal, Ain; Gontova, Tetiana; Ivask, Anu; **Orav, Anne**; Koshovyi, Oleh *Agronomy* 2024 / 22 p. : ill

<https://doi.org/10.3390/agronomy14123046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Разделение фенолов методом газо-жидкостной хроматографии

Karus, A.; **Orav, Anne**; **Sepp, Helvi**; **Tanner, Jüri**; **Köstner, Ado** X студенческая научно-техническая конференция высших учебных заведений Прибалтики, Белорусской ССР и Калининградской области : аннотации научных работ 1964 / с. 169-170

https://www.ester.ee/record=b1749611*est <http://www.digar.ee/id/nlib-digar:376945>