

**Anharmonic vibrational spectrum and experimental matrix isolation study of thioformic acid conformers-potential candidates for molecular cloud and solar system observations?**

Lignell, A.; **Osadchuk, Irina**; Rasanen, M.; Lundell, J. The astrophysical journal 2021 / 7 p. : ill <https://doi.org/10.3847/1538-4357/ac06d0>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Appi - kiirgus! : [intervjuu Hiie Hinrikusega]**

**Hinrikus, Hiie**; Lill, Anne Linnaleht : TTÜ 2004 / 3. det., lk. 7 : fot

**Central nervous system lymphoma and radiofrequency radiation – A case report and incidence data in the Swedish Cancer Register on non-Hodgkin lymphoma**

Hardell, Lennart; Carlberg, Michael; **Koppel, Tarmo** Medical hypotheses 2020 / art. 110052, 6 p. : ill  
<https://doi.org/10.1016/j.mehy.2020.110052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The CMS fast beam condition monitor for HL-LHC**

Auzinger, G.; Bakhshiansohi, H.; Dabrowski, A.; Delannoy, A.G.; Dierlamm, A.; Dragicevic, M.; Gholami, A.; Gomez, G.; Jenihhin, Maksim; **Shibin, Konstantin** Journal of instrumentation 2024 / art. C03048, 10 p. : ill <https://doi.org/10.1088/1748-0221/19/03/C03048>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

**Color change of wood species under light radiation**

**Rohumaa, Anti**; **Süld, Tiia-Maaja**; **Kaps, Tiit** Stambiamolekuli junginiu chemija ir technologija = Polymer chemistry and technology : tarptautines konferencijos pranešimu medžiaga 1998 / p. 82-88: ill

**Compounding radiopharmaceuticals: any regulatory difference with extemporaneous preparation?**

**Titma, Tiina**; Nazarenko, Sergei International Symposium on Trends in Radiopharmaceuticals, 28 October – 1 November 2019, Vienna, Austria : Programme & Abstracts 2019 / p. 94  
<https://media.superevent.com/documents/20191027/d11acc994711668f9d098243c37efdb8/istr-2019-programme-and-abstracts.pdf>

**Corrigendum to "Generation and development of damages in double forged tungsten in different regimes of irradiation with extreme heat loads" [J. Nucl. Mater. 495 (2017) 91-102]**

Paju, Jana; Väli, Berit; Laas, Tõnu; **Shirokova, Veroonika**; **Antonov, Maksim** Journal of nuclear materials 2018 / p. 323-324 : tab  
<https://doi.org/10.1016/j.jnucmat.2018.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Dependence of the carrier removal rate in 4H-SiC PN structures on irradiation temperature**

Lebedev, Alexander A.; Davydovskaya, Klavdia S.; Kozlovski, Vitali V.; **Korolkov, Oleg**; **Sleptsuk, Natalja**; **Toompuu, Jana** Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018, Birmingham, UK 2019 / p. 730-733 <https://doi.org/10.4028/www.scientific.net/MSF.963.730> [Conference proceeding at Scopus](#) [Article at Scopus](#)

**Efficiency estimation for a broadband 7 THz radiation source with GaAs/AlGaAs parabolic quantum wells**

**Reeder, Reeno**; Ikonic, Zoran; Harrison, Paul; **Udal, Andres**; **Velme, Enn** The proceedings of the Ninth International Conference on Intersubband Transitions in Quantum Wells : Ambleside, Cumbria, U.K., 9-14th September 2007 2007 / p. P67-2 : ill  
[https://www.academia.edu/63544688/Efficiency\\_Estimation\\_for\\_a\\_Broadband\\_7\\_THz\\_Radiation\\_Source\\_with\\_GaAs\\_AlGaAs\\_Parabolic\\_Quantum\\_Wells](https://www.academia.edu/63544688/Efficiency_Estimation_for_a_Broadband_7_THz_Radiation_Source_with_GaAs_AlGaAs_Parabolic_Quantum_Wells)

**Electronics design and testing of the CMS Fast Beam Condition Monitor for HL-LHC**

**Shibin, Konstantin**; Auzinger, Georg; Bakhshiansohi, Hamed; Dabrowski, Anne; Dierlamm, Alexander; Dragicevic, Marko; Gholami, Asghar; Gomez, Gervasio; Guthoff, Moritz; Haranko, Mykyta; Honma, Alan; **Jenihhin, Maksim** Journal of physics : conference series 2023 / p. 50-51 <https://doi.org/10.48550/arXiv.2410.14867>

**Elektriinsener Jüri Laurson: elektromagnetvälja mõjude üle tasub arutleda**

Laurson, Jüri maaleht.ee 2023 [Elektriinsener Jüri Laurson: elektromagnetvälja mõjude üle tasub arutleda](#)

**Experimental determination of acoustic reflection coefficient of duct openings in simulated hot conditions [Electronic resource]**

**Rämmal, Hans**; **Lavrentjev, Jüri** Proceedings of 33-th International Congress and Exposition on Noise Control Engineering : INTERNOISE2005 : 07-10 August 2005, Rio de Janeiro, Brazil 2005 / ? p. [CD-ROM]  
<https://www.ingentaconnect.com/contentone/ince/incecp/2005/00002005/00000007/art00035>

**Fototundliku indiumantimoniidi p-n siirete optimaalse konstruktsiooni arvutamine**

**Buldakov, O.**; **Gavrilov, Aleksei** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 71 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

**Generation and development of damage in double forged tungsten in different combined regimes of irradiation with extreme heat loads**

Paju, Jana; Väli, Berit; Laas, Tõnu; **Shirokova, Veroonika**; **Antonov, Maksim** Journal of nuclear materials 2017 / p. 91-102 : ill

**Juhised radoonikaitse meetmete kasutamiseks uutes ja olemasolevates hoonetes = Guidance for radon-protective measures for new and existing buildings [Võrguteavik]**

2017 [http://www.ester.ee/record=b4671261\\*est](http://www.ester.ee/record=b4671261*est)

**Keegi ei tea, kui kahjulik on mobiiltelefon : [TTÜ biomeditsiinitehnika keskkuses tehtud katsete tulemusi tutvustab Hiie Hinrikus]**

Hinrikus, Hiie; Naulainen, Anti SL Õhtuleht 2001 / 19. jaan., lk. 10

**Kiirgus infokandjana universumist rakuni**

Hinrikus, Hiie Insenerikultuur Eestis. 3 1997 / lk. 35-42 [https://www.ester.ee/record=b1063622\\*est](https://www.ester.ee/record=b1063622*est)

**Kiirgussoojusülekanne teooria edendaja Ilmar Mikk**

Lausmaa, Toomas Tallinna Tehnikaülikooli aastaraamat 2005 2006 / lk. 407-412

**Metallide kiirgusomaduste uurimine kuumutusprotsessi vältel**

Ševtšuk, N.; Viilmann, Ilmar XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 114-115 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

**Microwave effect on diffusion: A possible mechanism for non-thermal effect**

Hinrikus, Hiie; Lass, Jaanus; Karai, Denis; Pilt, Kristjan; Bachmann, Maie Electromagnetic Biology and Medicine 2015 / p. 327 - 333 <https://doi.org/10.3109/15368378.2014.921195> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Microwave radiation has modulation frequency dependent stimulating effect on human EEG rhythms**

Lass, Jaanus; Hinrikus, Hiie; Bachmann, Maie; Tuulik, Viiv Proceedings of the 26th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : San Francisco, CA, USA, September 1-5, 2004. Vol. 2 2004 / p. 4225-4228 : ill <https://pubmed.ncbi.nlm.nih.gov/17271236/>

**Mobiili kiirgus rikub tervist, kuid ka vähirakku : [vestlus Hiie Hinrikusega]**

Hinrikus, Hiie; Alasoo, Annika Postimees 1999 / 14. juuni, lk. 5

**Mobiilikiirgus mõjutab enim lapsi : [ka TTÜ biomeditsiinitehnika keskuse vanemteaduri H.Hinrikuse kommentaariga mobiilikiirguse uurimisest TTÜs]**

Tihhonov, Marek; Hinrikus, Hiie Postimees 2005 / 27. aug., lk. 17

**Modeling of photon recycling in GaN-devices**

Velmre, Enn; Udál, Andres; Klopov, Mihhail 5th European Conference on Silicon Carbide and Related Materials : book of abstracts : 31 August-4 September 2004, Bologna, Italy 2004 / p. 317-318 [https://www.researchgate.net/publication/250344144\\_Modeling\\_of\\_Photon\\_Recycling\\_in\\_GaN-Devices](https://www.researchgate.net/publication/250344144_Modeling_of_Photon_Recycling_in_GaN-Devices)

**Modeling the reflection effect in precataclysmic binary systems**

Pustönski, Vladislav-Venjamin 2007 [https://www.ester.ee/record=b2287715\\*est](https://www.ester.ee/record=b2287715*est)

**Modulated low-level electromagnetic field effects on EEG visual event-related potentials**

Lass, Jaanus; Kruusing, Kristjan; Hinrikus, Hiie Estonian journal of engineering 2008 / p. 124-137 : ill [https://artiklid.elnet.ee/record=b1022240\\*est](https://artiklid.elnet.ee/record=b1022240*est)

**Non-ionising radiation effects on brain electrical activity**

Hinrikus, Hiie; Lass, Jaanus; Meigas, Kalju; Riipulk, Jevgeni; Tuulik, Viiv Physica medica 1999 / 3, p. 214

**Non-thermal effect of microwave radiation on human brain**

Hinrikus, Hiie; Bachmann, Maie; Tomson, Ruth; Lass, Jaanus The environmentalist 2005 / 2/4, p. 187-194 [https://www.researchgate.net/publication/227317313\\_Non-Thermal\\_Effect\\_of\\_Microwave\\_Radiation\\_on\\_Human\\_Brain](https://www.researchgate.net/publication/227317313_Non-Thermal_Effect_of_Microwave_Radiation_on_Human_Brain)

**On the conditions for definiteness of energy and charge**

Loide, Rein-Karl; Kõiv, Madis Journal of physics. A. Mathematical and general 1983 / p. 2353-2361 [https://www.ester.ee/record=b2318274\\*est](https://www.ester.ee/record=b2318274*est) <https://iopscience.iop.org/article/10.1088/0305-4470/16/11/009/pdf>

**Optoelectronic surface emitters of terahertz radiation from copper chalcogenides**

Adomavicius, Ramunas; Krotkus, Arunas; Šustaviciute, R.; Molis, Gediminas; Kois, Julia; Bereznev, Sergei; Mellikov, Enn; Gashin, P. Electronics letters 2007 / 25, p. 1458-1459 <https://doi.org/10.1049/el:20072035>

**Predictable quantum efficient detector. II, Characterization and confirmed responsivity**

Müller, Ingmar; Johannsen, Uwe; Linke, Ulrike; Socaciu-Siebert, Liana; Smid, Marek; Porrovecchio, Geiland; Sildoja, Meelis;

Manoocheri, Farshid; Ikonen, Erkki; Gran, Jarle; **Kübarsepp, Toomas**; Brida, Giorgio; Werner, Lutz Metrologia 2013 / p. 395-401 : ill <https://doi.org/10.1088/0026-1394/50/4/395> <https://www.scilit.com/publications/aacc372397c67cffa0451e026894282f> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Radiofrequency radiation at Stockholm Central Railway Station in Sweden and some medical aspects on public exposure to RF fields**

Hardell, Lennart; **Koppel, Tarmo**; Carlberg, Michael; Ahonen, Mikko; Hedendahl, Lena International journal of oncology 2016 / p. 1315-1324 : ill <https://doi.org/10.3892/ijo.2016.3657> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Reducing exposure to radiofrequency electromagnetic fields from wireless networking with laptop computers [Electronic resource]**

**Koppel, Tarmo**; Ahonen, Mikko; Vilcane, Inese SCEE 2014 : Scientific Conference on Economics and Entrepreneurship : 55th International Riga Technical University conference : Latvia, Riga, 14-17 October 2014 / [2] p. [CD-ROM]

**A review on the application of machine learning in gamma spectroscopy : challenges and opportunities**

**Zehtabvar, Mehrnaz**; Taghandiki, Kazem; Madani, Nahid; Sardari, Dariush; **Bashiri, Bashir** Spectroscopy journal 2024 / p. 123-144 <https://doi.org/10.3390/spectroscj2030008>

**System-level condition monitoring approach for fault detection in photovoltaic systems**

**Zahraoui, Younes; Alhamrouni, Ibrahim**; Hayes, Barry P.; Mekhilef, Saad; Korötko, Tarmo Fault analysis and its impact on grid-connected photovoltaic systems performance 2022 <https://doi.org/10.1002/9781119873785.ch7>

**Tagi kiirgusomaduste uurimine**

**Varusk, I.; Tiikma, Toomas** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 72 [https://www.ester.ee/record=b2449987\\*est](https://www.ester.ee/record=b2449987*est)

**Terahertz radiation from nonstoichiometric CuInSe<sub>2</sub> films excited by femtosecond laser pulses**

Adomavicius, Ramunas; Krotkus, Arunas; **Kois, Julia; Bereznev, Sergei; Mellikov, Enn** Applied physics letters 2005 / 19, [3] p <https://doi.org/10.1063/1.2126796>

**The effect of UV-C radiation on the durability of 3D printed plastic parts in disinfectant devices**

**Tähemaa, Toivo; Sarkans, Martinš; Sarand, Inga; Pohlak, Meelis; Niidas, Aadu; Saarna, Mart** IOP conference series : materials science and engineering 2021 / art. 012046, 6 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012046>

**The optimization, design and performance of the FBCM23 ASIC for the upgraded CMS beam monitoring system**

Kaplon, Jan; Wegrzyn, Grzegorz; **Shibin, Konstantin**; Barendregt, Marnix Journal of instrumentation 2024 / art. C02026, 6 p. : ill <https://doi.org/10.1088/1748-0221/19/02/C02026> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

**The structure of radiative and non-radiative recombination centres in activated CdS phosphors**

**Kukk, Peeter-Enn; Erm, Ants** Physica status solidi. A, Applied research 1981 / p. 395-406 : ill [https://www.ester.ee/record=b1562026\\*est](https://www.ester.ee/record=b1562026*est)

**Varkja ilmaradar tooks kaasa pöördumatu tervisekahju**

Kukkela, Anti saartehaal.postimees.ee 2024 [Varkja ilmaradar tooks kaasa pöördumatu tervisekahju](#)

**Анализ статистических характеристик рассеянного светового поля и синтез на этой основе структурных моделей систем лазерной диагностики среды**

**Veldžanov, I.I.; Zentsenko, S.A.; Malevitš, I.A.; Pranovitš, V.I.** Исследования по прикладной квантовой электронике 1989 / с. 30-41

**Влияние УФ-облучения на озонирование водных растворов органических соединений и сточных вод**

**Preis, Sergei; Veresinina, E.; Siirde, Enno; Munter, Rein** Журнал прикладной химии 1988 / с. 555-559 : илл [https://www.ester.ee/record=b1182398\\*est](https://www.ester.ee/record=b1182398*est)

**Излучение акустических волн некруговой цилиндрической оболочкой в жидкости**

**Ross, Urmas; Lahe, Andres** Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1990 / 1, lk. 40-45: ill

**Измерение интенсивности излучения факела радиометрами нестационарного теплового режима**

**Õpik, Ilmar; Ots, Arvo** Eesti NSV Teaduste Akadeemia toimetised. Füüsika, matemaatika ja tehnikateaduste seeria = Известия Академии наук Эстонской ССР. Серия физико-математических и технических наук 1963 / lk. 75-80 [https://www.ester.ee/record=b1264320\\*est](https://www.ester.ee/record=b1264320*est)

**Исследование связи "краевого" излучения с собственными дефектами в ZnSe, CdS и CdSe**

**Varvas, Jüri; Kallavus, Urve; Nirk, Tiit** Тезисы XXIII Всесоюзной конференции по люминесценции 1976 / с. 136 [https://www.ester.ee/record=b3798280\\*est](https://www.ester.ee/record=b3798280*est)

#### **Исследование характера излучения факела в НРЧ топки котла П-57**

**Suurkuusk, Tõnu; Viilmann, Ilmar** Исследование работы парогенераторов электростанций 1985 / с. 65-71 : ил  
[https://www.ester.ee/record=b1527391\\*est](https://www.ester.ee/record=b1527391*est) <https://digikogu.taltech.ee/et/Item/57b6f500-5c0b-4994-bccf-6564fa8a9ab1>

#### **К расчету неизотермического объемного излучения**

**Mikk, Ilmar** Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1973 / lk. 296-303  
[https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

#### **Концентрационное уширение полос краевого излучения сульфида кадмия**

**Krustok, Jüri; Piibe, Toomas** Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 22-28

#### **Лазерный отжиг радиационных дефектов в некогерентных полупроводниковых источниках излучения**

**Manak, I.S.; Ljutov, A.V.** Исследования по прикладной квантовой электронике 1983 / с. 49-54 : ил  
[https://www.ester.ee/record=b1271959\\*est](https://www.ester.ee/record=b1271959*est) <https://digikogu.taltech.ee/et/Item/a565466d-098c-472e-b687-7647aea327b0>

#### **Низкотемпературная радиационно-стимулированная диффузия в технологии полупроводниковых приборов**

**Шишнян, Сергей; Шонтя, Виктор П.** 35 научная конференция студентов втузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция математики [и др.] 1991 / с. 31-34: ил

#### **Низкотемпературный отжиг слабелегированных слоев n-4H-SiC после облучения быстрыми электронами**

**Korolkov, Oleg; Kozlovski, Vitali; Lebedev, Alexander; Sleptšuk, Natalja; Toompuu, Jana; Rang, Toomas** Физика и техника полупроводников 2019 / с. 991-994 <https://doi.org/10.21883/FTP.2019.07.47879.9089>

#### **О влиянии параметров предкатаклизмических двойных систем на их кривые блеска**

**Pustõnski, Vladislav-Veniamin; Pustõlnik, Izold** Ученые записки Казанского университета : физико-математические науки 2011 / [с. 126-131 : ил]

#### **О влиянии химического состава золотых отложений на их радиационные свойства**

**Mikk, Ilmar; Paist, Aadu; Tiikma, Toomas** Влияние минеральной части энергетических топлив на условия работы парогенераторов : тезисы докладов III Всесоюзной конференции. Секция 3., Теплообмен в условиях загрязнения поверхностей нагрева золотыми отложениями и теплофизические свойства отложений 1980 / с. 36-40  
[https://www.ester.ee/record=b1267039\\*est](https://www.ester.ee/record=b1267039*est)

#### **О некоторых радиационных характеристиках среды в газоходе парогенератора МГД-электростанции**

**Mikk, Ilmar; Viilmann, Ilmar; Tiikma, Toomas** Исследование работы парогенераторов электростанций 1984 / с. 69-75 : ил  
[https://www.ester.ee/record=b1527381\\*est](https://www.ester.ee/record=b1527381*est) <https://digikogu.taltech.ee/et/Item/31d56eae-6e5d-428d-9fbf-f496480ae899>

#### **Отжиг радиационных дефектов постоянным током в GaAs-излучателях**

**Manak, I.S.; Melnitšenko, V.V.** Исследования по прикладной квантовой электронике 1983 / с. 23-36 : ил  
[https://www.ester.ee/record=b1271959\\*est](https://www.ester.ee/record=b1271959*est) <https://digikogu.taltech.ee/et/Item/a565466d-098c-472e-b687-7647aea327b0>

#### **Поглощение СВЧ-излучения в примесном сульфиде кадмия**

**Palmre, Õie; Mellikov, Enn; Hiie, Jaan; Tuvike, Tiit; Klepikova, N.V.** Физическая химия соединений AIIIVI 1984 / с. 59-65 : ил  
[https://www.ester.ee/record=b1314940\\*est](https://www.ester.ee/record=b1314940*est) <https://digikogu.taltech.ee/et/Item/b5a40c2b-483d-4f6f-a3dd-9b72e498c226>

#### **Порошкообразные соединения A2B6 как детекторы излучения**

**Vallaste, Heikki; Tuvike, Tiit; Palmre, Õie** Плазма и неустойчивости в полупроводниках : VI всесоюзный симпозиум, 24-26 сентября 1986 г., Вильно : тезисы докладов 1986 / с. 80-81 [https://www.ester.ee/record=b2292061\\*est](https://www.ester.ee/record=b2292061*est)

#### **Применение совмещенного режима работы лазера для измерения спектра его излучения**

**Zahharov, Boriss; Meigas, Kalju; Hinrikus, Hiie** Тезисы докладов III Всесоюзной конференции "Применение лазеров в технологии и системах передачи и обработки информации", 11-13 ноября 1987 г. 3, Лазерные системы передачи и обработки информации 1987 / с. 18 [https://www.ester.ee/record=b1273195\\*est](https://www.ester.ee/record=b1273195*est)

#### **Радиационные характеристики золотых отложений на топочных экранах котла при сжигании антрацитового штыба**

**Poobus, Arvi; Tiikma, Toomas** Исследование работы парогенераторов электростанций 1984 / с. 59-67 : ил  
[https://www.ester.ee/record=b1527381\\*est](https://www.ester.ee/record=b1527381*est) <https://digikogu.taltech.ee/et/Item/31d56eae-6e5d-428d-9fbf-f496480ae899>

#### **Расчет коэффициента переноса неосновных носителей заряда в условиях перепоглощения межзонного рекомбинационного излучения**

**Velme, Enn** Полупроводниковые гетеропереходы : тезисы докладов II республиканской конференции, Эльва, 24-26 ноября 1982 г 1982 / с. 25 [https://www.ester.ee/record=b1304403\\*est](https://www.ester.ee/record=b1304403*est)

**Создание радиационных дефектов и люминесценция в галогенсодержащих каркасных алюмосиликатах :**  
**автореферат ... кандидата физико-математических наук (01.04.07)**

**Ruus, Tõnu** 1987 [https://www.ester.ee/record=b1349120\\*est](https://www.ester.ee/record=b1349120*est)

**Таблицы коэффициентов для вычисления лучистых потоков собственного излучения неизотермического объема**

**Vares, Villu; Mikk, Ilmar; Tiikma, Toomas** Теплоэнергетика : сборник статей. 15 1976 / с. 31-44 : ил

[https://www.ester.ee/record=b2190745\\*est](https://www.ester.ee/record=b2190745*est) <https://digikogu.taltech.ee/et/Item/d869210f-7c07-4892-a311-44b646f3310e>