

A testing procedure for a transferred electron device homodyne self-oscillating mixer

Krassavin, J. Tallinna Tehnikaülikooli Toimetised 1994 / lk. 89-101: ill

Aerated concrete microwave reflection and transmission properties in a wet environment

Koppel, Tarmo; Vilcane, Inese; Mironovs, Viktors; Shishkin, Andrei; Rubene, Sanita; **Tint, Piia** Vide. Tehnologija. Resursi : XI starptautiskas zinatniski praktiskas konferences materiali 2017. gada 15.-17. junijs. 3. sejums = Environment. Technology. Resources : proceedings of the 11th International Scientific and Practical Conference. Volume III 2017 / p. 145-149 : ill
<https://doi.org/10.17770/etr2017vol3.2619>

Amination of quinolones with morpholine derivatives

Lippur, Kristin; **Tiirik, Tõnis**; **Kudrjašova, Marina**; **Järving, Ivar**; **Lopp, Margus**; **Kanger, Tõnis** Tetrahedron 2012 / p. 9550-9555 : ill <https://www.sciencedirect.com/science/article/pii/S004040201201472X>

Bidirectional Mo4/3CTx MXene/graphene aerogels for tailored microwave absorption

Shamshirgar, Ali Saffar; Qin, Leiqiang; **Rojas Hernandez, Rocio Estefania**; Halim, Joseph; Fernandez, Jose F.; **Hussainova, Irina**; Rosen, Johanna ACS Applied Nano Materials 2025 / p. 1978–1990 <https://doi.org/10.1021/acsanm.4c06555>

Calculation of microwave radiometric signal in multilayered biological tissue

Hinrikus, Hiie; **Krasavin, Jevgeni**; Beilenhoff, Klaus; Hartnagel, Hans 1995 IEEE Engineering in Medicine and Biology 17th Annual Conference and 21st Canadian Medical and Biological Engineering Conference. Volume Two. Montreal, Canada, September 20-23, 1995 1997 / 1583-1584

Calculation of microwave radiometric signals in a lossy biological tissue

Hinrikus, Hiie Tallinna Tehnikaülikooli Toimetised 1994 / lk. 68-81: ill

Comparison of photic and microwave simulation effects on EEG

Hinrikus, Hiie; **Parts, Maie**; **Lass, Jaanus**; **Tuulik, Viu** Biological Effects of EMFs : 2nd International Workshop, Rhodes, Greece, 7-11 October 2002 : proceedings. Volume I 2002 / p. 482-489 : ill

Data-driven approaches based microwave filter tuning - a review

Sekhri, Even; **Tamre, Mart**; Kapoor, Rajiv Advances in Artificial-Business Analytics and Quantum Machine Learning : Select Proceedings of the 3rd International Conference, Com-IT-Con 2023, Volume 2 2024 / p. 273-286 https://doi.org/10.1007/978-981-97-4860-0_22 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Deep reinforcement learning for automated tuning of cavity filters

Sekhri, Even; **Tamre, Mart**; Kapoor, Rajiv Proceedings of IEEE Forum International Conference 2019 / p. 53
http://www.digitalxplore.org/up_proc/pdf/408-154943387153.pdf

Design of microwave radiometer for early detection of cancer

Riipulk, Jevgeni; **Hinrikus, Hiie**; **Põdra, Harri** Physica medica 1997 / 1, p. 1-2: ill

Double deep Q-Learning approach for tuning microwave cavity filters using locally linear embedding technique

Sekhri, Even; Kapoor, Rajiv; **Tamre, Mart** 2020 International Conference Mechatronic Systems and Materials (MSM) 2020 / 6 p. : ill
<https://doi.org/10.1109/MSM49833.2020.9202393>

Electromagnetic shielding properties of ceramic spheres coated with paramagnetic metal

Koppel, Tarmo; Shishkin, A.; **Hussainova, Irina**; Haldre, Heldur; **Tint, Piia** Agronomy research 2016 / p. 1015-1022 : ill
http://ise.elnet.ee/record=b2891940~S1*est [Journal metrics at Scopus](#) [Article at Scopus](#)

Evaluation of high performance aluminum for microwave filters

Martin-Iglesias, P.; **Raadik, Taavi**; Teberio, F.; Percasz, J.M.; Martin-Iglesias, S.; Pambaguian, L.; Arregui, I.; Laso, M.A.G. 2019 IEEE MTT-S International Microwave Symposium (IMS), Boston, Massachusetts, 2-7 June 2019 : proceedings 2019 / p. 1183-1186
<https://doi.org/10.1109/MWSYM.2019.8700938> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Fractal dimension analysis of the effects of photic and microwave stimulation on the brain function [Electronic resource]

Lipping, Tarmo; Olejarczyk, E.; **Parts, Maie** Proceedings of World Congress on Medical Physics and Biomedical Engineering : Sidney, Australia, 2003 2003 / [4] p. [CD-ROM]

Fully automated tuning of microwave coaxial cavity filters = Mikrolaine-koaksiaalfiltrite täisautomaatne häälestamine

Sekhri, Even 2024 <https://www.ester.ee/record=b5685094~est> <https://digikogu.taltech.ee/et/Item/38784e65-568e-4dd9-aef9-bb5eec5a2a9c>
<https://doi.org/10.23658/taltech.20/2024>

Interpretation of radio metric signal for tumour detection

Riipulk, Jevgeni; **Hinrikus, Hiie** 19th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Oct. 30 - Nov. 2, 1997, Chicago IL USA : Magnificent Milestones and Emerging Opportunities in Medical Engineering : final program & abstract book 1997 / p. 165 <https://ieeexplore.ieee.org/abstract/document/756838>

Low level microwave interaction with nervous system

Hinrikus, Hiie; Riipulk, Jevgeni; Tuulik, Viuu Physica medica 1996 / 3, p. 162

Low-level microwave effects on EEG

Hinrikus, Hiie; Lass, Jaanus; Tuulik, Viuu Medical physics 2000 / 6, [CD-ROM], Digest of Papers of the 2000 World Congress on Medical Physics and Biomedical Engineering and [...] : Chicago 2000 : July 23-28, 2000, Chicago's Navy Pier, [4] p. : ill

Low-level microwave effects on nervous system

Hinrikus, Hiie; Lass, Jaanus; Meigas, Kalju; Tuulik, Viuu Biological Effects of EMFs : Heraklio, Crete, Greece 17-20 October, 2000 : proceedings 2000 / p. 320-329 : ill

Low-level microwave field effects on living systems

Hinrikus, Hiie Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 45-49

Low-level modulated microwave effect on EEG alpha-wave

Parts, Maie; Lass, Jaanus; Tuulik, Viuu; Hinrikus, Hiie Biological Effects of EMFs : 2nd International Workshop, Rhodes, Greece, 7-11 October 2002 : proceedings. Volume I 2002 / p. 490-494 : ill

Microwave antenna of thermal radiometer for medical diagnostics

Hinrikus, Hiie IX Nordic Meeting on Medical and Biological Engineering, Lund, Sweden, June 13-16, 1993 1993

Microwave assisted synthesis of CuInSe₂ nanopowder

Gertsin, A.; Muradova, Galina; Shoka, A.; Kim, Dongsoo; **Bereznev, Sergei**; Tverjanovich, Andrey; **Kois, Julia; Öpik, Andres**; Tveryanovich, Yuri S. Hybrid and Organic Photovoltaic Conference (HOPV09) : 10-13 May 2009, Benidorm, Spain : book of abstracts 2009 / p. 79

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 pyrolysis of cattle manure : initiation mechanism and product characteristics

Tabakaev, Roman; Kalinich, Ivan; Mostovshchikov, Andrei; Dimitryuk, Igor; Asilbekov, Askar; Ibraeva, Kanipa; Gaidabrus, Mariya; Shanenkov, Ivan; Rudmin, Maxim; Yazykov, Nikolay; **Preis, Sergei** Biomass Conversion and Biorefinery 2024 / p. 26193-26204 <https://doi.org/10.1007/s13399-023-04686-9> [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, Viuu 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/>

Mikrolaine- ja optiline tehnika : loengumaterjalid biomeditsiinitehnika ja meditsiinifüüsika magistriõppe üliõpilastele

2012 http://www.eester.ee/record=b2860846*est

Mikrolaine radiomeeter : [vestlus H.Hinrikusega]

Hinrikus, Hiie; Üts, Juta Terviseleht 1998 / 30. sept., lk. 7: ill

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

Modulated microwave effects on EEG

Lass, Jaanus; Parts, Maie; Tuulik, Viuu; Hinrikus, Hiie Proceedings of the EBEA 2001 : 5th International Congress of the European BioElectromagnetics Association : 6-8 September 2001, Helsinki, Finland 2001 / p. 289-291

Modulated microwave effects on EEG alpha-waves

Lass, Jaanus; Tuulik, Viuu; Hinrikus, Hiie Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 105-108: ill

Modulated microwave effects on the nervous system

Hinrikus, Hiie; Riipulk, Jevgeni Medical & biological engineering & computing : journal of the International Federation for Medical & Biological Engineering. Part 2, Proceedings of the 1st International Conference on Bioelectromagnetism 1996 / p. 129-130 https://www.eester.ee/record=b1292531*est

Mugav elu mikrolainetes : [küsimustele vastab Hiie Hinrikus]

Ende, Üllar; **Hinrikus, Hiie** Kodutohter 2005 / 3, lk. 20-23 : fot https://artiklid.elnet.ee/record=b2038434*est

Multiphysic Analysis of High Power Microwave Filter Using High Performance Aluminium Alloy

Martin-Iglesias, P.; Laso, M.A.G.; **Raadik, Taavi**; Teberio, F.; Percaz, J.M.; Martin-Iglesias, S.; Pambaguian, L.; Lopetegui, T. 2019 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications, July 16-18, 2019 Bochum, Germany : proceedings 2019 / p 58-60 <https://doi.org/10.1109/IMWS-AMP.2019.8880080>

Non-linear analysis of the electro-encephalogram for detecting effects of low-level electromagnetic fields

Bachmann, Maie; Kalda, Jaan; Lass, Jaanus; Tuulik, Viuu; Säkki, Maksim; **Hinrikus, Hiie** Medical & biological engineering & computing 2005 / 1, p. 142-149 : ill <https://link.springer.com/article/10.1007/BF02345136>

A novel real-time parametric tracking approach for robust microwave filter tuning

Sekhri, Even; Tamre, Mart; Kapoor, Rajiv; **Kumar, Rahul**, 1993- 2023 IEEE International Conference on Artificial Intelligence, Blockchain, and Internet of Things (AIBThings) 2023 / 5 p. : ill <https://doi.org/10.1109/AIBThings58340.2023.10292473>

Ohtlik või ohutu? : [mikrolainekiirguse mõju] kommenteerib Hiie Hinrikus

Hinrikus, Hiie Marie Claire 2010 / 3, lk. 63

Optimal Q-learning approach for tuning the cavity filters

Sekhri, Even; Tamre, Mart; Kapoor, Rajiv 2019 20th International Conference on Research and Education in Mechatronics (REM) : [proceedings] 2019 / 5 p. : ill <https://doi.org/10.1109/REM.2019.8744118>

Performance and optimization of Gunn self-oscillating mixer

Krasavin, Jevgeni; Hinrikus, Hiie IEEE microwave and guided wave letters 1995 / 6, p. 177-179: ill

Power spectrum distinguishes the effect of microwave stimulation on human EEG at rest

Bachmann, Maie; Kalda, Jaan; Lass, Jaanus; Tuulik, Viuu; Hinrikus, Hiie Biological Effects of EMFs 3rd International Workshop : Kos, Greece, 4-8 October 2004 : proceedings. Volume 1 2004 / p. 75-80 : ill

Propagation velocity in nerve fibre exposed microwave

Hinrikus, Hiie; Lass, Jaanus; Tuulik, Viuu EBEA 2003 : 6th International Congress of the European Bioelectromagnetics Association (EBEA) : 13-15 November 2003 : Budapest, Hungary : book of abstracts 2003 / p. 218

Researching moisture content in the massive limestone walls of medieval churches with the use of microwave sensors

Kurik, Lembit The Final Research Report of the project "Sustainable Management of Historic Rural Churches in the Baltic Sea Region (SMC)" 2013 / p. 79-101 : ill

Self-modulated Gunn diode self-oscillating mixer

Krasavin, Jevgeni; Hinrikus, Hiie IEEE NTC '95 : The Microwave Systems Conference : conference proceedings 1995 / p. 61-62: ill <https://ieeexplore.ieee.org/document/522863>

Sensitivity of microwave radiometer for tissue screening

Hinrikus, Hiie; Riipulk, Jevgeni; Neemela, Tarmo; Põdra, Harri Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 3, p. 165-177: ill

Snow microwave reflection at mobile phone frequency bands

Koppel, Tarmo; Vilcane, Inese; **Tint, Piia**; Shishkin, Andrei Vide. Tehnoloogia. Resursi : XI starptautiskas zinatniski praktiskas konferences materiali 2017. gada 15.-17. junijs. 1. sejums = Environment. Technology. Resources : proceedings of the 11th International Scientific and Practical Conference, June 15-17, 2017. Volume I 2017 / p. 156-160 : ill <http://dx.doi.org/%2010.17770/etr2017vol1.2608>

Spectral asymmetry index and Higuchi's fractal dimension for detecting microwave radiation effect on electroencephalographic signal

Bachmann, Maie; Lass, Jaanus; Suhhova, Anna; Hinrikus, Hiie Proceedings of the Estonian Academy of Sciences 2014 / p. 234-239 : ill https://artiklid.elnet.ee/record=b2680563*est

The structure of FET-based negative differential resistance for microwave and neural network applications

Taniloo, Rainer BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 73-76 : ill

Study of effects of low level microwave field by method of face masking

Rodina, Anastasia; Lass, Jaanus; Riipulk, Jevgeni; Bachmann, Talis; Hinrikus, Hiie Bioelectromagnetics 2005 / p. 571-577 <https://pubmed.ncbi.nlm.nih.gov/16142782/>

Study of effects of modulated microwaves by method of face masking

Rodina, Anastasia; **Lass, Jaanus**; Bachmann, T.; **Hinrikus, Hiie** Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 25, A New Beginning for Human Health : volume 4 of 4 : 17-21 September 2003, Cancun, Mexico 2003 / p. 3249-3252 <https://ieeexplore.ieee.org/document/1280836>

Study of effects of modulated microwaves on perceptual system of visual information processing

Lass, Jaanus; Rodina, Anastasia; Bachmann, T.; **Hinrikus, Hiie** Book of abstracts of 6th International Congress of the European Bioelectromagnetics Association : Budapest, Hungary, 2003 2003 / p. 84

Superhard B4C-ReB2 composite by SPS of microwave synthesized nanopowders

Mnatsakanyan, R.; Davtyan, D.; **Minasyan, Tatevik**; **Aydinyan, Sofiya**; **Hussainova, Irina** Materials letters 2021 / art. 129163, 5 p. : ill <https://doi.org/10.1016/j.matlet.2020.129163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effects of the 7Hz modulated microwaves on Human brain activity

Hinrikus, Hiie; **Lass, Jaanus**; **Parts, Maie**; **Ferenets, Rain**; **Tuulik, Viiv** 12th Nordic Baltic Conference on Biomedical Engineering and Medical Physics : 12NBC 2002, June 18th-22nd, Reykjavik, Iceland 2002 / p. 138-139

The sensitivity of living tissue to microwave field

Lass, Jaanus; **Riipulk, Jevgeni**; **Hinrikus, Hiie** Proceedings of the 20th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 20, no. 6, Biomedical Engineering Towards the Year 2000 and Beyond, Hong Kong SAR, China, October 29-November 1, 1998 1998 / p. 3249-3252

The use of microwave method for diagnosis of moisture content of massive dolostone walls of medieval churches

Kurik, Lembit; **Kalamees, Targo**; **Kallavus, Urve** ISBP 2015 : 1st International Symposium on Building Pathology : conference proceedings : March 24-27, 2015, Porto, Portugal 2015 / p. 189-196 : ill

Waves, oscillations and optics in biomedical engineering : research in the Department of Biomedical Engineering 1994-2014

Hinrikus, Hiie Proceedings of the Estonian Academy of Sciences 2014 / p. 200-210 : phot https://artiklid.elnet.ee/record=b2680530*est

Versatile graphene-alumina nanofibers for microwave absorption and EMI shielding

Saffar Shamshirgar, Ali; Alvarez, Maria Fernandez; Del Campo, Adolfo; Fernandez, Jose Francisco; Rojas Hernandez, Rocio Estefania; Ivanov, Roman; Rosen, Johanna; **Hussainova, Irina** Carbon 2023 / art. 118057 <https://doi.org/10.1016/j.carbon.2023.118057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Väliseestlased toeks Tehnikaülikoolile : [Aksel Kiissi sponsoreeritud mikrolainetehnika laboratooriumi avamine ja seminar tema elutööst]

Tehnikaülikool 1996 / lk. 6: ill https://www.ester.ee/record=b5309277*est

Измерение СВЧ фотопроводимости в материалах с высокой проводимостью

Vallaste, Heikki; **Mellikov, Enn**; **Tuvike, Tiit**; **Palmre, Õie** Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 57-63