

### **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>

### **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

### **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](http://www.digitalxplore.org/up_proc/pdf/408-154943387153.pdf)

### **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](http://ise.elnet.ee/record=b2891940~S1*est)

### **Evaluation of high performance aluminum for microwave filters**

Martin-Iglesias, P.; **Raadik, Taavi;** Teberio, F.; Perczaj, 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 : Sydney, 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://www.ester.ee/record=b5685094*est) <https://digikogu.taltech.ee/et/Item/38784e65-568e-4dd9-ae9-bb5eec5a2a9c>  
<https://doi.org/10.23658/taltech.20/2024>

### **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

### **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 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 2023  
<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.ester.ee/record=b2860846\\*est](http://www.ester.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](https://artiklid.elnet.ee/record=b1022240*est)

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

**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.ester.ee/record=b1292531\\*est](https://www.ester.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](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.; Percz, J.M.; Martin-Iglesias, S.; Pambaguan, 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>

**A novel real-time parametric tracking approach for robust microwave filter tuning**  
**Sekhri, Even; Tamre, Mart**; Kapoor, Rajiv; Kumar, Rahul 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? : [mikrolaineikiirguse 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

**Propagation velocity in nerve fibre exposed microwave**  
**Hinrikus, Hiie; Lass, Jaanus; Tuulik, Viuu** EBFA 2003 : 6th International Congress of the European Bioelectromagnetics Association (EBFA) : 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

**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. Tehnologija. Resursi : XI starptautiskas zinātniski 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](https://artiklid.elnet.ee/record=b2680563*est)

### **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>

### **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, Viuu 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](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](https://www.ester.ee/record=b5309277*est)