

Apparent decrease of diffusion coefficients due to the plasma-induced band gap narrowing

Udal, Andres; Velmre, Enn 19th Nordic Semiconductor Meeting : May 20-23, 2001, Copenhagen, Denmark : abstracts 2001 / p. 22 : ill

Automatic vessel identification system

Haavel, Rein; Tani, Harry BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 181-182 : ill

Basics of electrical measurement : general course

Tamm, Uljas 2003 https://www.ester.ee/record=b1828296*est

BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia
2002 http://www.ester.ee/record=b2150914*est

BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia
2004 http://www.ester.ee/record=b2150914*est

BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference
Rang, Toomas 2006 http://www.ester.ee/record=b2150914*est

BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia
2008 http://www.ester.ee/record=b2150914*est

BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 4-6, 2010, Tallinn, Estonia
Rang, Toomas 2010 http://www.ester.ee/record=b2150914*est

A brief survey of exciton concentration models for Si

Velmre, Enn; Udal, Andres The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 19-22 : ill

[Christou, A. Integrating reliability into microelectronics manufacturing. Series on design and measurement in electronic engineering, edited by D.V.Morgan and H.L.Grubin. Wiley, Chichester, 1994. 349 p. : Book review]

Velmre, Enn Engineering applications of artificial intelligence 1996 / p. 97 https://www.ester.ee/record=b1200126*est

Classical electrodynamics, charge distributions of currents and the metal transistor

Taniloo, Rainer BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 61-64 : ill

Compact smart home systems : design and verification of cost effective hardware solutions

Kuusik, Alar 2001 http://www.ester.ee/record=b1622134*est

Comparison of Si and SiC devices surge current capability by means of numerical simulations

Velmre, Enn; Udal, Andres BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 77-80 : ill

Control and remote monitoring system of Aids to Navigation

Haavel, Rein; Heinla, Ü.; Käärman, L.; Pikpoom, T.; Rebane, R.; Tani, Harry BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 207-210 : ill

Corrected accounting of electron-hole scattering in cross-term current equations for Si and SiC

Velmre, Enn; Udal, Andres 18th Nordic Semiconductor Meeting, Linköping, June 7-10, 1998 : abstracts 1998 / p. F-88: ill
<https://iopscience.iop.org/article/10.1238/Physica.Topical.079a00193>

Department of Electronics

Min, Mart; Parve, Toomas; Laansoo, Ants; Männama, Vello; Velmre, Enn; Udal, Andres Research activities / Tallinn Technical University 1993 / p. 79-81 https://www.ester.ee/record=b1053754*est

Digitaalelektronika : laboratoorsete tööde kogumik

1994 http://www.ester.ee/record=b1065462*est

Digitaalelektronika alused : skeemid : abimaterjal loengute jälgimise ja konspekteerimise hõlbustamiseks

1994 https://www.ester.ee/record=b1065765*est

DSP-based device for multi-frequency bio-impedance measurement

Märtens, Olev Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering : NBCBME'99 : June 6-10, 1999, Tallinn, Estonia, p. 165-170

Eessõna

Meister, Ants; Tamm, Uljas Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 4 https://www.ester.ee/record=b1399956*est

Electrical bioimpedance measurement : methods and equivalent circuits

Gordon, Rauno; Parve, Toomas BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 363-366 : ill

Electronic circuits : examples for project based subject "Technologies of electronic products"

Sillakivi, Peeter; Tamm, Uljas 2003 https://www.ester.ee/record=b1828290*est

Elektrimõõtmiste alused : ülevaatekursus

2003 http://www.ester.ee/record=b1782612*est

Elektrisüsteemi talitluse seire

Meldorf, Mati 1995 http://www.ester.ee/record=b1069180*est

Elektronilülitused : näidisskeemid projektipõhilisele õppeainele "Elektrontoodete tehnoloogiad"

2003 https://www.ester.ee/record=b1828299*est

Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid

2000 https://www.ester.ee/record=b1399956*est

Elektroonika Eestis - tööstus, teadus, haridus - järelmõtteid

Rang, Toomas Insenerikultuur Eestis. 3 1997 / lk. 139-147 https://www.ester.ee/record=b1063622*est

Elektroonika komponendid : loengukonspekt

Kasemaa, Argo 2003 http://www.ester.ee/record=b1782506*est

Elektroonika kui Eesti innovatsioonisüsteemi infrastruktuur

Min, Mart; Rang, Toomas; Ubar, Raimund-Johannes Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 265 https://www.ester.ee/record=b1052731*est

Elektroonikainseneride harimisest meil ja mujal

Rang, Toomas Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 7-14 https://www.ester.ee/record=b1399956*est

Elektroonikud ettevõtluses : teadus, arendus, äri

Min, Mart Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 15-18 https://www.ester.ee/record=b1399956*est

Exercises. Final test questions : supplementary material in the course "Microelectronics"

Rang, Toomas 2003 https://www.ester.ee/record=b1766979*est

Foreword

Rang, Toomas; Min, Mart; Ubar, Raimund-Johannes BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 3 https://www.ester.ee/record=b2150914*est

40 years of Electronics Department at Tallinn Technical University

Tamm, Uljas; Velmre, Enn BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 7-10 https://www.ester.ee/record=b2150914*est

Frequency pattern fitting in an extended block-adaptive Fourier analyser - I: indispensable restrictions

Ronk, Ants BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 153-156 : ill

Frequency pattern fitting in an extended block-adaptive Fourier analyser - II: ordering of frequencies and fitting of them on disjoint sets of values

Ronk, Ants BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 217-220

Frequency pattern fitting in an extended block-adaptive Fourier analyser - III: necessary detunings

Ronk, Ants BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 221-224 : ill

Influence of excitonic scattering on charge carrier ambipolar diffusion in silicon

Udal, Andres; Velmre, Enn ESSDERC'97 : proceedings of the 27th European Solid-State Device Research Conference, Stuttgart, Germany, 22-24 September 1997 1997 / p. 212-215: ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=1503333>
<https://doi.org/10.1109/ESSDERC.1997.194403>

Intracardiac bio-impedance measurement for cardiac rhythm control

Holmström, Nils; Järverud, Karin; **Min, Mart**; Noren, Kjell; **Parve, Toomas** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering : NBCBME'99 : June 6-10, 1999, Tallinn, Estonia, p. 163-164: ill

Kunstnina

Kasemaa, Argo Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 95-102 : ill https://www.ester.ee/record=b1399956*est

Measurement of charge carrier lifetime temperature dependence in 4H-SiC power diodes

Velmre, Enn; Udal, Andres Abstracts of International Conference on Silicon Carbide and Related Materials : ICSCRM'99 : October 10-15, 1999, Research Triangle Park, North-Carolina, USA 1999 / paper no 394, 2 p
https://www.researchgate.net/publication/240833834_Measurement_of_Charge_Carrier_Lifetime_Temperature-Dependence_in_4H-SiC_Power_Diodes

Modeling and simulation of bipolar semiconductor devices : authors's main publications

Velmre, Enn 1996 http://www.ester.ee/record=b2079366*est

Modeling of charge carrier non-isothermal transport parameters in silicon

Velmre, Enn; Udal, Andres BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 71-74: ill

Modelling of Seebeck coefficient influenced by carrier phonon drag and mixed scattering

Milatškov, Milko BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 57-60 : ill

Modelling of the tunneling current in metal alloy contacts to 6H- and 4H-SiC substrates

Rang, Toomas MICROSIM II : simulation and design of microsystems and microstructures 1997 / p. 23-31 : ill

A modified frequency error estimator for the block adaptive Fourier analyzer

Ronk, Ants The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 103-106 : ill https://www.ester.ee/record=b2150914*est

Multisine dynamic EBI spectrum analyser for in vivo experiments

Min, Mart; Märten, Olev; Parve, Toomas Medical & biological engineering & computing 1999 / Suppl. 2, Proceedings of the European Medical & Biomedical Engineering Conference : EMBEC'99 : November 4-7, 1999, Vienna, Austria. Part 1, p. 144-145

Näidisülesanded. Test : abimaterjal ainele "Mikroelektroonika"

2003 http://www.ester.ee/record=b1766976*est

Phase insensitivity in the charge pump phase locked loops

Paavle, Toivo Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / p. 78-86 : ill https://www.ester.ee/record=b1399956*est

Phase-domain modeling of the PLL frequency synthesizers

Paavle, Toivo BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 173-176 : ill

Plaan 3000Pluss

Rang, Toomas Mente et Manu 2010 / lk. 3 : fot https://artiklid.elnet.ee/record=b2286893*est

Pooljuhtkomponentide simuleerimine arvutil : laboratoorse töö juhend

2003 http://www.ester.ee/record=b1766958*est

Precision AC/DC measurement converters with switched capacitors in the feedback path = Täpsed vahelduvpinge mõõtemuundurid ümberlülituvate kondensaatoritega tagasiside ahelas

Märtens, Olev 1993 http://www.ester.ee/record=b2089954*est

Preface

Rang, Toomas BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 3-4
https://www.ester.ee/record=b2150914*est

Preface

Rang, Toomas BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. III https://www.ester.ee/record=b2150914*est

Preface

Rang, Toomas The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. III https://www.ester.ee/record=b2150914*est

Preface

Rang, Toomas BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. III https://www.ester.ee/record=b2150914*est

Preliminary investigation of diffusion welded contacts to p-type 6H-SiC

Korolkov, Oleg; Rang, Toomas; Kuznetsova, Natalja; Ruut, Jana BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 55-56 : ill

Principles of semiconductor structures. Realisation of structures in crystals : supplementary lecture material in the subject "Microelectronics"

Rang, Toomas 2003 http://www.ester.ee/record=b1782565*est

Product and manufacturing in electronics : supplementary material in the subject "Technologies of electronic circuits"

Rang, Toomas 2003 https://www.ester.ee/record=b1766953*est

Pseudorandom sampling in a multi-frequency bioimpedance analyser

Märtens, Olev; Min, Mart BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 253-256 : ill

SC structures with low-threshold MOS switches

Männama, Vello; Sabolotny, Rein BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 119-122 : ill

A set-up for investigation of post-ischaemic recovery of isolated animal heart based on dynamic measurement of pressure, flow, and electrical bioimpedance

Rätsep, Indrek; Kink, Andres; **Taal, Günter; Parve, Toomas** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 367-370 : ill

SiC-diodes forward surge current failure mechanisms : experiment and simulation

Velmre, Enn; Udal, Andres ESREF'97 : proceedings of the 8th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis, Oct. 7-10, 1997, Bordeaux, France 1997 / p. 1671-1674
<https://www.sciencedirect.com/science/article/abs/pii/S0026271497001364>

SiC-diodes forward surge current failure mechanisms : experiment and simulation

Udal, Andres; Velmre, Enn Microelectronics reliability 1997 / p. 1671-1674 [https://doi.org/10.1016/S0026-2714\(97\)00136-4](https://doi.org/10.1016/S0026-2714(97)00136-4)

Simulation of semiconductor components on PC-s : instruction for laboratory work

Kurel, Raido 2003 http://www.ester.ee/record=b1766967*est

Smart house

Kuusik, Alar Integrated systems and design : interstudy, May 9, 2008 2008 / p. 65-72

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

Tallinna Tehnikaülikool ja Elcoteq Tallinn AS elektroonikainseneride ettevalmistuse ühisrindel

Rang, Toomas Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 19-20 https://www.ester.ee/record=b1399956*est

The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings

2000 https://www.ester.ee/record=b2150914*est

A theoretical study of electron drift mobility anisotropy in n-type 4H- and 6H-SiC

Velmre, Enn; Udal, Andres Abstracts of International Conference on Silicon Carbide and Related Materials : ICSCRM'99 : October 10-15, 1999, Research Triangle Park, North-Carolina, USA 1999 / paper no 395, 2 p
https://www.researchgate.net/publication/250338907_A_Theoretical_Study_of_Electron_Drift_Mobility_Anisotropy_in_n-Type_4H-and_6H-SiC

A theoretical study of electron drift mobility anisotropy in n-type 4H- and 6H-SiC

Velmre, Enn; Udal, Andres Materials science forum 2000 / p. 725-728

Thermopower measurements in 4H-SiC and Theoretical calculations considering the phonon drag effect

Grivickas, V.; Stölzer, M.; **Velmre, Enn; Udal, Andres**; Grivickas, P.; Syväjärvi, M.; Yakimova, R.; Bikbajevs, V. Abstracts of the 3rd European Conference on Silicon Carbide and Related Materials : ECSCRM'2000 : Sept. 3-7, 2000, Kloster Banz, Germany 2000 / p. 144

Thermopower measurements in 4H-SiC and theoretical calculations considering the phonon drag effect

Grivickas, Vytautas; Stölzer, M.; **Velmre, Enn; Udal, Andres**; Grivickas, Paulius; Syväjärvi, Mikael; Yakimova, Rositza; Bikbajevs, V. Silicon Carbide and Related Materials : ECSCRM2000 : proceedings of the 3rd European Conference on Silicon Carbide and Related Materials : Kloster Banz, Germany, September 2000 2001 / p. 491-494 : ill
https://www.researchgate.net/publication/240833914_Thermopower_Measurements_in_4H-SiC_and_Theoretical_Calculations_Considering_the_Phonon_Drag_Effect

Thomas Johann Seebeck (1770-1831)

2007 http://www.ester.ee/record=b2285820*est

Toode ja tootmine elektroonikas : abimaterjal ainele "Elektroonikaskeemide tehnoloogiad"

2003 http://www.ester.ee/record=b1766950*est

Two-dimensional nonisothermal analysis of the current crowding effect at nonuniform SiC Schottky contacts using device simulator DYNAMIT-2DT

Kurel, Raido; Udal, Andres BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 51-54 : ill

Täpsete järgivsüsteemide dünaamika uurimine : magistritöö

Tammemägi, Jaak 1995 https://www.ester.ee/record=b2078796*est

Voolu tekitava laengujaotuse probleem elektrijuhis ja võimendava laengutüürimise väljavaated selles

Taniloo, Rainer Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 71-77 https://www.ester.ee/record=b1399956*est

Ühtne meresidesüsteem

Märtn, Hannes Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 68-70 : ill https://www.ester.ee/record=b1399956*est