A step félvezetőtechnológiai szimulációs program
Tarnay, K.; Drozdy, G.; Masszi, F.; **Rang, Toomas** Mérés és automatika: megjelenik a Méréstechnikai és Automatizálási Tudományos Egyesület Szerkesztésében 1981 / p. 460-464

A7 I²L kapu modellezese a TRAN-TRAN nemlineáris aramkölakalizös program segítségével
Rang, Toomas Híradástechnika = Journal on communications, computers, convergence, contents, companies 1980 / p. 216-220

Ambient temperature influence on current suppressing effect caused by self-heating phenomenon at 6H-SiC Schottky interfaces
Kurel, Raido; **Rang, Toomas** BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 253-254: ill

An analysis of critical parameters of SiC JBS structures
Kurel, Raido; **Rang, Toomas**; Poirier, Laurent Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 3-2, p. 284-299 : ill

Analog front end components for bio-impedance measurement : current source design and implementation = Bioimpedantsi mõõteseadme analoogosa komponendid : vooluallika disain ja realisatsioon
Kasemaa, Argo 2011 https://digi.lib.ttu.ee/i/?590

Analysis of barrier inhomogeneities of P-type Al/4H-SiC Schottky barrier diodes
Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas**; **Toompuu, Jana** Silicon Carbide and Related Materials 2019 : Selected peer-reviewed papers from International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), September 29 - October 4, 2019, Kyoto, Japan Materials science forum 2020 / p. 960-972 https://doi.org/10.4028/www.scientific.net/MSF.1004.960 Conference proceedings at Scopus Article at Scopus

Analysis of deep level centers in GaAs pin-diode structures
Korolkov, Oleg; **Toompuu, Jana**; **Rang, Toomas** Elektronika ir elektrotechnika = Electronics and electrical engineering 2013 / [4 p.] : ill https://doi.org/10.5755/j01.eee.19.10.5903 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of deep level spectrum in GaAs p+-p-i-n-n+ structures
Toompuu, Jana; **Sleptšuk, Natalja**; **Korolkov, Oleg**; **Rang, Toomas** Materials characterization VII 2015 / p. 283-294 : ill

Analysis of peak current for current crowding effect in 4H- and 6H-SiC Schottky structures
Kurel, Raido; **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. 235-236 : ill

Analysis of the basic Schottky parameters for diffusion-welded aluminium contacts to p- and n-type SiC
Korolkov, Oleg; **Ljutov, Jevgeni**; Kuznetsova, Natalja; Ruut, Jana; **Rang, Toomas** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 51-53 : ill

Andursignaalide töötlemine ja andursüsteemid : metoodiline juhend
1989 https://www.ester.ee/record=b1240066*est

Andursignaalide töötlemine ja andursüsteemid : metoodiline juhend
1988 https://www.ester.ee/record=b1239930*est

Application of power line communication technology in street lighting control
Farkas, Tekla D.; Kiraly, Tamás; **Pardy, Tamas**; **Rang, Toomas**; **Rang, Galina** International journal of design and nature and ecodynamics 2018 / p. 176–186 : ill https://doi.org/10.2495/DNE-V13-N2-176-186 Journal metrics at Scopus Article at Scopus Article at WOS

Arukad põhjendused pole veel kedagi veennud : [TTÜ arengutest tulevikus]
Rang, Toomas Mente et Manu 2004 / 3. nov., lk. 2, 4 : fot https://www.ester.ee/record=b1242496*est

ASIC for alcohol sensor
Kasemaa, Argo; **Rang, Toomas** BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 283-286: ill

Az I²L sztatikus zavar védettsége
Rang, Toomas Mérés és automatika: megjelenik a Méréstechnikai és Automatizálási Tudományos Egyesület Szerkesztésében 1980 / p. 466-468

Balti elektroonika konverents (BEC'96)
Rang, Toomas SAT-Meedia ja Elektroonika 1996 / 8, lk. 14-15: ill

Balti elektroonikakonverents 2002 : [TTÜ elektroonikainstituudi korraldusel toimuvast rahvusvahelisest konverentsist BEC'2002]
Rang, Toomas Mente et Manu 2002 / 8. okt., lk. 1 : ill https://www.ester.ee/record=b1242496*est

Balti elektroonikakonverents BEC 2010
Rang, Toomas Tallinna Tehnikaülikooli aastaraamat 2010 2011 / lk. 279-280

Balti elektroonikakonverentsid
Rang, Toomas Tallinna Tehnikaülikooli aastaraamat 2011 2012 / lk. 308-316

Baltic Electronics Conference 1996 : (BEC' 96)
Rang, Toomas Baltic electronics 1995 / 1, p. 38

Baltic Electronics Conference (BEC) series : long and winding road
Rang, Toomas 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 2010 / p. 11-16

Baltic Electronics Conference BEC'96
Rang, Toomas Baltic electronics 1996 / 3, p. 25-26

BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia)
Rang, Toomas; **Min, Mart**; **Ubar, Raimund-Johannes** 1994

BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia
Rang, Toomas 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 2006 järelkajad : [intervjuu Toomas Rangiga elektroonikute konverentsi teemal]
Rang, Toomas; **Ummelas, Mart** Mente et Manu 2006 / 18. okt., lk. 2 : fot https://www.ester.ee/record=b1242496*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
Rang, Toomas 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

BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia
2012 http://www.ester.ee/record=b2150914*est

BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia
Rang, Toomas 2014 http://www.ester.ee/record=b2150914*est

BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia
Rang, Toomas 2016 http://www.ester.ee/record=b2150914*est

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

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

Can 3D printing bring droplet microfluidics to every lab? - A systematic review
Gyimah, Nafisat; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** Micromachines 2021 / art. 339 https://doi.org/10.3390/mi12030339 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Change in the parameters of electron-irradiated 4H-SIC Schottky diodes as a function of the time during low-temperature isothermal annealing
Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Toompuu, Jana**; **Sleptsuk, Natalja**; **Rang, Toomas** 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. 734-737 https://doi.org/10.4028/www.scientific.net/MSF.963.734 Conference proceeding at Scopus Article at Scopus

Characterization of deep level traps in semiconductor structures using numerical experiments
Koel, Ants; **Rang, Toomas**; **Rang, Galina** Materials characterization VII 2015 / p. 253-261 : ill

Characterization of silicon carbide (SiC) and graphene-based novel semiconductor devices = Ränikarbiidil (SiC) ja grafeenil põhinevate uudsete pooljuhtstruktuuride karakteriseerimine
Rashid, Muhammad Haroon 2021 https://www.ester.ee/record=b5397240*est https://digikogu.taltech.ee/et/Item/a64fd50e-125c-49ad-b0a6-6ad2e01b8bfa https://doi.org/10.23658/taltech.6/2021

Characterization of the temperature dependent behavior of snappy phenomenon by the switching-off of GaAs power diode structures
Koel, Ants; **Rang, Toomas**; **Rang, Galina** Heat transfer XIII : simulation and experiments in heat and mass transfer 2014 / p. 439-449 : ill https://doi.org/10.2495/HT140381 Conference proceedings at Scopus Article at Scopus

Charge carrier transport in SiC Schottky interfaces : shape factor approach
Kurel, Raido; **Rang, Toomas**; **Rang, Galina**; **Kasemaa, Argo** 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. 87-90 : ill

Circuit simulation program oriented physical modeling of integrated circuit elements
Rang, Toomas; Tarnay, K.; Szekely, V. Periodica polytechnica. Electrical engineering = Электротехника 1980 / p. 37-45 https://www.ester.ee/record=b1198855*est

Clamp mode package diffusion welded power SiC Schottky diodes
Korolkov, Oleg; **Kuznetsova, Natalja**; **Rang, Toomas** 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 2006 / p. 55-58 : ill

CMOS low power current source with reduced circuit complexity
Kasemaa, Argo; **Rang, Toomas**; **Annus, Paul** IEEE 9th International New Circuits and Systems Conference (NEWCAS) : Bordeaux-France, 26-29 June 2011 : [proceedings] 2011 / p. 17-20 https://www.semanticscholar.org/paper/CMOS-low-power-current-source-with-reduced-circuit-Kasemaa-Rang/f5e490ce914a4c6c3195586a28147211c928c28d

CMOS SP chip for resistor type semiconductor gas sensors
Kasemaa, Argo; **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. 255-256 : ill

CNN-Transformer Hybrid Model Towards Automated Droplet Image Quality Assessment of Portable Imaging Flow Cytometer
Afrin, Fariha; Ndubuisi Ezechukwu, Dismas; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas**; **Koel, Ants** IEEE EUROCON 2025 - 21st International Conference on Smart Technologies 2025 / 6 p https://doi.org//10.1109/EUROCON64445.2025.11073334

Co-design of a wireless networked control system for reliability and resource-efficiency
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 7 p https://doi.org/10.1109/BEC61458.2024.10737965 Conference proceedings at Scopus Article at Scopus Article at WOS

Co-design of wireless networked control systems : a reliable and resource-efficient approach
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** techrxiv.org 2024 / 9 p. : ill https://www.techrxiv.org/users/693853/articles/683291-co-design-of-wireless-networked-control-systems-a-reliable-and-resource-efficient-approach

Cogniflow-drop : integrated modular system for automated generation of droplets in microfluidic applications
Jõemaa, Rauno; **Gyimah, Nafisat**; **Ashraf, Kanwal**; **Pärnamets, Kaiser**; **Zaft, Alexander**; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** IEEE Access 2023 / p. 104905-104929 https://doi.org/10.1109/ACCESS.2023.3316726 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Compact empirical model for droplet generation in a Lab-on-Chip cytometry system
Pärnamets, Kaiser; **Udal, Andres**; **Koel, Ants**; **Pardy, Tamas**; **Gyimah, Nafisat**; **Rang, Toomas** IEEE Access 2022 / p. 127708-127717 https://doi.org/10.1109/ACCESS.2022.3226623 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative characteristics of 6H- and 4H-SiC surfaces in diffusion welding
Korolkov, Oleg; **Rang, Toomas** Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 4, p. 347-353 : ill

Comparative characteristics of diffusion welded Al contacts to 6H- and 4H-SiC substrates
Korolkov, Oleg; **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. 23-26 : ill

Comparative characteristics of diffusion-welded high-voltage stacks and connected in series Schottky diodes
Sleptšuk, Natalja; **Korolkov, Oleg**; **Land, Raul**; **Toompuu, Jana**; **Annus, Paul**; **Rang, Toomas** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 39-42 : ill http://www.ester.ee/record=b2150914*est

Comparative investigation of the graphene-on-silicon carbide and CVD graphene as a basis for biosensor application
Sleptšuk, Natalja; Lebedev, Alexander A.; Eliseyev, Ilya; **Korolkov, Oleg**; **Toompuu, Jana**; **Land, Raul**; **Mikli, Valdek**; Zubov, Alexander; **Rang, Toomas** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 185-190 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.185 https://doi.org/10.4028/www.scientific.net/KEM.799.185 Conference proceeding at Scopus Article at Scopus

Comparison of GaAs based high voltage diode stacks
Voitovitš, Viktor; Kuznetsova, Natalja; **Rang, Toomas**; **Pikkov, Mihhail**; Ruut, Jana EPE-PEMC 2004 : 11th International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol. 2 of 7, Devices, control of converters, measurements and sensors 2004 / p. 2-391 - 2-394 : ill

Comparison of individual SiC JBS chips and JBS stacks connected in series by diffusion welding
Sleptšuk, Natalja; **Korolkov, Oleg**; **Toompuu, Jana**; **Rang, Toomas** 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 2010 / p. 81-84 : ill

Comparison of the dynamic behaviour of complementary 6H- and 4H-SiC Schottky structures using numerical simulation
Rang, Toomas; **Kurel, Raido** Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 3, p. 173-178

Comparison of turn-on characteristics of thyristor structures based on wide bandgap materials
Rang, Toomas; Vaselo, Aleksandr; **Rang, Galina**; **Pikkov, Mihhail** Proceedings of the Estonian Academy of Sciences. Engineering 2007 / 4, p. 445-454 : ill

Complementary multi guard ring JBS structures: numerical analysis
Koel, Ants; **Rang, Toomas**; **Rang, Galina** 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 2010 / p. 85-88 : ill

Computer aided examination of I²L structures
Rang, Toomas International journal of electronics 1981 / p. 445-463 https://doi.org/10.1080/00207218108901286

Computer aided examination of the avalanche multiplication in Si, GaA and IkP complementary pn-junctions
Rang, Toomas Modelling, simulation and control 1985 / p. 23-40

Computer aided modeling of high frequency power M-S structures
Rang, Toomas; **Udal, Andres** Proceedings of the seventh Colloquium on Microwave Communication : Budapest, 6-10 Sept. 1982 1982 / p. 238-241

Computer aided simulation of dynamic behaviour of the I²L flip-flop
Rang, Toomas Microelectronics '82 : proceedings of the 3. Microelectronics Conference of the Socialist Countries ; from 5.-7. May 1982, Siófok, Hungary 1982 / p. 153-154

Computer aided simulation of power Scottky Diodes
Rang, Toomas; **Koel, Ants**; **Udal, Andres** Modeling, Simulation and Control 1985 / p. 1-13

Computer-aided examination of the I²L current source and the behaviour of the I²L flip-flop used in static memory cells
Rang, Toomas Periodica polytechnica. Electrical engineering = Электротехника 1981 / p. 159-165 : joon
https://www.ester.ee/record=b1198855*est https://pp.bme.hu/ee/article/view/4776/3881

Contact manufacturing technologies for wide band-gap semiconductor materials (invited)
Rang, Toomas BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 17-28: ill

Current crowding phenomenon in JBC structures
Rang, Toomas; **Kurel, Raido**; Higelin, G.; Poirier, Laurent Computer Methods and Experimental Measurements for Surface Effects and Contact Mechanics VII 2005 / p. 387-396 https://www.witpress.com/elibrary/wit-transactions-on-engineering-sciences/49/15383

Current suppressing effect in alloy metal and 6H-SiC substrate Schottky contacts
Rang, Toomas; Blum, Alfons BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 81-84: ill

Deep reinforcement learning-based digital twin for droplet microfluidics control
Gyimah, Nafisat; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** Physics of Fluids 2023 / art. 082020 https://doi.org/10.1063/5.0159981 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design of Cyber Bio-analytical Physical Systems : formal methods, architectures, and multi-system interaction strategies
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** Microprocessors and microsystems 2023 / art. 104780, 14 p. : ill https://doi.org/10.1016/j.micpro.2023.104780 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design of two stage high efficiency power amplifier in 0.13um technology for 2.4 GHz ISM band applications
Patankar, Udayan Sunil; **Koel, Ants**; **Rang, Toomas** Journal of Advanced Research in Dynamical and Control Systems 2018 / p. 822–829 http://www.jardcs.org/backissues/abstract.php?archiveid=3585

Development of a low-cost, wireless smart thermostat for isothermal DNA amplification in lab-on-a-chip devices
Pardy, Tamas; **Sink, Henri**; **Koel, Ants**; **Rang, Toomas** Micromachines 2019 / art. 437, 13 p. : ill https://doi.org/10.3390/mi10070437 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of automated detection and wireless reporting for a handheld point-of-care test
Pardy, Tamas; **Filograno, Leonardo**; Baumann, Cindy; **Rang, Toomas** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2021 / 4 p. : ill https://doi.org/10.1109/BEC49624.2020.9276773

Development of e-learning course: myths and reality
Rang, Toomas; **Rang, Galina** Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19-24, 2004 2004 / p. 9-11

Development of national standard for voltage unit based on solid-state references = Pinge mõõtühiku riigietaloni arendamise Zener-tüüpi etalonpingeallikate baasil
Pokatilov, Andrei; Kübarsepp, Toomas 2008 https://www.ester.ee/record=b2425069*est

Development of temperature control solutions for non-instrumented nucleic acid amplification tests (NINAAT)
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek Micromachines 2017 / p. 1-11 : ill https://doi.org/10.3390/mi8060180 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Diffusion welded Al contacts to p-type SiC
Korolkov, Oleg; **Rang, Toomas**; Syrkin, A.; Dmitriev, V. Silicon Carbide and Related Materials 2002 : ECSCRM2002 2003 / p. 697-700 https://www.scientific.net/MSF.433-436.697

Diffusion welded contacts and related art applied to semiconductor materials
Korolkov, Oleg; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** Elektronika ir elektrotechnika = Electronics and electrical engineering 2011 / p. 67-70 : ill https://eejournal.ktu.lt/index.php/elt/article/view/359

Diffusion welded contacts for silicon semiconductor devices
Korolkov, Oleg; **Rang, Toomas** Proceedings of the International Conference and Exhibition Micro Materials : MicroMat '97, April 16-18, 1997, Berlin, Germany 1997 / p. 1035-1037

The diffusion welded contacts in power electronics
Korolkov, Oleg; **Rang, Toomas** BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 573-578: ill https://www.ester.ee/record=b2150914*est

Diffusion welding contacts to 6H-SiC substrates
Korolkov, Oleg; **Rang, Toomas** 43. Internationales Wissenschaftliches Kolloquium, 21.-24.09.1998 1998 / p. 47-48

Diffusion welding techniques for power SiC Schottky packaging

Korolkov, Oleg; **Rang, Toomas**; Syrkin, A.; Dmitriev, V. Final programm of the 12th International Conference on Silicon Carbide and Related Materials : ICSCRM2005 : Pittsburgh, PA, USA 2005 / p. 71

Diffusion welding techniques for power SiC Schottky packaging
Korolkov, Oleg; **Rang, Toomas**; Syrkin, A.; Dmitriev, V. Silicon carbide and related materials 2005 2006 / p. 919-922

Diffusion welding technology as a method of metallization of ceramic substrates
Korolkov, Oleg; **Rang, Toomas** BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 479-482: ill

Diffusion welding technology for 6H-SiC substrates
Korolkov, Oleg; **Rang, Toomas** BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 251-252: ill

Diffusion welding technology for wide bandgap materials
Rang, Toomas; **Korolkov, Oleg** Proceedings of the European COPEX Seminar, June 17-19, 1997, Vienna, Austria 1997 / p. 124-127

Digital twin for controlled generation of water-in-oil microdroplets with required size
Gyimah, Nafisat; **Scheler, Ott**; **Rang, Toomas**; Pardy, Tamas 2022 23rd International Conference on Thermal, Mechanical and Multi-Physics Simulation and Experiments in Microelectronics and Microsystems (EuroSimE), 25-27 April 2022, St Julian, Malta : proceedings 2022 / p. 85-91 https://doi.org/10.1109/EuroSimE54907.2022.9758876

DLTS measurements on 4H-SiC JBS-diodes with boron implanted local p-n junctions
Ivanov, Pavel; **Korolkov, Oleg**; Samsonova, Tatyana; **Sleptšuk, Natalja**; Potapov, Alexander; **Toompuu, Jana**; **Rang, Toomas** Materials science forum 2011 / p. 409-412 https://www.researchgate.net/publication/272046403_DLTS_measurements_on_4H-SiC_JBS-diodes_with_boron_implanted_local_p-n_junctions

Education environment for electronics and microsystems
Ajaots, Maido; **Min, Mart**; **Rang, Toomas**; **Ubar, Raimund-Johannes** Microelectronics education : proceedings of the European Workshop, Grenoble, France, 5-6 Feb 1996 1996 / p. 145-148: ill

Education environment for electronics and microsystems
Ajaots, Maido; **Min, Mart**; **Rang, Toomas**; **Ubar, Raimund-Johannes** First European Workshop on Microelectronics Education, Villard de Lans, France, February 5-6, 1996 : proceedings 1996 / p. 39

Effects of the inclusion of armchair graphene nanoribbons on the electrical conduction properties of NN-heterojunction 4H-6H/SiC diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Advanced Materials and Processing Technologies : 2nd International Conference on Sensors, Materials and Manufacturing (ICSMM 2018, November 19-21, 2018, Taiwan); International Conference on Materials Sciences and Nanomaterials (ICMSN 2018, July 11-13, 2018, United Kingdom) and the 2nd International Conference on Materials and Intelligent Manufacturing (ICMIM 2018, August 24-26, 2018, Japan) 2019 / p. 29–35 : ill
https://doi.org/10.4028/www.scientific.net/MSF.962.29 Conference proceeding at Scopus Article at Scopus

Ela ise ja lase ka teistel elada! : [T.Rangi nägemus Tehnikaülikooli arengust eelseisvaks viieks aastaks]
Rang, Toomas Mente et Manu 2005 / 12. jaan., lk. 5-6. (TTÜ 2005-2010) https://www.ester.ee/record=b1242496*est

Electron microscopy study of contact layers in n-type 4H-SiC after diffusion welding
Korolkov, Oleg; **Sleptšuk, Natalja**; Sitnikova, A.; **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. 91-94 : ill

Electronics design and test
Ubar, Raimund-Johannes; **Kruus, Margus**; **Rang, Toomas** Public service review : European Union. 13 2007 / p. 52-53

Electronics in Estonia
Rang, Toomas BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 49-56: ill

Elektroonika - mis see on?
Rang, Toomas Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid 2004 / lk. 7-9

Elektroonika Eestis - tööstus, haridus, teadus
Rang, Toomas Tallinna Tehnikaülikooli aastaraamat 1996 1997 / lk. 221-230

Elektroonika Eestis - tööstus, teadus, haridus - järelmõtteid

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

Elektroonikaspetsialistide koolitus tööstuse tarbeks - Elektroonikainstituudi visioon
Rang, Toomas Raadiotehnika 2001 : VIII rahvusvahelise telekommunikatsioonipäeva materjalid 2001 / lk. 110-114 : ill

Elektroonikud pidasid konverentsi : [BEC'98]
Rang, Toomas Tehnikaülikool 1998 / 12. okt., lk. 1

11th Baltic Electronics conference BEC2008
Rang, Toomas Estonian journal of engineering 2010 / 1, p. 5-6 : ill

Embedded blur-free single-image acquisition pipeline for droplet microfluidic imaging flow cytometry (IFC)
Afrin, Fariha; **Pärnamets, Kaiser**; **Le Moullec, Yannick**; **Udal, Andres**; **Koel, Ants**; **Pardy, Tamas**; **Rang, Toomas** IEEE Access 2024 / p. 92431-92441 https://doi.org/10.1109/ACCESS.2024.3421637

Estonian electronic industry
Rang, Toomas Automation, simulation & measurement : ASM'91 : 3rd biennal conference, Tallinn, October 7-11, 1991. Section S / Tallinn Technical University 1992 / p. 4-10: ill

Estonian electronic industry - May 1995
Rang, Toomas; Tani, Harry; **Tamm, Uljas** Baltic electronics 1995 / 1, p. 12-16: ill

Et progressirongist mitte maha jääda : [V Balti Elektroonika Konverents]
Rang, Toomas Tehnikaülikool 1996 / 11. okt., lk. 1-2 https://www.ester.ee/record=b5309277*est

E-õppe müüdid ja tegelikkus : omad ja laenatud kogemused
Rang, Toomas Avaja 2004 / 21. jaan., lk. 8 : portr

Exercises. Final test questions : supplementary material in the course "Microelectronics"
Rang, Toomas 2003 https://www.ester.ee/record=b1766979*est

Experimental analysis of the dynamic performance of Si, GaAs and SiC diodes
Blinov, Andrei; **Vinnikov, Dmitri**; **Rang, Toomas** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 49-52 : ill

Experimental study of surface distortions in silicon carbide caused by diffusion welding
Mizsei, Janos; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 53-56 : ill

Feasibility study of Si and SiC MOSFETs in high-gain DC/DC converter for renewable energy applications
Blinov, Andrei; **Chub, Andrii**; **Vinnikov, Dmitri**; **Rang, Toomas** Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5975-5978 : ill https://doi.org/10.1109/IECON.2013.6700115 Conference Proceedings at Scopus Article at Scopus

Félvezető technológia számítógépes szimulációja
Rang, Toomas; Tarnay, K.; Mizsei, Janos Híradástechnika = Journal on communications, computers, convergence, contents, companies 1980 / p. 327-328

Finite element modelling for the optimization of microheating in disposable molecular diagnostics
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek International journal of computational methods and experimental measurements 2017 / p. 13-22 : ill https://doi.org/10.2495/CMEM-V5-N1-13-22 Journal metrics at Scopus Article at Scopus

Finite element modelling for the optimization of microheating in disposable molecular diagnostics [Electronic resource]
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek 14th International Conference on Simulation and Experiments in Heat Transfer and its Applications : Heat Transfer 2016 : 7-9 September, 2016 Ancona, Italy : unedited papers 2016 / p. [144-155] : ill. [USB]

Finite element modelling of the resistive heating of disposable molecular diagnostics devices
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek Computational methods and experimental measurements XVII 2015 / p. 381-391 : ill
http://dx.doi.org/10.2495/CMEM150341

First principles simulations of phenol and methanol detector based on pristine graphene nanosheet and armchair graphene nanoribbons
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Sensors 2019 / art. 2731, 14 p. : ill https://doi.org/10.3390/s19122731
Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Foreford : twenty years of Baltic Electronics Conference in Tallinn
Rang, Toomas Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 3-2, p. 244-245

Formation of Diffusion welded Al contacts to semiconductor silicon carbide
Korolkov, Oleg 2004

Formation of large area Al contacts on 6H- and 4H-SiC substrates
Korolkov, Oleg; **Rang, Toomas** Abstracts of the 3rd European Conference on Silicon Carbide and Related Materials : ECSCRM'2000 : Sept. 3-7, 2000, Kloster Banz, Germany 2000 / p. 188 https://www.scientific.net/MSF.353-356.603

Formation of large area Al contacts on 6H- and 4H-SiC substrates
Korolkov, Oleg; **Rang, Toomas** 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. 603-606 : ill

A fully differential, 200MHz, programmable gain, level-shifting, hybrid amplifier/power combiner/test buffer, using pre-distortion for enhanced linearity
Kampus, Vahur; **Rang, Toomas**; Knaller, Daniel PRIME 2018 : 14th Conference on PhD Research in Microelectronics and Electronics 2018 / p. 5-8 : ill https://doi.org/10.1109/PRIME.2018.8430372

GaAs based diffusion welded high voltage diode stacks [Electronic resource]
Toompuu, Jana; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Voitovitš, Viktor**; **Rang, Toomas** IEEE International Conference on Semiconductor Electronics CD-ROM Proceedings 2010 / [4] p https://ieeexplore.ieee.org/document/5549505

Generalized analytical model for SiC polytypic heterojunctions
Rang, Toomas; **Tabun, Indrek**; **Rang, Galina**; Koel, Ants Estonian journal of engineering 2011 / 2, p. 151-157 : ill

Globaliseerumisest ja konkursivõimest ülikoolimaailmas
Rang, Toomas; **Hendre, Enn** Mente et Manu 2002 / 19., 26. veebr., lk. 2 https://www.ester.ee/record=b1242496*est

High performance GaAs power diodes
Voitovitš, Viktor; **Rang, Toomas**; **Rang, Galina**; **Pikkov, Mihhail** 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. 111-114 : ill

High quality LPE GaAs power diodes with DLTS method
Rang, Toomas Public service review : European Union 2009 / p. 423

High quality metal ceramic interfaces using diffusion welding technology
Korolkov, Oleg; **Rang, Toomas** Proceedings of the ASDAM'96, Oct. 20-24, 1996, Bratislava, Slovakia 1996 / p. 309-312

High voltage diffusion‖welded stacks on the basis of SiC Schottky diodes
Korolkov, Oleg; **Sleptšuk, Natalja**; **Annus, Paul**; **Land, Raul**; **Rang, Toomas** ICSRM 2015 : program guide 2015 / p. 73

High voltage GaAs diode stacks : the choice of epistructures for assembling
Rang, Toomas; **Voitovitš, Viktor**; Kuznetsova, Natalja Design, Test, Integration and Packaging of MEMS/MOEMS - DTIP2004 : 12-14 May 2004, Montreux, Switzerland 2004 / p. 199-202 : ill

High-voltage diffusion‖welded stacks on the basis of SiC Schottky diodes
Korolkov, Oleg; **Sleptšuk, Natalja**; **Annus, Paul**; **Land, Raul**; **Rang, Toomas** Silicon carbide and related materials 2015 (ICSRM 2015) : selected, peer reviewed papers from the 16th International Conference on Silicon Carbide and Related Materials, October 4-9, 2015, Giardini Naxos, Italy 2016 / p. 790-794 : ill https://doi.org/10.4028/www.scientific.net/MSF.858.790 Conference Proceedings at Scopus Article at Scopus

Hot spots caused by contact inhomogeneities in 4H- and 6H-SiC Schottky structures
Kurel, Raido; **Rang, Toomas** Advanced Computational Methods in Heat Transfer VI 2000 / p. 437-444
https://www.witpress.com/elibrary/wit-transactions-on-engineering-sciences/27/4468

I²L új irányrat a bipoláris technikában I
Rang, Toomas Mérés és automatika: megjelenik a Méréstechnikai és Automatizálási Tudományos Egyesület Szerkesztésében 1979 / p. 191-195

I²L, új irányrat a bipoláris technikában II
Rang, Toomas Mérés és automatika: megjelenik a Méréstechnikai és Automatizálási Tudományos Egyesület Szerkesztésében 1979 / p. 279-283

Innovatsioon - võimalus või vajadus
Rang, Toomas Arengusuundumused Eestis ja Võrumaal 1997 / lk. 11-18

Instrument-free Lab-on-a-Chip DNA amplification test for pathogen detection [Online resource]
Pardy, Tamas; **Rang, Toomas**; Kremer, Clemens; Tulp, Indrek BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill
https://doi.org/10.1109/BEC.2018.8600991

Integraalskeemide projekteerimine : metoodiline juhend
1988 https://www.ester.ee/record=b1239938*est

Integrált áramköri elemek fizikai modellezése aramkölanalizös program segítségével
Rang, Toomas; Tarnay, K.; Szekely, V. Híradástechnika = Journal on communications, computers, convergence, contents, companies 1980 / p. 322-326

Integrated self-regulating resistive heating for isothermal nucleic acid amplification tests (NAAT) in Lab-on-a-Chip (LoC) devices
Pardy, Tamas; Tulp, Indrek; Kremer, Clemens; **Rang, Toomas**; Stewart, Ray PLoS ONE 2017 / p. 1-11 : ill
https://doi.org/10.1371/journal.pone.0189968 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Interfaces to 6H-SiC substrates - technology and simulation
Rang, Toomas; Blum, Alfons Proceedings of the Estonian Academy of Sciences. Engineering 1997 / 4, p. 250-259: ill

Interpretation of some physical parameters of SiC Schottky interfaces manufactured by diffusion welding technology
Rang, Toomas; **Korolkov, Oleg**; Ljutov, Jevgeni Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 3, p. 179-184

Investigation of additional states in the silicon carbide surface after diffusion welding
Mizsei, Janos; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** ICSCRM2011 : Cleveland Ohio, USA, September 11-16, 2011 : abstracts 2011 / p. 356 : ill
https://www.researchgate.net/publication/269377410_Investigation_of_Additional_States_in_the_Silicon_Carbide_Surface_after_Diffusion_Welding

Investigation of barrier inhomogeneities and electronic transport on Al-Foil/p-Type-4H-SiCSchottky barrier Diodes using diffusion welding
Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas**; **Rashid, Muhammad Haroon** Crystals 2020 / p. 636-647
https://doi.org/10.3390/cryst10080636 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of deep level centers in i- and n-layers of GaAs pin-diodes
Toompuu, Jana; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Rang, Toomas** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 25-28 : ill

Investigation of electrical characteristics of SiC based complementary JBS structures
Kurel, Raido 2005 https://www.ester.ee/record=b2053292*est

Investigation of p-i-n GaAs structures by DLTS method
Toompuu, Jana; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Rang, Toomas** Elektronika ir elektrotechnika = Electronics and electrical engineering 2010 / 4, p. 51-54 : ill https://www.researchgate.net/publication/267372152_Investigation_of_p-i-n_GaAs_structures_by_DLTS_method

Investigation of subcontact layers in SiC after diffusion welding
Korolkov, Oleg; **Kuznetsova, Natalja**; Sitnikova, A.; **Viljus, Mart**; **Rang, Toomas** Silicon carbide and related materials 2007 2009 / p. 647-650

Investigation of subcontact layers in SiC after diffusion welding
Korolkov, Oleg; **Kuznetsova, Natalja**; Sitnikova, A.; **Viljus, Mart**; **Rang, Toomas** Silicon carbide and related materials 2007 / p. 100 https://www.scientific.net/MSF.600-603.647

Investigation of the combined stress and strain situation in diffusion welded rectifying elements
Korolkov, Oleg; **Rang, Toomas**; **Kurel, Raido** Surface treatment VI 2003 / p. 307-316 https://www.witpress.com/elibrary/wit-transactions-on-engineering-sciences/39/1441

Investigation of the graphene-on-silicon-carbide and CVD graphene as a basis for bioimpedance sensor applications : poster
Sleptšuk, Natalja; **Land, Raul**; **Toompuu, Jana**; **Lebedev, Alexander A.**; Davydov, Valery; Eliseyev, Ilya; Kalinina, Evgenia; **Korolkov, Oleg**; **Rang, Toomas** ePosters 2018 / 1 p.: ill https://cdn.technologynetworks.com/ep/pdfs/natalja-sleptsuk-a-raul-land-a-jana-toompuu-a-alexander-lebedev-b-valery-davydov-b-ilya-eliseyev-b.pdf

Investigation of the intermediate layer in the metal-silicon carbide contact obtained by diffusion welding = Difusioonkeevitusega valmistatud metalli ja ränikarbiidi vahelise üleminekuala vahekihi uurimine
Sleptšuk, Natalja 2011 https://www.ester.ee/record=b2692547*est

Ja nii nad tapsidki Ferdinandi... : [muutustest ülikoolides, ka TTÜs]
Rang, Toomas Mente et Manu 2008 / 16. apr., lk. 2, 4 : portr. ; 30. apr., lk. 2 ; 16. mai, lk. 2 ; 30. mai, lk. 2 https://www.ester.ee/record=b1242496*est

Joint optimization via deep reinforcement learning in wireless networked controlled systems
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** IEEE Access 2022 / p. 67152-67167 https://doi.org/10.1109/ACCESS.2022.3185244 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Kalman Tarnay (1929 - 1998)
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. V : portr

Kas ilma elektroonikata on elu Eestis võimalik?
Rang, Toomas IV Välis-Eesti kongress, 29.-30. juunil 1999. a. Tallinnas : ettekannete kokkuvõtted 1999 / lk. 106-108

Kolledžis elektroonika õppekaval roheline tee : [Maret Panga ja Toomas Rangi kommentaaridega]
Aavik, Svea; **Pank, Maret**; **Rang, Toomas** Meie Maa 2003 / 30. apr., lk. 1

Kuhu lähed, Tehnikaülikool? : [TTÜ koht Eestis, tegevuse eesmärgid, tegevusvaldkonnad, ressursid, õppekavad, õppejõud ja üliõpilased, koostöö jm.]
Rang, Toomas Tehnikaülikool 1999 / 29. apr., lk. 5-8

Laia keelutsooniga pooljuhtmaterjalidel põhinevad pooljuhtseadised
Rang, Toomas; **Rang, Galina** Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 169-176 : ill., fot https://www.ester.ee/record=b5208765*est

Large area 4H-SiC power Schottky diode
Rang, Toomas; **Korolkov, Oleg**; **Pikkov, Mihhail** Proceedings of the 3rd International Conference and Exhibition Micro Materials : MicroMat2000 : April 17-19, 2000, Berlin, Germany 2000 / p. 890-893

Large area 4H-SiC power Schottky diode
Rang, Toomas; **Korolkov, Oleg**; **Pikkov, Mihhail** Abstracts of the 3rd International Conference and Exhibition Micro Materials : MicroMat2000 : April 17-19, 2000, Berlin, Germany 2000 / p. 303-304

Large area 6H-SiC Schottky diode
Rang, Toomas; **Korolkov, Oleg**; **Pikkov, Mihhail** Proceedings of the Estonian Academy of Sciences. Engineering 2000 / 2, p. 155-159 : ill https://artiklid.elnet.ee/record=b1004045*est

Large area high quality interfaces to SiC substrates - technology and modelling
Rang, Toomas; **Korolkov, Oleg**; **Kurel, Raido**; **Pikkov, Mihhail** Materials mechanics, fracture mechanics, micro mechanics 1999 / p. 574-579: ill

Life-time characterization of LEDs
Paisnik, Kristo; **Rang, Galina**; **Rang, Toomas** Estonian journal of engineering 2011 / 3, p. 241-251 : ill

Lightweight CNN-based Microfluidic Droplet Classification for Portable Imaging Flow Cytometry
Afrin, Fariha; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** Proceedings of the Estonian Academy of Sciences 2025 / p. 302-311 https://doi.org/10.3176/proc.2025.2S.05

Low noise LDO architecture with consideration for low voltage operation
Mihhailov, Juri; Strik, Viktor; Strik, Sergei; **Rang, Toomas** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference :

proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 41-44 : ill

Low power CMOS current source for shortened square wave signals
Kasemaa, Argo; **Rang, Toomas** 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 2010 / p. 89-92 : ill

Low-cost, portable dual-channel pressure pump for droplet microfluidics
Jõemaa, Rauno; **Grosberg, Martin**; **Rang, Toomas**; **Pardy, Tamas** 2022 45th Jubilee International Convention on Information, Communication and Electronic Technology (MIPRO), 23-27 May 2022, Opatija, Croatia : proceedings 2022 / p. 205-211 : ill https://doi.org/10.23919/MIPRO55190.2022.9803371

Low-temperature annealing of lightly doped n-4H-SiC layers after irradiation with fast electrons
Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** Semiconductors 2019 / p. 975−978 https://doi.org/10.1134/S1063782619070133 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

LPE technology for power GaAs diode structures
Voitovitš, Viktor; **Rang, Toomas**; **Rang, Galina** Estonian journal of engineering 2010 / 1, p. 11-22 : ill

Lugupeetud TÜ rektor prof. J. Aaviksoo : pöördumine
Uibu, Jaak; **Roosimaa, Toivo**; Einasto, R.; Vooglaid, Ülo; Tõnstein, A.; Naelapea, A. E.; **Rang, Toomas**; **Koslov, Vladimir** Sirp 2000 / 20. apr., lk. 20

Maaelektriku teatmik
1975 https://www.ester.ee/record=b1304264*est

Majanduskomisjon 2010–2016
Rang, Toomas Uuele kvaliteedile ja väärikale positsioonile : Tallinna Tehnikaülikool 2000-2015 2018 / lk. 248-263 http://www.ester.ee/record=b4775778*est https://digi.lib.ttu.ee/i/?10910

Materials and contact characterisation VIII
2017 https://www.witpress.com/books/978-1-78466-197-7

Metallization technologies for wide band-gap semiconductor substrates : (invited paper)
Rang, Toomas; **Korolkov, Oleg**; **Pikkov, Mihhail** Proceedings of the 6th Nexuspan Workshop Microsystems Technology Activities in Baltic Region : 23-24 April, 1999, Vilnius, Lithuania 1999 / p. 27-30

Method of samples preparation intended for research of deep centers in i-, n-, and p-layers of GaAs p^+-pin-n^+ structures and result of analysis
Toompuu, Jana; **Sleptšuk, Natalja**; **Korolkov, Oleg**; **Rang, Toomas** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 35-38 : ill http://www.ester.ee/record=b2150914*est

Microheating solution for molecular diagnostics devices = Mikrosoojendamine molekulaardiagnostika seadistes
Pardy, Tamas 2018 https://digi.lib.ttu.ee/i/?9249 https://www.ester.ee/record=b4759173*est

Mille poolest erineb TTÜ... : [intervjuu Toomas Rangiga]
Rang, Toomas Avaja 2003 / 18. dets., lk. 2 : fot

Model-based system architecture for event-triggered wireless control of bio-analytical devices
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** 2021 24th Euromicro Conference on Digital System Design (DSD), 01-03 September 2021 2021 / p. 465–471 : ill https://doi.org/10.1109/DSD53832.2021.00076

Modeling and simulations of 4H-SiC/6H-SiC/4H-SiC single quantum-well light emitting diode using diffusion bonding technique
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Micromachines 2021 / art. 1499 https://doi.org/10.3390/mi12121499 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modeling in semiconductor electronics
Javor, A.; **Rang, Toomas**; Szekely, V.; Tarnay, K.; **Velmre, Enn** 1993 https://www.ester.ee/record=b1031052*est

Modeling in semiconductor electronics
Velmre, Enn; **Rang, Toomas** BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 501-516: ill https://www.ester.ee/record=b2150914*est

Modelling and experimental characterisation of self-regulating resistive heating elements for disposable medical diagnostics devices
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek Materials characterization VII 2015 / p. 263-271 : ill

Modelling and experimental characterisation of thermoelectric heating for molecular diagnostics devices
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 27-30 : ill
http://www.ester.ee/record=b2150914*est

Modelling of inhomogeneities of SiC Schottky interfaces
Rang, Toomas Software for Electrical Engineering Analysis and Design V : [Fifth International Conference ... : Electrosoft V] 2001 / p. 3-15 : ill https://www.witpress.com/Secure/elibrary/papers/ES01/ES01000FU.pdf

Modelling of metal alloy contacts to semiconductor substrate
Rang, Toomas Simulation and design of microsystems and microstructures 1995 / p. 251-258: ill
https://www.witpress.com/Secure/elibrary/papers/MIC95/MIC95030FU.pdf

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

Nano- and Micro-Scale simulations of Ge/3C-SiC and Ge/4H-SiC NN-heterojunction diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 Materials science forum 2020 / p. 490-496 https://doi.org/10.4028/www.scientific.net/MSF.1004.490 Conference proceedings at Scopus Article at Scopus

Nano and micro-scale simulations of Si/4H-SiC and Si/3C-SiC NN-heterojunction diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon Carbide and Related Materials 2018 : 12thEuropean 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. 357–361 https://doi.org/10.4028/www.scientific.net/MSF.963.357 Conference proceeding at Scopus Article at Scopus

Nanoscale and microscale simulations of N-N junction heterostructures of 3C-4H silicon carbide
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas**; **Gähwiler, Reto**; **Grosberg, Martin**; **Jõemaa, Rauno** Materials and contact characterisation VIII 2017 / p. 235-248 : ill https://doi.org/10.2495/MC170241 Conference proceedings at Scopus Article at Scopus

New interdisciplinary master program in communicative electronics at Tallinn University of Technology
Rang, Toomas; **Sleptšuk, Natalja** 5th International Conference on Interdisciplinarity in Education ICIE'10 : New Higher Education Programs, June 17-19, 2010, Tallinn, Estonia : proceedings 2010 / p. 187-190 : ill

Non-destructive eddy current measurments for silicon carbide heterostructure analysis
Sahakyan, Armen; **Koel, Ants**; **Rang, Toomas** Materials and contact characterisation VIII 2017 / p. 49-60 : ill
https://doi.org/10.2495/MC170061 Conference proceedings at Scopus Article at Scopus

Numerical analysis of the influence of deep energy level traps in SiC Schottky structures
Koel, Ants; **Rang, Toomas**; **Rang, Galina** High performance structure and materials. VI 2012 / p. 439-448 : ill

Numerical simulation of P-type Al/4H-SiC Schottky barrier diodes [Online resource]
Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill
https://doi.org/10.1109/BEC.2018.8600976

Numerical simulations for reverse recovery process investigations of LPE GaAs power diodes
Koel, Ants; **Rang, Toomas**; Voitovitš, Viktor; **Toompuu, Jana** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 39-42 : ill

Numerical study of current crowding phenomenon in complementary 4H-SiC JBS rectifiers
Rang, Toomas; Higelin, G.; **Kurel, Raido** Silicon Carbide and Related Materials 2003 2004 / p. 1045-1048
https://www.scientific.net/MSF.457-460.1045

Numerical study of turn-off phenomenon in complementary 4H-SiC JBS rectifiers
Rang, Toomas; **Kurel, Raido**; Higelin, G. BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 47-50 : ill

Numerical two-carrier simulation of the M-S (Schottky) structures

Rang, Toomas Research report : System Theory Laboratory of Electrical Engineering, University of the Saarland 1985 / s. 62

Näidisülesanded. Test : abimaterjal ainele "Mikroelektroonika"
2003 http://www.ester.ee/record=b1766976*est

Odavaid LEDe tasub vältida : [TTÜ Thomas Johann Seebecki elektroonikainstituudis võeti luubi alla valgusdioodide ehk LEDide karakteristikud, tulemusi tutvustab instituudi direktor professor Toomas Rang]
Rang, Toomas; Aru, Erik Mente et Manu 2012 / lk. 8 : fot https://www.ester.ee/record=b1242496*est

One-dimensional numerical simulation of complementary power Schottky structures
Rang, Toomas IEE proceedings. Part I Solid-state and electron devices 1985 / p. 253-256

Open source hardware cost-effective imaging sensors for high-throughput droplet microfluidic systems
Pärnamets, Kaiser; **Koel, Ants**; **Pardy, Tamas**; **Rang, Toomas** Proceedings of 26th International Conference : ELECTRONICS 2022 2022 / 6 p https://doi.org/10.1109/IEEECONF55059.2022.9810383

Optical detection methods for high-throughput fluorescent droplet microflow cytometry
Pärnamets, Kaiser; **Pardy, Tamas**; **Koel, Ants**; **Rang, Toomas**; **Scheler, Ott**; **Le Moullec, Yannick**; **Afrin, Fariha** Micromachines 2021 / art. 345, 20 p. : ill https://doi.org/10.3390/mi12030345 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical dynamics of copper-doped cadmium sulfide (CdS) and zinc sulfide (ZnS) quantum-dots core/shell nanocrystals
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas**; Nasir, Nadeem; Sabir, Nadeem; Ameen, Faheem; Rasheed, Abher Nanomaterials 2022 / art. 2277 https://doi.org/10.3390/nano12132277 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Panus eilsele teeb homme töötuks
Rang, Toomas Luup 1999 / 9, lk. 24-26 https://artiklid.elnet.ee/record=b2091983*est

A parametric framework for modelling of bioelectrical signals = Parameetriline raamistik bioelektriliste signaalide modelleerimiseks
Muhammad, Yar 2015 http://www.ester.ee/record=b4473232*est

A parametric framework for the development of bioelectrical applications : application to a bio-impedance signal simulator
Muhammad, Yar; **Annus, Paul**; **Le Moullec, Yannick**; **Rang, Toomas** Proceedings of the Estonian Academy of Sciences 2016 / p. 345-357 : ill https://doi.org/10.3176/proc.2016.4.03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Parametric simulation of SiC Schottky JBC structures
Rang, Toomas; **Kurel, Raido** Computer methods and experimental measurements for surface effects and contact mechanics VIII 2007 / p. 315-334 https://www.witpress.com/Secure/elibrary/papers/SECM07/SECM07030FU1.pdf

Phenol and methanol detector based on pristine graphene nano-sheet: a first principles study [Online resource]
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill https://doi.org/10.1109/BEC.2018.8600982

Physics related modeling of power LEDs
Paisnik, Kristo; Poppe, Andras; **Rang, Toomas**; **Rang, Galina** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 57-60 : ill

PID controller tuning optimization using genetic algorithm for droplet size control in microfluidics
Gyimah, Nafisat; **Jõemaa, Rauno**; **Pärnamets, Kaiser**; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p https://doi.org/10.1109/BEC56180.2022.9935596

Poleemiline järelsõna
Rang, Toomas Mente et Manu 2004 / 30. märts, lk. 2 https://www.ester.ee/record=b1242496*est

Polymer nanofiber deposition in lab-on-a-chip devices by electrospinning
Pardy, Tamas; **Jõemaa, Rauno**; Ender, Ferenc; **Rang, Toomas**; Hegedus, Kristof; Balogh-Weiser, Diana 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 4 p. : ill https://doi.org/10.1109/BEC49624.2020.9277494

Polytypic heterojunctions for wide bandgap semiconductor materials
Shenkin, Mikhail; **Korolkov, Oleg**; **Rang, Toomas**; **Rang, Galina** Materials characterization VII 2015 / p. 273-282 : ill

Pooljuhtstruktuuride tööpõhimõtted. Struktuuride realisatsioonid kristallis : abimaterjal ainele "Mikroelektroonika"
2003 http://www.ester.ee/record=b1782563*est

Power Stage MOSFETs Segmentation in Ripple Controlled Step-Down SMPS [Online resource]
Mihhailov, Juri; Koort, Marko; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill https://doi.org/10.1109/BEC.2018.8600960

Precision engineering and mechatronics trends in Estonia
Ajaots, Maido; **Rang, Toomas**; **Tamre, Mart** NordDesign'96 : 28.-30.8.1996, Helsinki University of Technology, Espoo, Finland : proceedings 1996 / p. 289-296: ill

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

Process development for 3D laser lithography
Kaste, N.; Filbert, A.; Mescheder, U.; **Rang, Toomas**; **Rang, Galina** High performance and optimum design of structures and materials 2014 / p. 139-150 : ill https://doi.org/10.2495/HPSM140131 Conference proceedings at Scopus Article at Scopus

Processing unit for alcohol sensor
Kasemaa, Argo; **Rang, Toomas** Proceedings of the Conference Electronics'98, 19-20 May 1998, Kaunas, Lithuania 1998 / p. 22-23

Product and manufacturing in electronics : supplementary material in the subject "Technologies of electronic circuits"
Rang, Toomas 2003 https://www.ester.ee/record=b1766953*est

Pungi-, roki- või diskotaat : [Riho Baumannist tema enda, Olavi Pihlamäe ja Toomas Rangi kommentaaridega]
Rebane, Selene-Rete; **Pihlamägi, Olavi**; **Rang, Toomas** Üliõpilasleht 2003 / lk. 2 : ill

Pöördumine Haridus- ja Teadusministri ning Riigikogu kultuurikomisjoni esimehe poole : [doktorikoolide probleemist]
Arro, Ilmar; **Kaljurand, Mihkel**; **Kallavus, Urve**; **Kübarsepp, Jakob**; **Lille, Ülo**; **Lopp, Margus**; **Mellikov, Enn**; **Min, Mart**; **Rang, Toomas**; **Rüstern, Ennu**; **Taklaja, Andres**; **Tamm, Toomas**; **Tammet, Tanel**; **Tepandi, Jaak**; **Ubar, Raimund-Johannes**; **Öpik, Andres** Mente et Manu 2005 / 18. mai. lk. 1 https://www.ester.ee/record=b1242496*est

Pöördumine Haridus- ja Teadusministri ning Riigikogu kultuurikomisjoni esimehe poole : [doktorikoolide probleemist]
Arro, Ilmar; **Kaljurand, Mihkel**; **Kallavus, Urve**; **Kübarsepp, Jakob**; **Lille, Ülo**; **Lopp, Margus**; **Mellikov, Enn**; **Min, Mart**; **Rang, Toomas**; **Rüstern, Ennu**; **Taklaja, Andres**; **Tamm, Toomas**; **Tammet, Tanel**; **Tepandi, Jaak**; **Ubar, Raimund-Johannes**; **Öpik, Andres** Tallinna Tehnikaülikooli aastaraamat 2005 2006 / lk. 430-431

Rahvusvaheline Seebecki foorum Tallinnas : [20.-24. mail 2013]
Rang, Toomas Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 303-304

Relative complex permittivity and its dependence on frequency
Giannoukos, Georgios; **Min, Mart**; **Rang, Toomas** World journal of engineering 2017 / p. 532-537 : ill https://doi.org/10.1108/WJE-01-2017-0007 Journal metrics at Scopus Article at Scopus

Ränikarbiidil põhinevate jõupooljuhtseadiste disain ja karakteriseerimine
Rang, Toomas; **Rang, Galina** Teadusmõte Eestis. 4, Tehnikateadused. 2 2007 / lk. 121-131 : ill

Self-heating phenomenon and current suppressing effect at 6H-SiC Schottky interfaces
Kurel, Raido; **Rang, Toomas** Proceedings of the 5th NEXUSPAN Workshop on Thermal Aspects in Microsystem Technology, 6-8 May 1998, Budapest, Hungary 1998 / p. 88-91 https://www.witpress.com/elibrary/wit-transactions-on-engineering-sciences/22/5010

Self-heating phenomenon and current suppressing effect at the SiC Schottky interfaces
Rang, Toomas; **Kurel, Raido** Software for electrical engineering analysis and design. IV 1999 / p. 153-162: ill
https://www.witpress.com/elibrary/wit-transactions-on-engineering-sciences/22/5010

Semiconductor based alcohol sensing element
Rang, Toomas; **Kasemaa, Argo** Proceedings of the 6th Nexuspan Workshop Microsystems Technology Activities in Baltic Region : 23-24 April, 1999, Vilnius, Lithuania 1999 / p. 82-84

SiC JBS diode symmetrical voltage doubler represented as the diffusion-welded stack
Korolkov, Oleg; **Land, Raul**; **Toompuu, Jana**; **Sleptšuk, Natalja**; **Rang, Toomas** Silicon carbide and related materials 2017 : ICSCRM 2017 : selected, peer reviewed papers from the 2017 International Conference on Silicon Carbide and related materials, September 17-22, 2017, Washington, DC, USA 2018 / p. 862–865 : ill https://doi.org/10.4028/www.scientific.net/MSF.924.862 Conference Proceedings at Scopus Article at Scopus

SiC Schottky diode for power converters
Pikkov, Mihhail; **Rang, Toomas** PEDC 2001 : Power Electronics Devices Compatibility : 2nd conference : 3-5 September 2001, Zielona Gora, Poland 2001 / p. 156-161 : ill

SiC Schottky diode for use in power convertors
Pikkov, Mihhail; **Rang, Toomas**; Pokatilov, Andrei 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 2006 / p. 245-246 : ill

SIC schottky diode rectifier bridge represented as the diffusion-welded stack
Korolkov, Oleg; **Land, Raul**; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** 11th European Conference on Silicon Carbide and Related Materials : September 25-29, 2016, Porto Carras Grand Resort, Halkidiki, Greece : [poster session] 2016 / p. 42

SIC schottky diode rectifier bridge represented as the diffusion-welded stack
Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Land, Raul**; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** Silicon Carbide and Related Materials 2016 : selected, peer reviewed papers from the 11th European Conference on Silicon Carbide and Related Materials 2016 (ECSCRM 2016), September 25-29, 2016, Halkidiki, Greece 2017 / p. 697-700 : ill https://doi.org/10.4028/www.scientific.net/MSF.897.697 Conference proceedings at Scopus Article at Scopus

SiC и GaAs диоды в устройствах силовой электроники
Blinov, Andrei; **Vinnikov, Dmitri**; **Rang, Toomas** Технічна електродинаміка : тематичний випуск : силова електроніка та енергоефективність 2012 / с. 42-46 : ил

Silicon carbide - new challenge for power semiconductor devices
Rang, Toomas; **Rang, Galina** 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 36-42 : ill

Silicon integrated circuit fabrication process modeling and simulation
Rang, Toomas; Tarnay, K.; Mizsei, Janos Periodica polytechnica. Electrical engineering = Электротехника 1980 / p. 109-113 https://www.ester.ee/record=b1198855*est

Silicon planar technology process modeling
Rang, Toomas; Tarnay, K.; Masszi, F. Test methods in electronics technology : third International Spring Seminar on Electronics Technology, May 15-18, 1979, Balatonfüred, Hungary 1979 / p. 110-120

Simple relationship between the breakdown voltage, concentration and junction depth pn diffused junctions
Rang, Toomas Physica status solidi. A, Applied research 1982 / p. K117-K119 : tab., joon https://www.ester.ee/record=b1562026*est

Simulation of deep energy traps to explain the VAC temperature dependence anomaly of diffusion welded Schottky contacts
Koel, Ants; **Rang, Toomas**; **Rang, Galina** ICSCRM2011 : Cleveland Ohio, USA, September 11-16, 2011 : abstracts 2011 / p. 340 : ill

Simulations of benzene and hydrogen-sulfide gas detector based on single-walled carbon nanotube over intrinsic 4H-SiC substrate
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas**; **Ziko, Mehadi Hasan** Micromachines 2020 / art. 453, 13 p. : ill https://doi.org/10.3390/mi11050453 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simulations of graphene nanoribbon field effect transistor for the detection of propane and butane gases : a first principles study
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Nanomaterials 2020 / art. 98 https://doi.org/10.3390/nano10010098 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simulations of heterostructures based on 3C-4H and 6H-4H silicon carbide polytypes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon carbide and related materials 2017 : ICSCRM 2017 : selected, peer reviewed papers from the 2017 International Conference on Silicon Carbide and related materials, September 17-22, 2017, Washington, DC, USA 2018 / p. 302-305 : ill https://doi.org/10.4028/www.scientific.net/MSF.924.302 Conference Proceedings at Scopus Article at Scopus

Simulations of propane and butane gas sensor based on pristine armchair graphene nanoribbon
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** IOP conference series : materials science and engineering 2018 / art. 012001, 8 p https://doi.org/10.1088/1757-899X/362/1/012001 Conference proceedings at Scopus Article at Scopus Article at WOS

A smart capless voltage regulator for very high bandwidth A/D and D/A converters in a standard 28nm CMOS process
Kampus, Vahur; **Rang, Toomas** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 43-46 : ill http://www.ester.ee/record=b2150914*est

Some comparative properties of diffusion-welded contacts to 6H and 4H silicon carbide
Korolkov, Oleg; **Rang, Toomas** Silicon Carbide and Related Materials 2001 : ICSCRM2001 : proceedings of the International Conference on Silicon Carbide and Related Materials 2001, Tsukuba, Japan, October 28 - November 2, 2001. Part 2 2002 / p. 941-944 : ill

Some of comparative properties of diffusion welded contacts to 6H- and 4H-silicon carbide
Korolkov, Oleg; **Rang, Toomas** International Conference on Silicon Carbide and Related Materials 2001 - ICSCRM2001 - October 28-November 2, 2001 (Epochal Tsukuba, Ibaraki, Japan) : technical digest 2001 / p. 625-626 : ill https://www.researchgate.net/publication/250340293_Some_Comparative_Properties_of_Diffusion-Welded_Contacts_to_6H_and_4H_Silicon_Carbide

Szilicium planar technologiai eljaras szamitögepes stimulacioja
Rang, Toomas; Tarnay, K.; Masszi, F. Finommechanika, mikrotechnika: az Optikai, Akusztikai és Filmtechnikai Egyesület, a Híradástechnikai Tudományos Egyesület és a Méréstechnikai és Automatizálási Tudományos Egyesület lapja 1979 / p. 257-260

Static and dynamic behavior of the SiC complementary JBS structures
Kurel, Raido; **Rang, Toomas** 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 2006 / p. 59-62 : ill

Status quo in Estonian electronics industry?
Rang, Toomas; **Tamm, Uljas** BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 585-591: ill https://www.ester.ee/record=b2150914*est

Steady state analysis of the commutating LC filter based dual active bridge for the isolation stage of power electronic transformer [Electronic resource]
Beldjajev, Viktor; **Rang, Toomas**; **Zakis, Janis** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 138-143 : ill [CD-ROM]

Study of surface defects in 4H-SiC Schottky diodes using a scanning Kelvin probe
Mizsei, Janos; **Korolkov, Oleg**; **Toompuu, Jana**; **Rang, Toomas** The 9th European Conference on Silicon Carbide and Related Materials : abstract book : St. Petersburg Russia, 2-6 September, 2012 2012 / 2 p. : ill

Study of surface defects in 4H-SiC Schottky diodes using a scanning Kelvin probe
Mizsei, Janos; **Korolkov, Oleg**; **Toompuu, Jana**; **Mikli, Valdek**; **Rang, Toomas** Silicon Carbide and Related Materials 2012 : selected peer reviewed papers from the 9th European Conference on Silicon Carbide and Related Materials (ECSCRM 2012), September 2-6, 2012, St. Petersburg, Russian Federation 2013 / p. 677-680 : ill https://doi.org/10.4028/www.scientific.net/MSF.740-742.677 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Subcontact layers in LPE structures for forming the ohmic contacts on GaAs semiconductor substrates
Korolkov, Oleg; **Voitovitš, Viktor**; **Rang, Toomas** Abstract book of 13th American Conference on Crystal Growth and Epitaxy : August 12-16, 2001, Burlington, Vermont, USA 2001 / p. 133

Sulle, abiturient! : Üliõpilaste vastuvõtt 1991. a
Rang, Toomas Tehnikaülikool 1991 / 25. apr., lk. 1-2

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

Tartu diooditegija trügib ainulaadse tehnoloogiaga maailmaturule : [firma Clifton nõukogu liikme Toomas Rangi kommentaariga]
Paris, Krister; Aru, Erik; **Rang, Toomas** Põhjarannik 2005 / 23. märts, Ärileht, lk. 3

Tehnikateadused. Elektrotehnika
Rang, Toomas Eesti entsüklopeedia. 11, Eesti üld 2002 / lk. 500

Tehnikaülikool võitis EL hanke eurode tuvastamiseks : [intervjuu TTÜ elektroonikainstituudi direktori Toomas Rangiga ja

professor Mart Min'iga]
Rang, Toomas; **Ummelas, Mart**; **Min, Mart** Mente et Manu 2008 / 30. jaan., lk. 3 https://artiklid.elnet.ee/record=b1118469*est

Tehnikaülikooli rektori järjekordsed valimised, ehk, Kuidas paistavad järgmise rektori ülesanded "altpoolt" vaadatuna
Rang, Toomas Tehnikaülikool 1999 / 22. nov., lk. 4-7: portr

Temperature effects in alloy metal and 6H-SiC substrate Schottky contacts caused by the current suppressing effect
Rang, Toomas; Blum, Alfons Proceedings of the International Conference and Exhibition Micro Materials : MicroMat '97, April 16-18, 1997, Berlin, Germany 1997 / p. 591-596

Temperature influence on current suppressing effect in SiC Schottky diode
Kurel, Raido; **Rang, Toomas** Abstracts of the 3rd International Conference and Exhibition Micro Materials : MicroMat2000 : April 17-19, 2000, Berlin, Germany 2000 / p. 217-218

Temperature influence on current suppressing effect in SiC Schottky diode
Kurel, Raido; **Rang, Toomas** Proceedings of the 3rd International Conference and Exhibition Micro Materials : MicroMat2000 : April 17-19, 2000, Berlin, Germany 2000 / p. 1208-1209

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

The basic parameters of diffusion welded Al Schottky contacts to p- and n-SiC
Korolkov, Oleg; Ruut, Jana; Kuznetsova, Natalja; **Rang, Toomas** Silicon Carbide and Related Materials 2003 2004 / p. 857-860 https://doi.org/10.4028/www.scientific.net/MSF.457-460.857

The basic Schottky parameters for combined diffusion welded and sputter metal contacts
Kuznetsova, Natalja; **Korolkov, Oleg**; **Rang, Toomas**; **Pikkov, Mihhail** 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 2006 / p. 47-50 : ill

The d.c. modeling of I²L with the non-linear circuit analysis program TRANZ-TRAN
Rang, Toomas Periodica polytechnica. Electrical engineering = Электротехника 1981 / p. 103-114 : joon https://www.ester.ee/record=b1198855*est https://pp.bme.hu/ee/article/view/4771/3876

The dependence of reverse recovery time on barrier capacitance and series on-resistance in Schottky diodes
Veher, Oleksandr; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Korolkov, Oleg**; **Rang, Toomas** Materials and contact characterisation VIII 2017 / p. 15-22 : ill https://doi.org/10.2495/MC170021 Conference proceedings at Scopus Article at Scopus

The electrotechnical and electronics industry
Rang, Toomas Technology policy for improving competitiveness of Estonian industries 1996 / p. 60-65

The measurement and tuning of SiC diode voltage doubler represented as diffusion-welded stack [Online resource]
Toompuu, Jana; **Sleptšuk, Natalja**; **Land, Raul**; **Korolkov, Oleg**; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill https://doi.org/10.1109/BEC.2018.8600963

The permeable base transistor
Koel, Ants; Nilsson, H.H.; Masszi, F.; **Rang, Toomas** BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 287-290: ill

The Schottky parameter test for combined diffusion welded and sputter large area contacts
Korolkov, Oleg; **Kuznetsova, Natalja**; **Rang, Toomas**; Syrkin, A.; Dmitriev, V. Silicon carbide and related materials 2007 / p. 737-740 https://www.scientific.net/MSF.556-557.737

The specificity of solid-phase interaction of aluminium with silicon carbide in the manufacture of diffusion-welded contacts to semiconductor devices
Sleptšuk, Natalja; **Korolkov, Oleg**; **Toompuu, Jana**; **Rang, Toomas**; **Mikli, Valdek** Elektronika ir elektrotechnika = Electronics and electrical engineering 2012 / p. 45-48 : ill https://eejournal.ktu.lt/index.php/elt/article/view/2610

Thermal analysis of a disposable, instrument-free DNA amplification lab-on-a-chip platform
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek Sensors 2018 / art. 1812, 13 p. : ill https://doi.org/10.3390/s18061812 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Artice at WOS

Toode ja tootmine elektroonikas : abimaterjal ainele "Elektroonikaskeemide tehnoloogiad"
2003 http://www.ester.ee/record=b1766950*est

TRANZ-TRAN : mittelineaarsete skeemide analüüsi programm : kasutusjuhend
1983 https://www.ester.ee/record=b1255945*est

TRANZ-TRAN mittelineaarsete skeemide analüüsi programm : kasutusjuhend
1986 https://www.ester.ee/record=b1205915*est

TRANZ-TRAN mittelineaarsete skeemide analüüsi programm : mudelite kirjeldus ja parameetrite määramine
1986 https://www.ester.ee/record=b1205916*est

Tunne kolleegi. Enn Velmre : [intervjuu Enn Velmrega]
Velmre, Enn; **Rang, Toomas**; **Haldre, Eero**; **Oras, Anne**; **Min, Mart** Avaja 2003 / lk. 3 : fot

Two dimensional modeling of the shunted emitter area for power shepistors
Rang, Toomas; **Saul, Indrek** Modeling, Simulation and Control 1989 / p. 29-39

Two dimensional modelling of alloy metal Schottky contacts to 6H-SiC substrate
Rang, Toomas; Blum, Alfons Proceedings of the ELECTROSOFT 96, May 28-30, San-Miniato, Italy 1996 / p. 347-356

Vaimust, võimust, traditsioonidest ja internetipõhisest õppest: oma mõtteid ja laenatud tarkust
Rang, Toomas Mente et Manu 2004 / 27. jaan., 10. veebr., 20. veebr., 9. märts, lk. 2 https://artiklid.elnet.ee/record=b1341909*est

Vanamoodi enam ei saa, uutmoodi veel ei oska
Rang, Toomas Profit 2005 / 4, lk. 22 : portr

Võta või jäta!
Rang, Toomas Mente et Manu 2010 / lk. 2 : fot. ; 12. veebr., lk. 3 : fot https://www.ester.ee/record=b1242496*est

Väikesed interpretatsioonid pärastlõunaks
Rang, Toomas A & A 2004 / 3, lk. 4-6 https://artiklid.elnet.ee/record=b1015743*est

Ökonoomsete negatiivse diferentsiaaltakistusega astmete ja elementide disainimine ja optimeerimine
Taniloo, Rainer 2005 https://www.ester.ee/record=b2073482*est

Überblick der Situation in der Deutschen Elektronik- und Informatikindustrie
Rang, Toomas Automation, simulation & measurement : ASM'91 : 3rd biennal conference, Tallinn, October 7-11, 1991. Section S / Tallinn Technical University 1992 / S. 11-25: Ill

Ülikool ootab ettevõtlikust, efektiivsust ja edukust
Rang, Toomas Mente et Manu 2015 / lk. 8-9 : fot https://artiklid.elnet.ee/record=b2725557*est

Аналитико-численная модель для исследования стационарного непроводящего состояния силовых тиристоров
Velmre, Enn; **Rang, Toomas** Расчет и проектирование измерительных преобразователей 1983 / с. 57-67 : ил
https://www.ester.ee/record=b1288985*est https://digikogu.taltech.ee/et/Item/4e3815a3-f217-4ae2-9776-1b5ea3c25959

Зависимость подвижности электронов и дырок от температуры и концентрации примеси в кремнии
Rang, Toomas; **Velmre, Enn** Анализ и моделирование технических устройств и систем АСУТП 1977 / с. 115-120 : илл
https://www.ester.ee/record=b2190987*est https://digikogu.taltech.ee/et/Item/b7c66054-0b4f-4684-9453-442bc7e6e200

Инженерное обеспечение САПР элементов РЭА
Rang, Toomas Численные методы и средства проектирования и испытания элементов РЭА : тезисы докладов. Том 1 1987 / с. 13-23 : ил https://www.ester.ee/record=b1273986*est

К расчету максимального напряжения переключения p-n-p-n-структуры
Velmre, Enn; **Rang, Toomas** Анализ и моделирование технических устройств и систем АСУТП 1977 / с. 121-126 : илл
https://www.ester.ee/record=b2190987*est https://digikogu.taltech.ee/et/Item/b7c66054-0b4f-4684-9453-442bc7e6e200

Компараторы с обратной связью
Gallai, S.; **Rang, Toomas** Машинное проектирование электронных устройств и систем 1988 / с. 92-104

Комплексный подход к системам проектирования элементов полупроводниковой и интегральной электроники
Rang, Toomas Машинное проектирование электронных устройств и систем 1988 / с. 149-165

Коэффициенное ударное ионизацеи носителей заряда в <100> арсениде галлия

Rang, Toomas; **Puusepp, Märt** Электронная техника. Серия 2, Полупроводниковые приборы : научно-технический сборник 1987 / с. 98-100 https://www.ester.ee/record=b2160501*est

Критические параметры эквивалентных моделей полупроводниковых приборов
Rang, Toomas Моделирование и управление в системах технической кибернетики 1987 / с. 72-76

Лавинное размножение носителей в кремниевых арсенид-галлиевых и фосфидиндиевых дополнительных PN-переходах
Rang, Toomas; **Velmre, Enn** Расчет и проектирование систем технической кибернетики 1984 / с. 3-13

Машинное моделирование цепи питания, обеспечивающей инжекторный ток для И²Л схем
Rang, Toomas Расчет и проектирование приборов, устройств и систем технической кибернетики 1981 / с. 15-19 : илл
https://www.ester.ee/record=b1319172*est https://digikogu.taltech.ee/et/Item/4c9b1559-97b9-4d9b-bac8-6c40840ba442

Моделирование концентрации носителей заряда в полупроводниках
Rang, Toomas Исследования по прикладной квантовой электронике 1987 / с. 26-36

Моделирование подвижностей носителей. 1, Рассеивание на акустических фононах и на нейтральной и ионизированной примеси
Rang, Toomas Анализ и синтез сложных систем и цепей с помощью ЭВМ 1986 / с. 103-116

Моделирование подвижностей носителей. 2, Рассеивание на носителях и поверхности, эффект насыщения дрейфовой скорости носителей
Rang, Toomas Анализ и синтез сложных систем и цепей с помощью ЭВМ 1986 / с. 117-130

Моделирование технологического процесса кремниевых силовых полупроводниковых приборов на ЭВМ
Rang, Toomas; **Velmre, Enn** Синтез и диагностика цифровых устройств и систем 1982 / с. 107-112 : илл
https://www.ester.ee/record=b1328194*est https://digikogu.taltech.ee/et/Item/febd586e-d7fa-4fbd-bf41-40576a75f94b

Моделирование транспортных уравнений в полупроводниках
Rang, Toomas Исследования по прикладной квантовой электронике 1987 / с. 37-42

Модель ключа на базе ВТСП
Rang, Toomas; **Koel, Ants** Tallinna Tehnikaülikooli Toimetised 1990 / lk. 109-116: ill

Модель межсоединений/линии передачи на базе ВТСП
Orro, S.; **Rang, Toomas** Tallinna Tehnikaülikooli Toimetised 1990 / lk. 103-108

Нелинейная зарядовая модель тиристора
Rang, Toomas Измерение и моделирование в электронике 1987 / с. 94-100

Нелинейная модель тиристора для программы анализа цепей
Rang, Toomas Проблемы моделирования и измерения в электронике 1986 / с. 13-19

Низкотемпературный отжиг слаболегированных 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

Программа определения параметров "OPTI"
Rang, Toomas Проблемы моделирования и измерения в электронике 1986 / с. 21-26

Радиотехника
Umborg, Jaak; **Hinrikus, Hiie**; **Meigas, Kalju**; **Zahharov, Boriss**; **Taklaja, Andres**; **Rang, Toomas**; Manak, I.S.; Lissenkova, A.M.; Bondarenko, A.N.; Falkova, N.V.; **Krusell, Urmas** 1987 https://www.ester.ee/record=b1273963*est

Расчет туннельного тока в переходах металл - полупроводник
Rang, Toomas Расчет и проектирование измерительных преобразователей 1983 / с. 69-74 : ил
https://www.ester.ee/record=b1288985*est https://digikogu.taltech.ee/et/Item/4e3815a3-f217-4ae2-9776-1b5ea3c25959

Специализированные базы данных для программных средств моделирования и анализа элементов твердотельной электроники
Orro, S.; **Rang, Toomas** Машинное проектирование электронных устройств и систем 1989 / с. 20-24

Сравнение разных методов оптимизации

Rang, Toomas Моделирование и управление в системах технической кибернетики 1987 / с. 77-84

Численное моделирование pn-структур с двойной фаски с помощью программы "FAAS"
Rang, Toomas; **Nurste, Ivar** Измерение и моделирование в электронике 1987 / с. 89-93

Численное моделирование диода шоттки на ЭВМ
Rang, Toomas; **Udal, Andres** Проблемы моделирования полупроводниковых структур и сложных схем на ЭВМ 1982 / с. 21-31 : ил https://www.ester.ee/record=b1339926*est https://www.etera.ee/zoom/121726/view?page=3&p=separate&search=true&tool=search

Численное моделирование мощных диодов Шоттки на ЭВМ
Rang, Toomas; **Udal, Andres** Известия высших учебных заведений : международный ежемесячный научно-технический журнал. Радиоэлектроника 1983 / с. 92-93 https://www.ester.ee/record=b2768571*est

Численное моделирование технологического процесса изготовления полупроводниковых приборов. Модель диффузии
Nobel, Peter XXVII студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 19-21 апреля 1983 г. : тезисы докладов. Часть 3 1983 / с. 14 https://www.ester.ee/record=b1571572*est

Численное моделирование технологического процесса полупроводниковых приборов
Rang, Toomas Проблемы моделирования полупроводниковых структур и сложных схем на ЭВМ 1982 / с. 33-37 https://www.ester.ee/record=b1339926*est https://www.etera.ee/zoom/121726/view?page=3&p=separate&search=true&tool=search

Электротехника и автоматика
Laansoo, Ants; **Aarna, Olav**; **Metsanurm, Margus**; **Teder, Toomas**; **Kiitam, Andres**; **Saks, Eva**; **Land, Raul**; **Min, Mart**; **Remmel, Ülo**; **Ronk, Ants**; **Rang, Toomas** 1987 https://www.ester.ee/record=b1221893*est

Электротехника и автоматика
Kukk, Vello; **Tamm, Uljas**; **Pikkov, Otto**; **Min, Mart**; **Velmre, Enn**; **Udal, Andres**; **Nurste, Ivar**; **Freidin, Boris**; **Rang, Toomas**; **Opotski, Aleksei**; **Laansoo, Ants**; **Männama, Vello**; **Järvalt, Aldur**; **Gurjanov, Boris**; **Lavrov, Mihhail**; Belkina, I.I.; **Plakk, Paul**; **Plakk, Peeter**; Plakk, T. 1987 https://www.ester.ee/record=b1224910*est

Электротехника и автоматика
Rüstern, Ennu; **Keevallik, Andres**; **Kruus, Margus**; **Salum, Kaja**; **Berkman, Boriss**; **Tammemäe, Kalle**; **Alango, Villem**; **Kont, Toomas**; **Ubar, Raimund-Johannes**; Lohuaru, Tõnu; Štraube, B.; Elst, G.; Bombik, B.; **Viies, Vladimir**; Gallai, S.; **Rang, Toomas**; **Laansoo, Ants**; **Männama, Vello**; **Pikkov, Otto**; **Gurjanov, Boris**; **Opotski, Aleksei**; **Velmre, Enn** 1988 https://www.ester.ee/record=b1256708*est

Электротехника и автоматика
Mägi, Harri; **Velmre, Enn**; **Pikkov, Mihhail**; Orro, S.; **Rang, Toomas**; **Gurjanov, Boris**; **Kruus, Margus**; **Salum, Kaja**; **Berkman, Boriss**; **Keevallik, Andres**; **Kasirova, Lilia**; **Kruus, Margus**; **Ellervee, Peeter**; **Ubar, Raimund-Johannes**; **Grigorjeva, Ksenja**; **Kont, Toomas** 1989 https://www.ester.ee/record=b1285446*est

Электротехника и автоматика
Ubar, Raimund-Johannes; **Rang, Toomas**; **Velmre, Enn**; **Evartson, Teet**; Voolaine, A.; **Toome, Tõnis**; **Viilup, Agu**; **Sudnitsõn, Aleksander**; **Berkman, Boriss**; **Rüstern, Ennu**; **Leis, Paul**; **Keevallik, Andres**; **Kruus, Margus**; Jüris, A. 1984 https://www.ester.ee/record=b1549179*est

Электротехника и автоматика
Kukk, Vello; Tarnay, K.; Szekely, V.; Baji, P.; Farkas, G.; Masszi, F.; Kerecsen-Rencz, M.; **Rang, Toomas**; **Plakk, Paul**; **Plakk, Peeter**; Plakk, T.; **Gurjanov, Boris**; **Männama, Vello**; **Laansoo, Ants**; **Pikkov, Otto**; Rudski, V.A.; **Kõverik, Kait** 1986 https://www.ester.ee/record=b1296007*est

Электротехника и автоматика
Mägi, Harri; **Rüstern, Ennu**; **AArna, Olav**; **Kiitam, Andres**; **Land, Raul**; **Min, Mart**; **Ronk, Ants**; **Parve, Toomas**; **Rang, Toomas**; Mahhitko, V.P.; Šendrik, M.G.; **Tamm, Boris, inform.** 1986 https://www.ester.ee/record=b1296468*est