

A new high power factor single-phase diode rectifier with optimum ripple-power conversion

Sakkos, Tiiu; Sarv, Vello 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. 229-232 : ill

A new high power factor three-phase diode rectifier using zero-sequence inductance in the third-harmonic filter

Sakkos, Tiiu; Sarv, Vello The 4th International Conference Electric Power Quality and Supply Reliability : August 29...31, 2004, Pedase, Estonia : proceedings 2004 / p. 67-70 : ill

A new low-distorting single-phase diode rectifier employing optimum ripple-power conversion

Sakkos, Tiiu; Sarv, Vello 5th International Conference : Electric Power Quality and Supply Reliability : August 23-26, 2006, Viimsi, Estonia : conference proceedings 2006 / p. 23-26 : ill

A new low-distorting three-phase diode rectifier employing optimum ripple power control

Sakkos, Tiiu; Sarv, Vello 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / p. 94-96 : ill

https://www.researchgate.net/publication/4196868_A_new_low-distorting_three-phase_diode_rectifier_employing_optimum_ripple_power_control

A power fast reverse turn-on diode thyristor ТБР143

Graujnis, V.; Kovrov, A.; Kuzmin, V.; Hanstlin, R.; Toomla, O. Automation, simulation & measurement : ASM'91 : 3rd biennal conference, Tallinn, October 7-11, 1991. Section S / Tallinn Technical University 1992 / p. 132-138: ill

A trap detector for precise measurements of optical radiation power

Kübara, Toomas; Kärhä, Petri BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 195-200: ill

A unity-power factor three-phase diodeelements

Sakkos, Tiiu; Sarv, Vello PEDC'99 : International Workshop on Power Electronics Equipment for Power Quality Improvement : Slubice, 1999 1999 / p. 72-85

Active power factor correction of diode rectifiers using output filters with diode-switched and harmonic-resonant stages [Electronic resource]

Sakkos, Tiiu; Sarv, Vello 8th European Conference on Power Electronics and Applications : EPE'99 : 7-9 September, EPFL Lausanne, Switzerland 1999 / [10] p. : ill [CD-ROM]

An efficient switched-inductor filter for single-phase diode rectifiers

Sakkos, Tiiu; Sarv, Vello Baltic electrical engineering review 1998 / 1, p. 25-29: ill

An improved high power factor three-phase diode rectifier employing zero-sequence inductance and ripple power re-rectification

Sakkos, Tiiu; Sarv, Vello; Bolgov, Viktor 3rd International Workshop Compatibility in Power Electronics : CPE 2003 : 28-30 May 2003, Gdańsk - Zielona Góra, Poland 2003 / p. 124-126 : ill

An improved high power factor three-phase diode rectifier employing zero-sequence inductance and ripple power re-rectification [Electronic resource]

Sakkos, Tiiu; Sarv, Vello; Bolgov, Viktor 3rd International Workshop Compatibility in Power Electronics : CPE 2003 : 28-30 May 2003, Gdańsk - Zielona Góra, Poland 2003 / p. 187-190 : ill. [CD-ROM]

Blood flow detection with diode laser

Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus Medical physics 2000 / 6, [CD-ROM], Digest of Papers of the 2000 World Congress on Medical Physics and Biomedical Engineering and [...] : Chicago 2000 : July 23-28, 2000, Chicago's Navy Pier, [3] p. : ill

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 the throughput beam of a ten-photodiode transmission trapdetector

Kübara, Toomas; White, Malcolm Metrologia 2011 / p. 359-364 : ill <https://iopscience.iop.org/article/10.1088/0026-1394/48/5/017/meta>

A CMOS constant-gm rail-to-rail input stage using a new electronic zener diode

Yu, Chong-Gun; Park, Jong-Tae BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9,

1998, Tallinn, Estonia : proceedings 1998 / p. 79-82: ill

Compact two-element transmission trap detector for 1550 nm wavelength

Vaigu, Aigar; Kübarsepp, Toomas; Manoocheri, Farshid Measurement science and technology 2015 / p. 1-6 : ill

Comparative results of low temperature annealing of lightly doped n-layers of silicon carbide irradiated by protons and electrons

Kozlovski, Vitali V.; Korolkov, Oleg; Lebedev, Alexander A.; Toompuu, Jana; Sleptsuk, Natalja 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 2020 / p. 231-236 <https://doi.org/10.4028/www.scientific.net/MSF.1004.231> Conference Proceedings 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 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

Degradation of 600-V 4H-SiC Schottky diodes under irradiation with 0,9 MeV electrons

Lebedev, Alexander A.; Davydovskaja, K. S.; Kozlovski, Vitali V.; Korolkov, Oleg; Sleptsuk, Natalja; Toompuu, Jana 11th European Conference on Silicon Carbide and Related Materials : September 25-29, 2016, Porto Carras Grand Resort, Halkidiki, Greece : [poster session] 2016 / p. 49

Dimensional accuracy for multi-element photodetector

Dhoska, Klodian; Vabson, Viktor; Hermaste, Aigar; Kübarsepp, Toomas Proceedings of NEWRAD 2014 2014 / p. 352 : ill

DLTS measurements on 4H-SiC JBS-diodes with boron implanted local p-n junctions

Ivanov, Pavel; Korolkov, Oleg; Samsonova, Tatyana; Sleptsuk, 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_implemented_local_p-n_junctions

Dynamic characteristic evaluation of a 600V reverse blocking IGBT device

Korkh, Oleksandr; Blinov, Andrei Advances in Information, Electronic and Electrical Engineering (AIEEE) : proceedings of the 5th IEEE Workshop, November 24-25, 2017, Riga, Latvia 2018 / p. 1-5 : ill <https://doi.org/10.1109/AIEEE.2017.8270527>

Efficient two-stage active filters for power factor correction of diode rectifiers

Sakkos, Tiiu; Sarv, Vello PEMC'98 : 8th International Power Electronics & Motion Control Conference : Prague, Czech Republic, 8-10 September, 1998 : proceedings 1998 / p. 7-1 - 7-6: ill

Electro-thermal simulations and forward surge current failure prediction for SiC diodes

Velmre, Enn; Udal, Andres Program of 17th Nordic Semiconductor Meeting, Trondheim, Norway, June 17-20, 1996 1996 / p. 28

Esimene sõprus takisti ja dioodiga

Sinivee, Veljo Horisont 2008 / 1, lk. 47-49 : ill https://artiklid.elnet.ee/record=b2041444*est

Evaluation of high power factor three-phase diode rectifiers with parallel-resonant input filters

Sakkos, Tiiu; Sarv, Vello The 3rd International Conference Electric Power Quality and Supply Reliability, September 4...6, 2002, Haapsalu, Estonia : proceedings 2002 / p. 76-79 : ill

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

Fault diagnosis of output-side diode-bridge in isolated DC-DC series resonant converter

Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 <https://doi.org/10.1109/ENERGYCON53164.2022.9830339>

High power factor AC-DC diode interfaces for drive systems with a voltage-source inverter using optimum re-rectification of the ripple power

Sakkos, Tiiu; Sarv, Vello ELECTROMOTION '99 : 3rd International Symposium on Advanced Electromechanical Motion Systems : July 8-9, 1999, Patras, Greece : proceedings. Vol. II 1999 / p. 619-624 : ill

High power factor single- and three-phase diode rectifiers using parallel re-rectification of the ripple power

Sakkos, Tiiu; Sarv, Vello The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 199-202 : ill

High quality LPE GaAs power diodes with DLTS method

Rang, Toomas Public service review : European Union 2009 / p. 423

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-attenuation tunnel-type detector for calibration of single-photon devices

Kübarsepp, Toomas; Pokatilov, Andrei; Vabson, Viktor; Dhoska, Klodian Proceedings of NEWRAD 2014 2014 / p. 115-116 : ill

High-sensitivity compact moving particles detector with an external-cavity laser diode

Meigas, Kalju Tallinna Tehnikaülikooli Toimetised 1994 / lk. 82-88: ill

Improved high-power-factor three-phase diode rectifiers using ripple-power re-rectification

Sakkos, Tiiu; Sarv, Vello; Järvik, Jaan 9th European Conference on Power Electronics and Applications : 27-29 August 2001, Graz, Austria 2001 / p. DS3.1-1 : ill

Improved high-power-factor three-phase diode rectifiers using ripple-power re-rectification [Electronic resource]

Sakkos, Tiiu; Sarv, Vello; Järvik, Jaan EPE 2001 : 9th European Conference on Power Electronics and Applications : 27-29 August 2001, Graz 2001 / [9] p. : ill. [CD-ROM]

Influence of the proton irradiation temperature on the characteristics of high-power high-voltage silicon carbide schottky diodes

Kozlovski, Vitali V.; Korolkov, Oleg; Davydovskaya, Klavdia S.; Lebedev, Alexander A.; Levinshtein, Michael E.; Sleptšuk, Natalja; Strel'Chuk, Anatolii M.; Toompuu, Jana Technical Physics Letter 2020 / p. 287 - 289 <https://doi.org/10.1134/S1063785020030244>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Vel'mre, Enn; Udal, Andres Silicon carbide and related materials 2006 2007 / p. 375-378

https://www.researchgate.net/publication/250348987_Investigation_of_Charge_Carrier_Lifetime_Temperature-Dependence_in_4H-SiC_Diodes

Investigation of P-i-n GaAs structures by DLTS method : the deep level transient spectroscopy in application to GaAs p-i-n structures for identification of deep levels

Toompuu, Jana 2010 <https://www.amazon.com/Investigation-p-i-n-GaAs-structures-method/dp/383839223X>

Investigation of silicon carbide diode structures via numerical simulations including anisotropic effects

Vel'mre, Enn; Udal, Andres; Masszi, F.; Nordlander, E. Simulation of semiconductor devices and processes. Vol. 6 1995 / p. 340-343: ill https://link.springer.com/chapter/10.1007/978-3-7091-6619-2_83

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 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

Leakage currents in 4H-SiC JBS diodes

Ivanov, Pavel; Korolkov, Oleg; Sleptšuk, Natalja Semiconductors 2012 / p. 397-400 : ill

<https://link.springer.com/article/10.1134/S106378261203013X>

LPE technology for power GaAs diode structures

Voitovitš, Viktor; Rang, Toomas; Rang, Galina Estonian journal of engineering 2010 / 1, p. 11-22 : ill

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

Udal, Andres; Vel'mre, Enn Proceedings of the International Conference on Silicon Carbide and Related Materials - 1999 (ICSCRM'99) : Research Triangle Park, North-Carolina, USA, Oct. 10-15, 1999. Vol. 1 2000 / p. 781-784
<https://www.scientific.net/MSF.338-342.781>

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

Vel'mre, 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

SiC_Power_Diodes

An MPPT algorithm for PV systems based on a simplified photo-diode model

Restrepo, Carlos; Gonzalez-Castano, Catalina; Munoz, Javier; **Chub, Andrii**; Vidal-Idiarte, Enric; Giral, Roberto IEEE Access 2021 / p. 33189-33202 <https://doi.org/10.1109/ACCESS.2021.3061340> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

New active diode-switched transformer filters to improve power factor of three-phase diode rectifiers with capacitive smoothing

Sakkos, Tiiu; Sarv, Vello Proceedings of the Estonian Academy of Sciences. Engineering 1997 / 3, p. 158-170: ill

A new low-distorting three-phase diode rectifier employing optimum ripple power control [Electronic resource]

Sakkos, Tiiu; Sarv, Vello Proceedings of 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / [6] p. : ill. [CD-ROM] https://www.researchgate.net/publication/4196868_A_new_low-distorting_three-phase_diode_rectifier_employing_optimum_ripple_power_control

New unity power factor diode rectifiers using ripple-power re-rectification

Sakkos, Tiiu; Sarv, Vello Eighth International Conference on Power Electronics and Variable Speed Drives : 18-19 September 2000 2000 / p. 378-381 : ill <https://ieeexplore.ieee.org/document/888953>

Non-destructive eddy current measurements 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 simulation of a silicon carbide diode

Velmre, Enn; Udal, Andres BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 559-566: ill https://www.ester.ee/record=b2150914*est

Numerical simulations for reverse recovery process investigations of LPE GaAs power diodes

Koel, Ants; Rang, Toomas; Voitovits, 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 simulations of wideband SiC N-N heterostructure diode

Patankar, Udayan Sunil; Koel, Ants; Pardy, Tamas LAEDC 2020 : Latin American Electron Devices Conference, San José, Costa Rica, February 25-28, 2020 2020 / 4 p <https://doi.org/10.1109/LAEDC49063.2020.9073489>

A numerical transient analysis of a bulk-barrier diode

Udal, Andres Solid state electronics : an international journal 1983 / p. 1130-1131 https://www.ester.ee/record=b1202249*est

Optical Self-mixing in a diode laser as a method for no touch pulse measurement

Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : final programme and abstracts of papers 1998 / p. 184

Optical Self-mixing in a diode laser as a method for no touch pulse measurement

Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : [proceedings : CD-ROM] 1998 / [6] p. : ill

Optimization of the alignment position for SPAD-detector calibration

Dhoska, Klodian; Hofer, Helmuth; Lopez, Marco; Kübarsepp, Toomas; Kück, Stefan Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 201-202 : ill

Performance improvement method for the voltage-fed qZSI with continuous input current

Vinnikov, Dmitri; Roasto, Indrek; Strzelecki, Ryszard; Adamowicz, Marek MELECON 2010 : the 15th IEEE Mediterranean Electrotechnical Conference : 25th-28th April 2010, Malta : book of abstracts 2010 / p. 135 <https://ieeexplore.ieee.org/document/5476229>

Power factor correction of single-phase diode rectifiers by a second-harmonic series-resonant filter stage

Sakkos, Tiiu; Sarv, Vello BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 223-226: ill

Power factor correction of three-phase diode rectifiers using optimum ripple-power control

Sakkos, Tiiu; Sarv, Vello EPE-PEMC 2004 : 11th International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol.5 of 7, Power supply quality, renewables, power systems and DER 2004 / p. 5-397 - 5-401 : ill

Power factor correction on three-phase diode rectifiers using ripple-power re-rectification and resonant filters

Järvik, Jaan; Sakkos, Tiiu; Sarv, Vello 48. Internationales Wissenschaftliches Kolloquium, 22.-25.09.2003, Technische Universität Ilmenau, Germany 2003 / p. 595-596 : ill

Power factor correction on three-phase diode rectifiers using ripple-power re-rectification and resonant filters [Electronic resource]

Järvik, Jaan; Sakkos, Tiiu; Sarv, Vello 48. Internationales Wissenschaftliches Kolloquium, 22.-25.09.2003, Technische Universität Ilmenau, Germany : proceedings and our portrait 2003 / [8] p. : ill. [CD-ROM]

Power quality improvement in diode rectifiers using ripple-power re-rectification and multifunctional filter elements

Sakkos, Tiiu; Sarv, Vello; Järvik, Jaan EPQU'01 : Electrical Power Quality and Utilisation : 6th International Conference : September 19-21, 2001, Cracow, Poland : proceedings 2001 / p. 333-338 : ill

Predictable quantum efficient detector I : photodiodes and design

Sildoja, Meelis; Manoocheri, Farshid; Kübarsepp, Toomas Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 227-228 : ill <https://cris.vtt.fi/en/publications/predictable-quantum-efficient-detector-i-photodiodes-and-predicte>

Predictable quantum efficient detector. I, Photodiodes and predicted responsivity

Sildoja, Meelis; Manoocheri, Farshid; Merimaa, Mikko; Ikonen, Erkki; Müller, Ingmar; Werner, Lutz; Gran, Jarle; Kübarsepp,

Toomas; Smid, Marek; Rastello, Maria Luisa Metrologia 2013 / p. 385-394 : ill <https://doi.org/10.1088/0026-1394/50/4/385>

<https://cris.vtt.fi/en/publications/predictable-quantum-efficient-detector-i-photodiodes-and-predicte> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Predictable quantum efficient detector II : characterization results

Müller, Ingmar; Brida, G.; Kübarsepp, Toomas Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 209-210 : ill

Predictable quantum efficient detector. II, Characterization and confirmed responsivity

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

Manoocheri, Farshid; Ikonen, Erkki; Gran, Jarle; Kübarsepp, Toomas; Brida, Giorgio; Werner, Lutz Metrologia 2013 / p. 395-401 : ill

<https://doi.org/10.1088/0026-1394/50/4/395> <https://www.scilit.com/publications/aacc372397c67cffa0451e026894282f> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Progress in development of the resonant tunneling diodes as promising compact sources at the THz gap bottom

Udal, Andres; Jaanus, Martin; Valušis, Gintaras; Kašalynas, Irmantas; Ikonic, Zoran; Indjin, Dragan THz for CBRN and explosives detection and diagnosis ; 2017 / p. 169-178 https://doi.org/10.1007/978-94-024-1093-8_20 Article collection metrics at Scopus Article at Scopus Article at WOS

Pulse profile registration using self-mixing in diode laser

Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain Proceedings of the 20th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 20, no. 4, Biomedical Engineering Towards the Year 2000 and Beyond : Hong Kong SAR, China, October 29-November 1, 1998 1998 / p. 1875-1878 : ill

Recent progress in development of the resonant tunneling diode sources for the critical part of THz gap

Udal, Andres; Jaanus, Martin; Valušis, Gintaras; Kašalynas, Irmantas; Ikonic, Zoran; Indjin, Dragan 4th Annual Conference of COST Action MP1204 & SMMO2016 Conference : Lisbon, Portugal, 21-24 March 2016 2016 / [1] p

Self-mixing in a diode laser as a method for coherent photodetection

Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 4, p. 307-316

SEU study of wideband heterostructure diode for particle detection

Patankar, Udayan Sunil; Koel, Ants 2021 IEEE International Conference on Consumer Electronics (ICCE) 2021 / 4 p. : ill <https://doi.org/10.1109/ICCE50685.2021.9427613> Conference Proceedings at Scopus Article at Scopus Article at WOS

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; 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 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 и GaAs диоды в устройствах силовой электроники

Blinov, Andrei; Vinnikov, Dmitri; Rang, Toomas Технічна електродинаміка : тематичний випуск : силова електроніка та енергоефективність 2012 / c. 42-46 : ил

SiC-diode 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 and reliability 1997 / 10/11, p. 1671-1674

Simulations of a predictable quantum efficient detector with PC1D

Gran, Jarle; Kübarsepp, Toomas; Sildoja, Meelis; Manoocheri, Farshid; Ikonen, Erkki; Müller, Ingmar Metrologia 2012 / p. S130-S134 : ill <https://research.aalto.fi/en/publications/simulations-of-predictable-quantum-efficient-detector-with-pc1d>

Simulations of predictable quantum efficient detector with PC1D

Gran, Jarle; Kübarsepp, Toomas; Sildoja, Meelis; Manoocheri, Farshid; Ikonen, Erkki; Müller, Ingmar Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 263-265 : ill <https://cris.vtt.fi/en/publications/simulations-of-a-predictable-quantum-efficient-detector-with-pc1d>

Simulations of wide bandgap SiC N-N heterostructure diode

Patankar, Udayan Sunil; Koel, Ants; Pardy, Tamas 2020 IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, NV, USA, January 4-6, 2020 2020 / 4 p <https://doi.org/10.1109/ICCE46568.2020.9043130>

Skin surface vibration measurement by optical self mixing in a diode laser

Meigas, Kalju; Lass, Jaanus; Kattai, Rain 8th International IMEKO Conference on Measurement in Clinical Medicine Biomedical Measurement and Instrumentation & 12th International Symposium on Biomedical Engineering, Dubrovnik, Croatia, September 16-19, 1998 : proceedings 1998 / p. 2.42-2.45: ill

Spectral properties of incoherent terahertz torch based on parabolic Ga(As,Bi)/AlGaAs quantum wells

Karaliunas, Mindaugas; Pagalys, Justas; Jakštė, Vytautas; Norkus, Ričardas; Urbanowicz, Andrzej; Devenson, Jan; Devenson, Renata; Udal, Andres; Valušis, Gintaras Terahertz Emitters, Receivers, and Applications X : SPIE Optical Engineering + Applications, 11-15 August 2019, San Diego, California, United States : proceedings SPIE digital library 2019

<https://doi.org/10.1117/12.2528428> Conference proceeding at Scopus Article at Scopus Article at WOS

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

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

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

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 experimental results of reverse recovery effects in power fastrecovery diodes analyzed by numerical model

Velmre, Enn; Udal, Andres; Vaher, G.T.; Tarma, Mati Proceedings International AEGEAN Conference on Electrical Machines and Power Electronics, Kusadasi 27-29 May, 1992 1992 / p. 738-743: fig

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 silicon photodiodes as standard detectors in optical radiometry

Veismann, Uno; Kübarsepp, Toomas; Vajakas, Toivo BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 341-342: ill

Two new high power factor single-phase diode rectifiers using optimum ripple-power conversion [Electronic resource]

Sakkos, Tiiu; Sarv, Vello EPE-PEMC 2006 : 12th International Power Electronics and Motion Control Conference : Portorož, Slovenia, August 30 - September 1, 2006 : proceedings 2006 / p. 1636-1641 : ill. [CD-ROM]

<https://ieeexplore.ieee.org/document/4778639>

Two new unity power factor three-phase diode rectifiers with ripple power re-rectification and resonant filters

Sakkos, Tiiu; Sarv, Vello BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 401-404 : ill

Very high-speed signal rectification using current conveyors

Wilson, Brett; Dodd, Alan J.; **Männama, Vello** BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 421-424: ill

X[hi]-diode for chaotic and hyperchaotic oscillators

Tamaševicius, A.; Lindberg, Erik; Mykolaitis, G.; Cenys, A.; Namajunas, A. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 75-78: ill

Временная нестабильность прохождения импульсного сигнала в системе связи на полупроводниковом лазере

Grigorjev, Jüri Исследования по прикладной квантовой электронике 1980 / с. 75-81 : илл https://www.estr.ee/record=b1264135*est
<https://digikogu.taltech.ee/et/item/f0ea9a48-f3f6-47c5-b32e-0623bc73476a>

Гетеродинирование инфракрасного излучения на МОМ диоде

Astrak, R.V.; Soonurm, T.E.; **Hinrikus, Hiie** Тезисы докладов республиканской научно-технической конференции, посвященной 80-летию со дня изобретения радио А. С. Поповым 1975 / с. 36-37 https://www.estr.ee/record=b1322122*est

Использование отрицательного сопротивления для компенсации активных потерь

Kulikov, V.; Toomet, Madis XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Электротехника и энергетика 1970 / с. 54 https://www.estr.ee/record=b1379483*est

О расчете диодного детектора с закрытым входом

Eiskop, Ilmar Труды по электротехнике и автоматике : сборник статей. [1] 1963 / с. 77-83 : илл
https://www.estr.ee/record=b2181953*est <https://digikogu.taltech.ee/et/item/c0cba674-7147-4659-abad-39f8419dd45e>

О старении электролюминесцентных диодов

Valdma, Vello; Varvas, Jüri Полупроводниковые материалы. 2 1972 / с. 113-116 : илл https://www.estr.ee/record=b1476073*est
<https://digikogu.taltech.ee/et/item/75bd57ba-4543-4614-ab7c-3230cb13e005>

Плавно изменяемая задержка на диодах с накоплением заряда

Grigorjev, Jüri; Zahharov, Boriss Теоретические основы методов и приборов измерения параметров слабых сигналов 1977 / с. 47-50 : илл https://www.estr.ee/record=b1310662*est <https://digikogu.taltech.ee/et/item/7121b5da-f4d1-474c-af67-2e0600ba0e11>

Расчет ступени нагруженной диодным детектором

Eiskop, Ilmar Труды по электротехнике и автоматике : сборник статей. 2 1964 / с. 69-75 : илл
https://www.estr.ee/record=b2181978*est <https://digikogu.taltech.ee/et/item/b53fe7c7-f8c2-4d67-895d-b1823e09c84b>

Расчет туннельного тока в переходах металл - полупроводник

Rang, Toomas Расчет и проектирование измерительных преобразователей 1983 / с. 69-74 : ил
https://www.estr.ee/record=b1288985*est <https://digikogu.taltech.ee/et/item/4e3815a3-f217-4ae2-9776-1b5ea3c25959>

Численное моделирование диодных структур с учетом Оже-рекомбинации и фотогенерации

Udal, Andres Проблемы моделирования полупроводниковых структур и сложных схем на ЭВМ 1982 / с. 3-20 : ил
https://www.estr.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.estr.ee/record=b2768571*est

Численный расчет диода с точным учётом электронно-дырочного рассеяния

Velmre, Enn; Udal, Andres Силовые быстродействующие полупроводниковые приборы : сборник статей 1984 / с. 39-43

https://www.estet.ee/record=b1238033*est

Шумы мом диода

Astrik, R.; Soonurm, T.; **Hinrikus, Hiie** Труды по радиотехнике : сборник статей. 2 1975 / с. 33-36 : илл

https://www.estet.ee/record=b2190715*est <https://digikogu.taltech.ee/et/item/7c870ec1-0e49-4f2b-a354-8e2133afce48>