

Articole în reviste din RM - [9](#). Publicații la conferințe din RM - [8](#). Publicații peste hotare - [6](#).
Publicații indexate în SCOPUS - [4](#). Teze/Rezumate în culegeri - [7](#).

2018 - 2

Detection in the contacts at low temperatures: effect of the free electron concentration on the detecting parameters

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu"

Moldavian Journal of the Physical Sciences

Nr. 3-4(17) / 2018 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 30 January, 2019. Descarcări-5. Vizualizări-596

Detection in the different contacts with bismuth-antimony alloy

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu"

Materials Science and Condensed Matter Physics

Nr. 4(64) / 2008 / ISSN 1810-9136

Disponibil online 14 February, 2019. Descarcări-5. Vizualizări-714

2017 - 2

Detection in the contacts at low temperatures _influence of the free electrons concentration on the detecting parameters

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Microelectronics and Computer Science

// ISSN -

Disponibil online 2 November, 2017. Descarcări-2. Vizualizări-520

Detection in the contacts with bismuth-antimony alloy: influence of the free electrons concentration on the current responsivity

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Microelectronics and Computer Science

// ISSN -

Disponibil online 25 October, 2017. Descarcări-2. Vizualizări-667

2016 - 3

Detection in the contacts with bismuth-antimony alloy and in the contacts with HTSC

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Materials Science and Condensed Matter Physics

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 1 August, 2019. Descarcări-2. Vizualizări-544

Detection in the contacts with HTSC - InSb: Numerical modeling of the contact area role



Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

IFMBE Proceedings 3rd International Conference on Nanotechnologies and Biomedical Engineering, ICNBME 2015

Nr. 1 / 2009 / ISSN 1857-0437

Disponibil online 15 September, 2022. Descarcări-0. Vizualizări-165

Numerical modeling of detection in the contacts of bismuth-antimony alloy with different materials

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu"

NANO- 2016: Ethical, Ecological and Social Problems of Nanoscience and Nanotechnologies

Nr. 3-4(7-8) / 2004 / ISSN 1810-6498 / ISSN_e 2537-6349

Disponibil online 27 April, 2020. Descarcări-0. Vizualizări-375

2015 - 2

Detection in the contacts with HTSC - InSb: numerical modeling of the contact area role

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Nanotechnologies and Biomedical Engineering

Nr. 1(307) / 2009 / ISSN 1857-064X

Disponibil online 9 April, 2019. Descarcări-0. Vizualizări-520

Some aspects of detection in the low temperatures diode detectors

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Telecommunications, Electronics and Informatics

Nr. 4(4) / 2005 / ISSN 1857-0011

Disponibil online 21 May, 2018. Descarcări-0. Vizualizări-537

2014 - 3

Detection in the contacts with bismuth-antimony alloy: material factor and role of contact area Ia. I. Kerner

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Materials Science and Condensed Matter Physics

Nr. 3(21) / 2005 / ISSN 1810-9551

Disponibil online 27 February, 2019. Descarcări-0. Vizualizări-408

Detection in the contacts with bismuth-antimony alloy: role of contact material and influence of the surface states properties

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Microelectronics and Computer ScienceThe 5th International Conference

Nr. 1(8) / 2009 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 11 April, 2019. Descarcări-2. Vizualizări-602

Numerical modeling of detection in contacts of bismuth-antimony alloy with different materials: influence of contact area and material factor

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 3-4(13) / 2014 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 12 October, 2015. Descarcări-3. Vizualizări-760

2013 - 2

Detection in the structures based on a semiconductor (Bi-Sb)/superconductor (NbN) contacts: optimization for high frequency signal

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu"

Nanotechnologies and Biomedical Engineering

Nr. 1(29) / 2005 / ISSN 1810-6455

Disponibil online 17 June, 2019. Descarcări-0. Vizualizări-443

Numerical modeling of detection in contacts of a bismuth-antimony alloy with different materials

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 3-4(12) / 2013 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 19 March, 2014. Descarcări-3. Vizualizări-740

2012 - 2

Characteristic modeling of a diode detector based on a semiconductor(BiSb) /superconductor (NbN) heterojunction with surface states

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 1-2(11) / 2012 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 16 December, 2013. Descarcări-3. Vizualizări-933

CPPP 50 P Detection in the contacts with bismuth-antimony alloy: optimization for high frequency signal

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu"

Materials Science and Condensed Matter Physics

Nr. 2(17) / 2006 / ISSN 1810-1852 / ISSNe 1810-1879

Disponibil online 23 March, 2020. Descarcări-0. Vizualizări-416

2011 - 1

Detection in the contacts with bismuth-antimony alloy: numerical modeling of the contact area role

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Nanotechnologies and Biomedical Engineering

Nr. 2-3(37) / 2006 / ISSN 1810-6455

Disponibil online 19 July, 2019. Descarcări-2. Vizualizări-595

2010 - 1

Numerical modeling of detection in low temperature diode detectors

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 2(9) / 2010 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 19 November, 2013. Descarcări-1. Vizualizări-885

2009 - 2

Numerical Analysis of the Non-cooled Infra-red Sensors based on Different Thermoelectric Wires or Films

Kerner Iacov

Institute of Electronic Engineering and Industrial Technologies, Academy of Sciences of Moldova

Microelectronics and Computer Science The 6th International Conference

Nr. 4(98) / 2016 / ISSN 1810-9136

Disponibil online 11 July, 2023. Descarcări-0. Vizualizări-176

Numerical modeling of the contacts HTSC - semiconductor for diode detectors

Kerner Iacov

Institute of Electronic Engineering and Industrial Technologies, Academy of Sciences of Moldova

ICT plus "Information and Communication Technologies - 2009"

Nr. 5(151) / 2013 / ISSN 1811-0770 / ISSNe 2587-411X

Disponibil online 12 October, 2022. Descarcări-1. Vizualizări-251

2008 - 1

Numerical analysis of the non-cooled infrared sensors based on different thermoelectric materials

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 4(7) / 2008 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 29 July, 2013. Descarcări-1. Vizualizări-784

2006 - 1

HTSC - Si and HTSC - InSb contacts for diode detectors: comparison of characteristics

Kerner Iacov

Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 3-4(5) / 2006 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 17 December, 2013. Descarcări-1. Vizualizări-849

2005 - 2

Contact HTSC semiconductor for diode detectors: role of surface states in quasi-static regime

Kerner Iacov

Institute of Applied Physics, Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 1(4) / 2005 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 19 November, 2013. Descarcări-1. Vizualizări-751

Kinetic coefficients in Bi_{0.88}Sb_{0.12} alloy: Influence of anisotropic deformation

Kerner Iacov

Institute of Applied Physics, Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 15 December, 2013. Descarcări-1. Vizualizări-685

2004 - 1

Analytical test of the film/substrate boundary perfection in SnO₂ thin films

Ivashchenko Anatolii, Kerner Iacov

Institute of Applied Physics, Academy of Sciences of Moldova

Proceedings of the International Semiconductor Conference CAS

Nr. 1-4 / 2015 / ISSN 1857-1476

Disponibil online 27 November, 2023. Descarcări-0. Vizualizări-112

2001 - 1

Effect of substrate origin and annealing conditions on stability of electrical conductivity of SnO₂ thin polycrystalline films

Ivashchenko Anatolii, Kerner Iacov, Maronchuk Irina

Proceedings of the International Semiconductor Conference CAS

Nr. 7/2(307) / 2017 / ISSN 2587-4365 / ISSN_e 2587-4373

Disponibil online 29 November, 2023. Descarcări-0. Vizualizări-110

2000 - 1

Effect of substrate origin on stability of electrical conductivity of SnO₂ thin polycrystalline films

Ivashchenko Anatolii, Kerner Iacov, Maronchuk Irina

Institute of Applied Physics, Academy of Sciences of Moldova

Proceedings of the International Semiconductor Conference CAS

Nr. 1(83) / 2017 / ISSN 1024-7696 / ISSN_e 2587-4322

Disponibil online 29 November, 2023. Descarcări-0. Vizualizări-140

1999 - 1

Structural and dimensional effects in electrical conductivity of SnO₂ thin films used for gas sensors

Ivashchenko Anatolii, Kerner Iacov

Academy of Sciences of Moldova

Proceedings of the International Semiconductor Conference CAS

Nr. 4(92) / 2015 / ISSN 1810-6455

Disponibil online 29 November, 2023. Descarcări-0. Vizualizări-114

1997 - 1

Structural effects in electrical conductivity of SnO₂ thin films

Ivashchenko Anatolii, Kerner Iacov

Academy of Sciences of Moldova

Proceedings of the International Semiconductor Conference CAS

Nr. 2(63) / 2017 / ISSN 1810-1852 / ISSN_e 1810-1879

Disponibil online 6 December, 2023. Descarcări-0. Vizualizări-98

1996 - 1

Percolation theory approach to the description of electrical conductivity near 3D-2D transition in thin polycrystalline SnO₂ films

Ivashchenko Anatolii, Kerner Iacov, Maronchuk Irina

Academy of Sciences of Moldova

Proceedings of the International Semiconductor Conference CAS

Nr. 3(78) / 2017 / ISSN 1812-2566 / ISSN_e 2587-4063

Disponibil online 7 December, 2023. Descarcări-0. Vizualizări-111

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