

Tronciu Vasile

3. Articole în reviste din RM

3.1. Articole în reviste științifice din RM (perioada în care au avut categorie de clasificare + 2 numere până la aprobarea statutului de publicație științifică)

3.1.2. Articole în reviste de cat. B+ - 4

Teze/Rezumate în culegeri - 19.

2023 - 1

New Characteristics of Blue Self-pulsating InGaN Lasers

Grigoriev Eugeniu, Rusu Spiridon, Tronciu Vasile

T.G. Shevchenko State University of Pridnestrovie, Tiraspol

IFMBE Proceedings Nanotechnologies and Biomedical Engineering

Nr. 3(82) / 2016 / ISSN 1024-7696 / ISSNe 2587-4322

Disponibil online 11 October, 2023. Descarcări-2. Vizualizări-237

2022 - 1

Principiul nonlocalismului cuantic și inseparabilitatea cuantică a particulelor

Chistol Vitalie, Tronciu Vasile

Universitatea Tehnică a Moldovei

Abordări inter/transdisciplinare în predarea științelor reale, (concept STEAM).

Nr. 1(101) / 2015 / ISSN 1857-2022

Disponibil online 24 November, 2022. Descarcări-3. Vizualizări-325

2021 - 4

Generation of Pulses with Excitable DFB Laser with Dispersive reflector

Andronic Silvia, Grigoriev Eugeniu, Tronciu Vasile

Technical University of Moldova

Electronics, Communications and Computing IC|ECCO-2021

Nr. 4 / 2014 / ISSN 1811-5470

Disponibil online 27 April, 2022. Descarcări-2. Vizualizări-342

Influence of Double Feedback on Stationary States of Quantum Dots Lasers

Grigoriev Eugeniu, Rusu Spiridon, Tronciu Vasile

Technical University of Moldova

Nanotechnologies and Biomedical Engineering

Nr. 9(1) / 2012 / ISSN 1857-4114 / ISSNe 2537-6438

Disponibil online 16 November, 2021. Descarcări-6. Vizualizări-454

Investigation of Dynamical Properties of a Laser with Incorporated DBR Section Under the Influence of External Optical Feedback

Grigoriev Eugeniu, Tronciu Vasile

Technical University of Moldova

Nanotechnologies and Biomedical Engineering

Nr. 9(1) / 2012 / ISSN 1857-4114 / ISSN_e 2537-6438

Disponibil online 18 November, 2021. Descarcări-6. Vizualizări-356

Theoretical aspects regarding the influence of milimetric waves on living matter

Gubceac Natalia, Ciobanu Nelly, Tronciu Vasile

"Nicolae Testemițanu" State University of Medicine and Pharmacy

Cercetarea în biomedicină și sănătate: calitate, excelență și performanță

Nr. 5(2) / 2010 / ISSN 1857-4114 / ISSN_e 2537-6438

Disponibil online 6 December, 2021. Descarcări-2. Vizualizări-418

2019 - 2

Investigation of picosecond-pulse generation by two-section blue-violet semiconductor lasers

Tronciu Vasile¹, Wenzel Hans^{2,3}, Knigge Andrea^{2,3}

¹ Technical University of Moldova,

² Ferdinand-Braun-Institut,

³ Leibniz-Institut für Höchstfrequenztechnik, Berlin

Electronics, Communications and Computing

Nr. 3(49) / 2005 / ISSN 1024-7696 / ISSN_e 2587-4322

Disponibil online 8 November, 2019. Descarcări-3. Vizualizări-681

Theoretical studies of the dynamics of two section blue-violet semiconductor lasers

Tronciu Vasile

Technical University of Moldova

NANO- 2019: Limits of Nanoscience and Nanotechnologies

Nr. 2(10) / 2009 / ISSN 1857-0070

Disponibil online 23 January, 2020. Descarcări-2. Vizualizări-592

2018 - 2

Complex dynamics of quantum dots lasers under the influence of external multiple optical feedback

Oloinic Tatiana¹, Rusu Spiridon^{1,2}, Tronciu Vasile¹

¹ Technical University of Moldova,

² Institute of Applied Physics

Materials Science and Condensed Matter Physics

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

Disponibil online 16 January, 2019. Descarcări-8. Vizualizări-627

Semiconductor ring lasers tuned by external optical feedback: theory and experiment

Tronciu Vasile¹, Radziunas Mindaugas², Khoder Mulham³, Danckaert Jan³, Verschaffelt Guy³

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Materials Science and Condensed Matter Physics

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

Disponibil online 15 January, 2019. Descarcări-1. Vizualizări-724

2017 - 4

Chaos Communication with Quantum Dots Lasers Under the Influence of Multiple Feedback

Oloinic Tatiana, Rusu Spiridon, Tronciu Vasile

Technical University of Moldova

Multidisciplinarity in Modern Science for the Benefit of Society

Nr. 3(303) / 2007 / ISSN 1857-064X

Disponibil online 16 March, 2018. Descarcări-11. Vizualizări-782

Influenta radiatiei electromagnetice asupra proceselor biomoleculare

Ciobanu Nellu¹, Munteanu-Gubceac Natalia^{1,2}, Grabovschi Ion¹, Tronciu Vasile³

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² Universitatea „Vasile Alecsandri”, Bacău,

³ Universitatea Tehnică a Moldovei

Microelectronics and Computer Science

// ISSN -

Disponibil online 30 October, 2017. Descarcări-14. Vizualizări-788

Nonlinear Dynamics of Quantum Dots Lasers with External Optical Feedback

Tronciu Vasile

Technical University of Moldova

Multidisciplinarity in Modern Science for the Benefit of Society

Nr. 3(303) / 2007 / ISSN 1857-064X

Disponibil online 16 March, 2018. Descarcări-5. Vizualizări-697

Sincronizarea laserelor semiconductoare cu mediu activ puncte cuantice

Oloinic Tatiana, Pîrțac Constantin, Rusu Spiridon, Tronciu Vasile

Universitatea Tehnică a Moldovei

Microelectronics and Computer Science

// ISSN -

Disponibil online 23 October, 2017. Descarcări-11. Vizualizări-776

2016 - 5

Învățarea prin cercetare a legilor fizice

Rusu Alexandru, Pîrțac Constantin, Rusu Spiridon, Gutium Serghei, Tronciu Vasile, Popovici Ana, Secrieru Vitalie, Munteanu Eugeniu

Universitatea Tehnică a Moldovei

Fizica și tehnologiile moderne

Nr. 4(100) / 2014 / ISSN 1857-2022

Disponibil online 16 May, 2022. Descarcări-9. Vizualizări-316

Analyzing limits of linewidth reduction of a DFB laser by an external resonator

Tronciu Vasile¹, Wenzel Hans², Wunsche Hans Jurgen²

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Materials Science and Condensed Matter Physics

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

Disponibil online 18 July, 2019. Descarcări-1. Vizualizări-606

Chaos based communications with quantum dots lasers under the influence of multiple feedbacks

Oloinic Tatiana, Rusu Spiridon, Tronciu Vasile

Technical University of Moldova

Materials Science and Condensed Matter Physics

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

Disponibil online 31 July, 2019. Descarcări-4. Vizualizări-607

Comunicarea optică bazată pe haos cu ajutorul laserelor cu puncte cuantice

Oloinic Tatiana, Rusu Spiridon, Tronciu Vasile

Universitatea Tehnică a Moldovei

Tendințe contemporane ale dezvoltării științei: viziuni ale tinerilor cercetători

Nr. 1(65) / 2009 / ISSN 1810-9136

Disponibil online 30 January, 2019. Descarcări-3. Vizualizări-643

Comunicarea optica bazata pe haos cu ajutorul laserelor cu puncte cuantice și feedback optic

Oloinic Tatiana, Rusu Spiridon, Grigoriev Eugeniu, Tronciu Vasile

Universitatea Tehnică a Moldovei

Fizica și tehnologiile moderne

Nr. 4(100) / 2014 / ISSN 1857-2022

Disponibil online 15 May, 2022. Descarcări-4. Vizualizări-456

2015 - 8

Anticipated synchronization of DFB Lasers with passive dispersive section

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Telecommunications, Electronics and Informatics

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

Disponibil online 17 May, 2018. Descarcări-3. Vizualizări-699

Anticipated synchronization of passive dispersive reflector semiconductor laser

Ciobanu Natalia¹, Rusu Spiridon², Tronciu Vasile²

¹ “Nicolae Testemițanu” State University of Medicine and Pharmacy,

² Technical University of Moldova

Nanotechnologies and Biomedical Engineering

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

Disponibil online 10 April, 2019. Descarcări-0. Vizualizări-609

Chaos based communication of multi section semiconductor lasers with an air gap

Antohei Ion, Sanduța Stanislav, Rusu Spiridon, Tronciu Vasile

Technical University of Moldova

Telecommunications, Electronics and Informatics

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

Disponibil online 17 May, 2018. Descarcări-18. Vizualizări-735

Dynamics of quantum dots lasers under the influence of double cavity external optical feedback

Sanduța Ana, Rusu Spiridon, Tronciu Vasile

Technical University of Moldova

Telecommunications, Electronics and Informatics

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

Disponibil online 17 May, 2018. Descarcări-5. Vizualizări-661

Stationary states of external cavity diode laser

Tronciu Vasile¹, Radziunas Mindaugas²

¹ Technical University of Moldova,

² Weierstrass Institute for Applied Analysis and Stochastics, Berlin

Telecommunications, Electronics and Informatics

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

Disponibil online 17 May, 2018. Descarcări-3. Vizualizări-571

The influence of external cavity optical feedback on the dynamics of quantum dots lasers

Sanduța Ana, Rusu Spiridon, Tronciu Vasile

Technical University of Moldova

Nanotechnologies and Biomedical Engineering

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

Disponibil online 10 April, 2019. Descarcări-0. Vizualizări-539

Theoretical study of external cavity diode laser using simulation of modes

Dumanov Evgheni^{1,2}, Tronciu Vasile¹, Wenzel Helmut³

¹ Technical University of Moldova,

² Institute of Applied Physics, Academy of Sciences of Moldova,

³ Ferdinand-Braun-Institut

Telecommunications, Electronics and Informatics

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

Disponibil online 17 May, 2018. Descarcări-7. Vizualizări-657

Theoretical treatment of millimeter and terahertz radiation action on biological media

Ciobanu Natalia^{1,2}, Vovc Victor¹, Saulea Aurel¹, Tronciu Vasile³

¹ "Nicolae Testemițanu" State University of Medicine and Pharmacy,

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Nanotechnologies and Biomedical Engineering

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

Disponibil online 12 April, 2019. Descarcări-1. Vizualizări-715

2014 - 3

Dynamics of quantum dots lasers structures with optical feedback

Sanduța Ana, Rusu Spiridon, Tronciu Vasile

Technical University of Moldova

Materials Science and Condensed Matter Physics

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

Disponibil online 25 February, 2019. Descarcări-1. Vizualizări-545

Simulations and experiments of external cavity diode lasers

Tronciu Vasile¹, Radziunas Mindaugas², Luvsandamdin Erdenetsetseg³, Kiirbis C.³, Wicht Andreas³, Wenzel H.³

¹ Technical University of Moldova,

² Weierstrass Institute for Applied Analysis and Stochastics, Berlin,

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Materials Science and Condensed Matter Physics

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

Disponibil online 24 February, 2019. Descarcări-1. Vizualizări-744

Theoretical study of the modal behaviour of an external cavity diode laser

Dumanov Evgheni^{1,2}, Tronciu Vasile², Wenzel Helmut³

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Technical University of Moldova,

³ Ferdinand-Braun-Institut

Materials Science and Condensed Matter Physics

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

Disponibil online 16 March, 2019. Descarcări-1. Vizualizări-610

2013 - 1

Nonlinear cooperative phenomena caused by Fröhlich phonons in biological objects

Ciobanu Nellu¹, Rotaru Anatol², Tronciu Vasile³

¹ Moldova State University,

² "Nicolae Testemițanu" State University of Medicine and Pharmacy,

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Nanotechnologies and Biomedical Engineering

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

Disponibil online 20 June, 2019. Descarcări-0. Vizualizări-800

2012 - 2

CMT 2 P Quantum treatment of optical self - organization phenomena of excitons and biexcitons in ring cavity

Tronciu Vasile¹, Rotaru Anatol²

¹ Technical University of Moldova,

² Moldova State University

Materials Science and Condensed Matter Physics

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

Disponibil online 6 March, 2020. Descarcări-0. Vizualizări-575

CMT 3 P Theory of anticipated synchronization of DFB laser with passive dispersive reflector

Tronciu Vasile¹, Rusu Spiridon¹, Rotaru Anatol²

¹ Technical University of Moldova,

² Moldova State University

Materials Science and Condensed Matter Physics

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

Disponibil online 6 March, 2020. Descarcări-1. Vizualizări-495

2009 - 1

Dynamics and stability improvement of DFB tapered master-oscillator poweramplifiers

Tronciu Vasile¹, Lichtner M², Radziunas Mindaugas², Bandelow Uwe², Wenzel Hans³

¹ Technical University of Moldova,

² Weierstrass Institute for Applied Analysis and Stochastics, Berlin,

³ Ferdinand-Braun-Institut

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

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