

Afisarea articolelor 1-20(21) pentru cuvîntul-cheie "GaN"

Electronics: The Innovation Driver of the Automotive Industry

Băjenescu Titu-Marius¹²

¹ Military Technical Academy Bucharest,

² Technical University of Moldova

EEA - Electrotehnica, Electronica, Automatica

1(70) / 2022 / ISSN - /ISSNe 1582-5175

Disponibil online 28 June, 2022. Descarcări-5. Vizualizări-301

Gallium nitride (GaN), silicon carbide (SiC) and the future vehicle

Băjenescu Titu-Marius¹²³⁴

¹ Military Technical Academy Bucharest,

² Technical University of Moldova,

³ Romanian Academy of Science,

EEA - Electrotehnica, Electronica, Automatica

1(65) / 2017 / ISSN - /ISSNe 1582-5175

Disponibil online 21 February, 2022. Descarcări-0. Vizualizări-250

Surface charge lithography for GaN micro-and nanostructuring

Tighineanu Ion¹², Popa Veaceslav¹, Sarua Andrei³, Heard Peter⁴, Volciuc Olesed¹, Kuball Martin³

¹ Technical University of Moldova,

² Institute of Electronic Engineering and Industrial Technologies, Academy of Sciences of Moldova,

Proceedings of SPIE - The International Society for Optical Engineering

Ediția 4, Vol.7216. 2009. Bellingham, Washington. [ISSN 0277786X](#).

Disponibil online 1 December, 2023. Descarcări-0. Vizualizări-191

The impact of porosification upon luminescence of HVPE grown GaN and the influence of the porous layer upon the quality of the overgrown GaN film

Branîște Fiodor¹, Popa Veaceslav¹, Martin Denis², Carlin Jean Franc², Ursachi Veaceslav³, Grandjean Nicolas², Tighineanu Ion¹³

³ Institute of Electronic Engineering and Industrial Technologies, Academy of Sciences of Moldova

IFMBE Proceedings

Editia 3, Vol.55. 2016. . [ISSN 16800737](#).

Disponibil online 25 October, 2023. Descarcări-1. Vizualizări-194

Protein-corona formation on aluminum doped zinc oxide and gallium nitride nanoparticles

Ciobanu Vladimir¹, Roncari Francesco², Ceccone Giacomo², Branîște Fiodor¹, Ponti Jessica², Boghi Alessia², Guerrini Giuditta², Cassano Domenico², Colpo Pascal², Tighineanu Ion¹³

¹ Technical University of Moldova,

² JRC Joint Research Centre, European Commission, Ispra, Italy,

³ Academy of Sciences of Moldova

Journal of Applied Biomaterials and Functional Materials

/ 2022 / ISSN 2280-8000

Disponibil online 5 November, 2022. Descarcări-5. Vizualizări-330

Future trends in power electronic devices

Băjenescu Titu-Marius

Journal of Engineering Sciences

4 / 2019 / ISSN 2587-3474 /ISSNe 2587-3482

Disponibil online 27 January, 2020. Descarcări-7. Vizualizări-712

Ultra-thin semiconductor membrane nanotechnology based on surface charge lithography

Tighineanu Ion¹, Popa Veaceslav², Stevens-Kalceff Marion A.³

¹ Institute of Electronic Engineering and Industrial Technologies, Academy of Sciences of Moldova,

² Technical University of Moldova,

Proceedings of SPIE - The International Society for Optical Engineering

Ediția 5, Vol.8068. 2011. Bellingham, Washington. [ISSN 0277786X](#).

Disponibil online 29 November, 2023. Descarcări-0. Vizualizări-156

Fabrication of GaN nanowalls and nanowires using surface charge lithography

Popa Veaceslav¹, Tighineanu Ion¹², Volciuc Olesea¹, Sarua Andrei³, Kuball Martin³, Heard Peter⁴

¹ Technical University of Moldova,

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

Materials Letters

/ 2008 / ISSN 0167-577X

Disponibil online 6 April, 2018. Descarcări-0. Vizualizări-653

Memristive GaN ultrathin suspended membrane array

Dragoman Mircea L.¹, Tighineanu Ion²³, Dragoman Daniela⁴⁵, Braniște Fiodor³, Ciobanu Vladimir³

¹ National Institute for Research and Development in Microtechnology, IMT-Bucharest,

² Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova,

³ Technical University of Moldova,

⁴ University of Bucharest,

⁵ Romanian Academy of Science

Nanotechnology

/ 2016 / ISSN 0957-4484

Disponibil online 18 December, 2017. Descarcări-0. Vizualizări-749

Design and maskless fabrication of ultrathin suspended membranes of GaN

Tighineanu Ion¹², Popa Veaceslav², Stevens-Kalceff Marion A.³, Gerthsen Dagmar⁴, Brenner Patrice⁴, Pavlidis Dimitris⁵

¹ Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova,

² Technical University of Moldova,

⁴ University of Karlsruhe,

Physica Status Solidi - Rapid Research Letters

/ 2012 / ISSN 1862-6254

Disponibil online 26 March, 2018. Descarcări-0. Vizualizări-771

Multilayer porous structures on GaN for the fabrication of Bragg reflectors

Braniște Fiodor¹, Monaico Eduard¹, Martin Denis², Carlin Jean Franc², Popa Veaceslav³, Ursachi Veaceslav², Grandjean Nicolas², Tighineanu Ion¹³

¹ Technical University of Moldova,

³ Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Proceedings of SPIE - The International Society for Optical Engineering

/ 2017 / ISSN 0277-786X /ISSNe 1996-756X

Disponibil online 19 March, 2018. Descarcări-0. Vizualizări-848

Multilayer porous structures on GaN for the fabrication of Bragg reflectors

Braniște Fiodor¹, Monaico Eduard¹, Martin Denis², Carlin Jean Franc², Popa Veaceslav³, Ursachi Veaceslav², Grandjean Nicolas², Tighineanu Ion¹³

¹ Technical University of Moldova,

² Swiss Federal Institute of Technology Lausanne,

³ Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Proceedings of SPIE - The International Society for Optical Engineering

Ediția 8, Vol.10248. 2017. Bellingham, Washington USA. [ISSN 0277786X](#).

Disponibil online 28 February, 2022. Descarcări-0. Vizualizări-310

Functionalised AlGaIn/GaN heterostructures for electronic saccharide sensing

Sarua Andrei¹, Schuller T.¹, Kuball Martin¹, Flower S.², James T.², Fossey J.³, Das Jo⁴, Degroot S.⁴, Germain M.⁴

² Department of Chemistry, University of Bath,

³ School of Chemistry, University of Birmingham,

Nanotechnologies and Biomedical Engineering

Editia 1. 2011. . [ISBN 978-9975-66-239-0](#).

Disponibil online 22 July, 2019. Descarcări-0. Vizualizări-602

Development of GaN-based nanosensors using surface charge lithography

Popa Veaceslav¹, Braniște Fiodor¹, Volciuc Olesea¹, Pavlidis Dimitris², Sarua Andrei³, Heard Peter⁴, Kuball Martin³

¹ Technical University of Moldova,

² Technical University Darmstadt,

Nanotechnologies and Biomedical Engineering

Editia 1. 2011. . [ISBN 978-9975-66-239-0](#).

Disponibil online 17 July, 2019. Descarcări-1. Vizualizări-736

Photodetectors based on II-VI multicomponent alloys

Korotcenkov Ghenadie¹, Semikina Tetyana²

¹ Moldova State University,

Revista Didactica Pro..., revistă de teorie și practică educațională

3(7) / 2001 / ISSN 1810-6455

Disponibil online 31 May, 2023. Descarcări-0. Vizualizări-200

Cercetări XRD și XPS ale straturilor de AlN, AlGaIn, GaN depuse pe siliciu prin metoda HVPE

Raevschi Simion¹, Spalatu Nicolae¹, Botnariuc Vasile¹, Gorceac Leonid¹, Potlog Tamara¹, Dobromir Marius²

Studia Universitatis Moldaviae (Seria Științe Exacte și Economice)

2(112) / 2018 / ISSN 1857-2073 /ISSNe 2345-1033

Disponibil online 13 November, 2018. Descarcări-15. Vizualizări-750

Influența tratării termice în azot sau în vid asupra proprietăților straturilor de GaN crescute pe Si(111) prin metoda HVPE

Botnariuc Vasile, Cinic Boris, Coval Andrei, Gașin Petru, Gorceac Leonid, Raevschi Simion

Studia Universitatis Moldaviae (Seria Științe Exacte și Economice)

7(87) / 2015 / ISSN 1857-2073 /ISSNe 2345-1033

Disponibil online 9 March, 2016. Descarcări-21. Vizualizări-770

Effects of morphology on the emission of photons from GaN membranes fabricated using Surface Charge Lithography

Stevens-Kalceff Marion A.¹, Tighineanu Ion²³, Popa Veaceslav³, Braniște Fiodor³, Brenner Patrice⁴

² Institute of Electronic Engineering and Industrial Technologies, Academy of Sciences of Moldova,

³ Technical University of Moldova,

Proceedings of SPIE - The International Society for Optical Engineering

Ediția 6, Vol.8766. 2013. Bellingham, Washington. [ISSN 0277786X](#).

Disponibil online 28 November, 2023. Descarcări-0. Vizualizări-173

Recent progress in GaN-based devices for terahertz technology

Sirkeli Vadim¹², Tighineanu Ion³, Hartnagel Hans Ludwig¹

¹ Technical University Darmstadt,

² Moldova State University,

³ Technical University of Moldova

IFMBE Proceedings

Ediția 4, Vol.77. 2020. Switzerland. [ISBN 978-303031865-9](#).

Disponibil online 31 October, 2020. Descarcări-6. Vizualizări-552

Growth of p-gan on silicon substrates with ZnO buffer layers

Raevschi Simion¹, Gorceac Leonid¹, Botnariuc Vasile¹, Braniște Fiodor²

¹ Moldova State University,

² Technical University of Moldova

IFMBE Proceedings

Ediția 4, Vol.77. 2020. Switzerland. [ISBN 978-303031865-9](#).

Disponibil online 27 October, 2020. Descarcări-7. Vizualizări-677

Multilayer porous structures of HVPE and MOCVD grown GaN for photonic applications

Braniște Fiodor¹, Ciers Joachim², Monaico Eduard¹, Martin Denis², Carlin Jean Franc², Ursachi Veaceslav³, Sergentu Vladimir⁴, Tighineanu Ion¹³, Grandjean Nicolas²

¹ Technical University of Moldova,

³ Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova,

⁴ Institute of Applied Physics, Academy of Sciences of Moldova

Superlattices and Microstructures

/ 2017 / ISSN 0749-6036

Disponibil online 15 December, 2017. Descarcări-0. Vizualizări-736



Copyright © 2011-2024 Instrumentul Bibliometric Național.
Institutul de Dezvoltare a Societății Informaționale.
Actualizat: 21.05.2024, accesat: 21.05.2024
Disponibil: <https://ibn.idsi.md>

