

LISTA DE LUCRĂRI

Dr. Ing. Ionescu Octavian Narcis

A. Teza de doctorat

SISTEM INTERACTIV DE PROCESARE A IMAGINILOR PENTRU URMĂRIREA AUTOMATĂ A PROCESULUI DE SUDARE, Teza de doctorat, Universitatea Petrol-Gaze din Ploiești, Ploiești, August 2005, 203 pagini
Conducător științific: Prof. dr. ing. Dumitrecu Ioan

B. Cărți și capitole de cărți

B.1. Cărți publicate

B.1.1 Ionescu Octavian, *Productia de energie electrică din resurse regenerabile – biogaz*
Editura Universității Petrol – Gaze din Ploiești, Ploiesti; 2022, ISBN 978-973-719-853-2;

B.1.2 Ionescu Octavian, *Microcontrolere. Îndrumar de lucrări practice*, Editura
Universității Petrol – Gaze din Ploiești, Ploiesti 2020; ISBN 978-973-719-790-0;

B.1.3 Ionescu Octavian (coordonator), Cristian Bucur, Ioan Savulescu, Gheorghe Cremenescu, *Manual pentru formare electronisti*, Editura Universității Petrol – Gaze din Ploiești, 2012, ISBN 978-973-719-413-8,

B.1.4 Ionescu Octavian (coordonator), Gheorghe Cremenescu, Octavian Dinu, Dragomir Orhei, Alexandru Savulescu, Ioan Savulescu, *Electronica analogica- indrumar de lucrari practice*, Ed. Universității Petrol-Gaze din Ploiești, 2012, ISBN 978-973-719-486-6

B.1.5 Ioan Dumitrescu, Gheorghe Cremenescu, Cristian Bucur, Ioan Savulescu, Cornel Ianache, Dragomir Orhei, Octavian Dinu, Liana Georgescu, Bogdan Mirodotescu, Ionescu Octavian, Augustina Teodoroiu, *Masurari Electronice*, Editura AGIR, Bucuresti, 2001, ISBN 973-8130-48-4,

B.2. Capitole de carte publicate

B.2.1. Ionescu Octavian., Dumitru V., Pricop E., Pircalabu S.- *Innovative Hardware-Based Cybersecurity Solutions*, capitol publicat în *Recent Developments on Industrial Control Systems Resilience*, Seria *Studies in Systems, Decision and Control*, vol 255, 2020, pag. 283-299, Editura Springer Nature Switzerland AG, Cham, Switzerland, ISBN: 978-3-030-31327-2, , DOI:https://doi.org/10.1007/978-3-030-31328-9_12

B.2.2. Lucrari carti articole brevete\Carti\B.2.2. Chapter-6-TN Quantum dots One Press - .pdf

- B.2.3.** United Nations. Monitoring, Verification and Inspection Commission Compendium of Iraq's Proscribed Weapons Programmes in the Chemical, Biological and Missile Areas United Nations, 2007 Chapter IV Missile programme
<https://web.archive.org/web/20130318084012/http://www.un.org/depts/unmovic/new/pages/compendium.asp>
<http://onlinebooks.library.upenn.edu/webbin/book/lookupid?key=olbp60650>
- Certificat autor United Nations anexat
- B.2.4.** United Nations. Monitoring, Verification and Inspection Commission Compendium of Iraq's Proscribed Weapons Programmes in the Chemical, Biological and Missile Areas, United Nations, 2007, Chapter VI Procurement
<https://web.archive.org/web/20130318084012/http://www.un.org/depts/unmovic/new/pages/compendium.asp>
<http://onlinebooks.library.upenn.edu/webbin/book/lookupid?key=olbp60650>
- Certificat autor United Nations anexat

C. Articole publicate în reviste din fluxul științific internațional principal

C.1 Articole publicate în reviste indexate Clarivate Analytics - Web of Science (SCIE - ISI)

- C.1.1.** O N Ionescu; E Franti; V Carbanaru; C Moldovan; S Dinulescu; M Ion; D C Dragomir; C M Mihailescu; I Lascar; A M Oproiu; T P Neagu; R Costea; M Dascalu; M D Teleanu; G Ionescu; R Teleanu, System of Implantable Electrodes for Neural Signal Acquisition and Stimulation for Wirelessly Connected Forearm Prosthesis, **Biosensors** 2024, Volume 14, Issue 1, 31.
<https://www.mdpi.com/2079-6374/14/1/31>
<https://doi.org/10.3390/bios14010031>
- C.1.2.** Dragomir, D.; Carbanaru,; Moldovan, CA; Lascar, I , ; Dontu, O ; Ristoiu, V; Gheorghe, R ; Oproiu, AM; Firtat, B; Franti, E; Dascalu,M.; Neagu, TP ; Enescu, DM ; **Ionescu, O**; Ion, M; Mihailescu, C ; Costea, R; Gonciarov, M; Ionescu, G; Dumitru, A; Minca, A; Niculae, C ; Raita, S; Rosca, I; Lazarescu, S; Stoica, C; Teleanu, RI; Teleanu, DM. Biocompatibility Analysis of GelMa Hydrogel and Silastic RTV 9161 Elastomer for Encapsulation of Electronic Devices for Subdermal Implantable Devices, **Coatings**, Volume13,Issue1,Article Number19, Published JAN 2023, eISSN:2079-6412, DOI10.3390/coatings13010019, <https://www.mdpi.com/2079-6412/13/1/19> WOS:000917487200001
- C.1.3.** Tudose, I., Mouratis, K., **Ionescu, O.**, Romanitan, C., Pachiu, C., Tutunaru O, Sucheana, M., Koudoumas, E, Comparative Study of Graphene Nanoplatelets and Multiwall Carbon Nanotubes-Polypropylene Composite Materials for Electromagnetic Shielding **Nanomaterials** 2022, 12(14), 2411;
[https://doi.org/10.3390/nano12142411,](https://doi.org/10.3390/nano12142411)

<https://www.mdpi.com/2079-4991/12/14/2411> WOS:000809110600001

- C.1.4.** Tudose, I., Mouratis, K., Ionescu, O., Romanitan, C., Pachiu, C., Picop E, M., Khomenko, V., Butenko, O., Chernysh, O., Kenanakis, G., Barsukov, V., Suchea, M., Koudoumas, E, Carbon Allotropes-Based Paints and Their Composite Coatings for Electromagnetic Shielding Applications, *Nanomaterials* 2022, 12(11), 1839; <https://doi.org/10.3390/nano12111839>, <https://www.mdpi.com/2079-4991/12/11/1839> WOS:000809110600001
- C.1.5.** Iliescu F, Hong L.T. , Toh JM, , Suchea MP, Ionescu O, Iliescu C. Early Notice Pointer, an IoT-like Platform for Point-of-Care Feet and Body Balance Screening, *Journals Micromachines* Volume 13 Issue 5 10.3390/mi13050682, 13(5), 682; <https://doi.org/10.3390/mi13050682> (registering DOI), <https://www.mdpi.com/2072-666X/13/5/682> WOS:000802457100001
- C.1.6.** Moldovan C., Ion. M., Blystad, L., Ohlckers, P., Marchetti, L., Franti, E., Dascalu, M., Dobrescu, D., Dobrescu, L., Niculae, C., Dragomir, D., Hønsvall, B., Opris, C., Imenes, K., Ion, A., Pascalau, A., Firtat, B., Ristoiu, V., Gheorghe, R., Barbilian, A., Ionescu, O, Oproiu, M. Remote Sensing System for Motor Nerve Impulse April 2022 *Sensors* 22(8):2823 DOI: 10.3390/s22082823 LicenseCC BY 4.0, <https://www.mdpi.com/1424-8220/22/8/2823> WOS:000786926600001
- C.1.7.** Gratiela GradisteanuPircalabioru, Florina Silvia Iliescu, Grigore Mihaescu, Alina Irina Cucu, Octavian Narcis Ionescu, Melania Popescu, Monica Simion, Liliana Burlibasa, Mihaela Tica, Mariana Carmen Chifiriuc, Ciprian Iliescu. „Advances in the rapid diagnostic of viral respiratory tract infections” in *Frontiers in Cellular and Infection Microbiology*, section Clinical Microbiology , Edited by: Luc Bissonnett *Front Cell Infect Microbiol.* 2022 Feb 10;12:807253. eCollection 2022, DOI: 10.3389/fcimb.2022.807253, <https://pubmed.ncbi.nlm.nih.gov/35252028> WOS:000766909600000
- C.1.8.** Ioan Valentin Tudose, Kyriakos Mouratis, Octavian Narcis Ionescu, Cosmin Romanitan , Cristina Pachiu , Marian Popescu , Volodymyr Khomenko , Oksana Butenko , Oksana Chernysh , George Kenanakis , Viacheslav Z. Barsukov, Mirela PetrutaSuchea, Emmanouel Koudoumas., „Novel Water-Based Paints for Composite Materials Used in Electromagnetic Shielding Applications. *Nanomaterials*, 2022, nr 12, 487. ISSN 2079-4991, <https://doi.org/10.3390/nano12030487>, *Nanomaterials* | Free Full-Text | Novel Water-Based Paints for Composite Materials Used in Electromagnetic Shielding Applications (mdpi.com) WOS:000755284900001
- C.1.9.** Ionescu Octavian, Cernica, I, Manea, E ,Parvulescu, C, Istrate, A, Ionescu, G, Suchea, MP, Integration of Micro-Structured Photovoltaic Cells into the Ultra-Light Wing Structure for Extended Range Unmanned Aerial Vehicles, *APPLIED SCIENCES-BASEL* , Volume11, Issue22,Article Number10890, DOI10.3390/app112210890, Published NOV 2021, Indexed2021-12-05, <https://www.mdpi.com/2076-3417/11/22/10890> WOS:000724409500001

- C.1.10.** Bunea, AC ; Dediu, V ; Laszlo, EA; Pistritu, F; Carp, M ; Ilescu, FS; **Ionescu, ON**; Ilescu, C ; E-Skin: The Dawn of a New Era of On-Body Monitoring Systems, MICROMACHINES, Volume12, Issue 9, Article Number1091, DOI10.3390/mi12091091, PublishedSEP 2021, Indexed2021-10-06, <https://www.mdpi.com/2072-666X/12/9/1091> WOS:000701080700001
- C.1.11.** Marian Ion, Silviu Dinulescu, Bogdan Fartat, Mihaela Savin, **Octavian Ionescu**, Carmen. Design and Fabrication of a New Wearable Pressure, Sensors-21-02075-v2.pdf, <https://doi.org/10.3390/s21062075>, <https://www.mdpi.com/1424-8220/21/6/2075/pdf> WOS:000652715000001
- C.1.12.** Bardeanu, H; Matei, F; Popescu, PA; **Ionescu, O**; Jurcoane, S Improving A Biogas Plant Parameters In The Conversion Context Of Replacing The Corn Silo With Agri-Food Wastescientific Papers-Series E-Land Reclamation Earth Observation & Surveying Environmental Engineering, Volume10, Page17-23, Published2021, Indexed2021-12-18/, <http://landreclamationjournal.usamv.ro/pdf/2021/Art2.pdf> WOS:000704605600002
- C.1.13.** Paun, C; Tomescu, R; Parvulescu, C; **Ionescu, O**; Gavrilă, DE; Cristea, D Microheater optimized for the integration with metasurface-based IR sources for gas sensing application, Romanian Journal Of Information Science And Technology, Volume24, Issue2, Page201-212, Special IssueSI, Published2021, Indexed2021-07-09record/, <https://www.romjist.ro/full-texts/paper688.pdf> WOS:000668010700005
- C.1.14.** Maria Roxana MARINESCU , Bogdan Cătălin ȘERBAN , Cornel COBIANU3 , Niculae DUMBRĂVESCU , Octavian IONESCU , Octavian BUIU , Liviu Daniel GHICULESCU, MECHANICAL PROPERTIES OF CARBON-BASED NANOCOMPOSITES FOR SENSORS USED IN BIOMEDICAL APPLICATIONS, U.P.B. Sci. Bull., Series B, Vol. 83, Iss. 1, 2021 ISSN 1454-2331, Accession Number WOS:000627764100004, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez5ae_106907.pdf
- C.1.15.** Athena Maniadi, Maria Vamvakaki, Mirela PetrutaSuchea *, Ioan Valentin Tudose, Marian Popescu, Cosmin Romanitan, Cristina Pachi, **Ionescu Octavian**, Zaharias Viskadourakis, George Kenanakis, Koudoumas Emmanouel , Effect of graphene nanoplatelets on the structure, the morphology and the dielectric behavior of low density polyethylene nanocomposites, MATERIALS, ISSN 1996-1944 Volume: 13 Issue: 21, Article Number: 4776 DOI: 10.3390/ma13214776 Published: NOV 2020 PubMed ID: 33114722/ eISSN: 1996-1944, Accession Number: WOS:000589393500001, <https://www.mdpi.com/1996-1944/13/21/4776>
- C.1.16.** Petronela, P., Mihaela, H., Niculae, O., Anton, A., **Ionescu, O.**, „New electrospun ZnO:MoO₃ nanostructures: Preparation, characterization and photocatalytic performance” July 2020, Nanomaterials ISSN 2079-4991 10(8), DOI: 10.3390/nano10081476, LicenseCC BY PubMed ID: 32731528/ eISSN: 2079-4991 WOS:000564769900001, <https://www.mdpi.com/2079-4991/10/8/1476>

- C.1.17.** Simionescu, OG; Pachiu, C; **Ionescu Octavian**; Dumbravescu, N; Buiu, O; Popa, RC; Avram, A ; Dinescu, G „Nanocrystalline graphite thin layers for low-strain, high-sensitivity piezoresistive sensing” REVIEWS ON ADVANCED MATERIALS SCIENCE, Volume: 59 Issue: 1 Pages: 306-313, DOI: 10.1515/rams-2020-0031, Published: JAN 2020, WOS:000557463800001 <https://www.degruyter.com/document/doi/10.1515/rams-2020-0031/html>
- C.1.18.** Cobianu, C ,Dumbravescu, N ; Serban, BC ; Romanitan, C.,Buiu, O., Comanescu, F , Danila, M .; Marinescu, R ; Avramescu, V , **Ionescu, Octavian** . „Sonochemically synthesized ZnO-Graphene nanohybrids and its characterization” REVIEWS ON ADVANCED MATERIALS SCIENCE ,Volume: 59 Issue: 1 Pages: 176-187, DOI: 10.1515/rams-2020-0013 Published: JAN 2020, WOS:000543743300001 <https://www.degruyter.com/document/doi/10.1515/rams-2020-0013/html?lang=de>
- C.1.19.** V. Dumitru, Cristina Besleaga, **Ionescu Octavian** Narcis, „Analog IGZO memristor with extended capabilities” June 2020, IEEE Journal of the Electron Devices Society PP(99):1-1DOI: 10.1109/JEDS.2020.3006000ISSN 2168-6734, Project: Innovative hardware based cyber-security solutions, <https://ieeexplore.ieee.org/document/9223154> WOS:000550636000003
- C.1.20.** Pascariu, P; Vernardou, D; Sucheai, M; Airinei, A Ursu, L Bucur, S; Tudose, I V; **Ionescu Octavian**; Koudoumas, E „Tuning electrical properties of polythiophene/nickel nanocomposites via fabrication”, MATERIALS & DESIGN, ISSN 0264-1275 Volume: 182, Article Number: UNSP 108027,DOI: 10.1016/j.matdes.2019.108027, Published: NOV 15 2019, WOS:000488458700016 <https://www.sciencedirect.com/science/article/pii/S0264127519304654>
- C.1.21.** C. Cobianu ,B. C. Serban, O. Buiu, **Ionescu Octavian**, N Dumbravescu; Effect of Silicon Surface Cleaning on Electrical Properties of As-Deposited Atomically Layer-Deposited (ALD) HfO2 Films Obtained From Tetrakis(dimethylamino)Hafnium (TDMAH) and Water May 2019 Romanian Journal of Information Science and Technology 22(Number 1 /2019):41-56, WOS:000543743300001 <https://romjist.ro/full-texts/paper617.pdf>
- C.1.22.** Serban, B.C., Buiu, O., Brezeanu M. , Ionescu. Octavian Cobianu, C., „Short communication Nanostructured semiconducting metal oxides for ethanol gas sensing. A possible HSAB interpretation” ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY,Volume: 21 Issue: 1 Pages: 93-96,Published: 2018, WOS:000433876800007 <https://www.romjist.ro/full-texts/paper583.pdf>
- C.1.23.** A. M Oproiu, I. Lascar, C. Moldovan, O. Dontu, M. PANTAZICA, C. MIHAILA, C. FLOREA, L. DOBRESCU, I. SEBE,R. SCARLET, D. DOBRESCU, T. NEAGU, IONESCU OCTAVIAN, I. C. STOICA, and A. EDU , Peripheral Nerve WIFI Interfaces and Electrodes for Mechatronic Prosthetic Hand, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY Volume 21 ,

Number 2, 2018, 129–138, WOS:00045589960000 <https://www.romjist.ro/full-texts/paper586.pdf>

- C.1.24.** B. C. Serban, M. Brezeanu, A. D. Luca, S. Z. Ali, O. Buiu, C. Cobianu, A. Stratulat, F. Udrea, V. Avramescu, N. Varachiu, **Ionescu Octavian**, and G. Ionescu, Nanostructured metal oxides semiconductors for oxygen chemiresistive sensing, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, ISSN 1453-8245, Volume 20, Number 2, 2017, 86–100, WOS:000416213300001 <https://www.romjist.ro/full-texts/paper583.pdf>
- C.1.25.** **Ionescu Octavian**, Octavian Buiu, Bogdan Serban, Gabriela Ionescu, Studies on the development of an inferential method for battery state of health assessment, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, ISSN 1453-8245, Volume 19, Number 4, 2016, 310–320, WOS:000405151700001 <https://www.romjist.ro/full-texts/paper539.pdf>
- C.1.26.** Viorel Dumitru, Stefan Costea, Mihai Brezeanu, George Stan, Cristina Besleaga, Aurelian Galca, Gabriela Ionescu, **Ionescu Octavian** - InN based water condensation sensors on glass and flexible plastic substrates, Sensors 2013, no.13, 16940-16949, ISSN 1424-8220, doi:10.3390/s131216940, WOS:000330220600059, <https://www.mdpi.com/1424-8220/13/12/16940>
- C.1.27.** **Ionescu, O** ; Ionescu, G , Experimental research on corrosion resistance of duplex stainless steel welds produced by opod GMAW process, Metalurgia international, Volume: 14 Pages: 23-26 Special Issue: 17, Published: 2009, <https://www.webofscience.com/wos/woscc/full-record/> WOS:000273720900005

C. 2 Articole publicate în lucrările unor conferințe indexate Clarivate Analytics Web of Science (ISI Proceedings - CPCI)

- C.2.1.** Paun, C., Tomescu, R., Cristea, D., **Ionescu, O.**, Parvulescu, C., „Design, fabrication and characterization of a micro-heater for metasurface-based gas sensors”, International Semiconductor Conference (CAS), 2020 Pagini 31-34
DOI: 10.1109/CAS50358.2020.9267975, WOS:000637264600007
<https://ieeexplore.ieee.org/abstract/document/9267975>
- C.2.2.** Pascu, R., Kusko, M., **Ionescu, O.**, Pristavu, G., Brezeanu, G., Electrical defects in grown oxide on SiC and from the oxide/SiC interface, International Semiconductor Conference, Book Series International Semiconductor Conference, Page 37-40, Published 2020, Indexed 2021-05-15 DOI: 10.1109/CAS50358.2020.9268016, WOS:000637264600008
<https://ieeexplore.ieee.org/abstract/document/9268016>
- C.2.3.** L. Blystad, P. Ohlckers, L. Marchetti, E. Franti, M. Dascalu, O. Ionescu, D. Dobrescu, L. Dobrescu, C. Niculae, D. Dragomir, B K Hønsvall, C O Opris, K Imenes, M. Ion, A. M. Oproiu, A-M Pascalau, C. Moldovan, B. Firtat, V. Ristoiu, R. Gheorghe, A. Barbilian „ Bidirectional neuroprosthesis system integration” 2020/9/15 2020 IEEE

- 8th Electronics System-Integration Technology Conference (ESTC) Conferință, Pagini 1-7, DOI: 10.1109/ESTC48849.2020.9229697, WOS:000631824100027
<https://ieeexplore.ieee.org/abstract/document/9229697>
Bidirectional neuroprosthesis system integration
- C.2.4.** Octavian Ionescu ; Viorel Dumitru ; Emil Pricop;Cristina Besleaga, UAV identification system based on memristor physical unclonable functions 2020 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Year 2020, Conference Paper, Publisher IEEE, WOS:000627393500034
<https://ieeexplore.ieee.org/document/9223154>
- C.2.5.** Paun, C., Obreja, C., Comanescu, F., Tucureanu, V., Tutunaru, O., Romanitan, C., Ionescu, O., „Epoxy nanocomposites based on MWCNT”, Edited by: Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D, Book Series: International Semiconductor Conference, (CAS 2019), 42ND EDITION, Pages: 237-240, Published: 2019, WOS:000514295300050
<https://ieeexplore.ieee.org/abstract/document/8923947>
- C.2.6.** Cobianu, C., Dumbravescu, N., Serban, B., Buiu, O., Comanescu, F., Romanitan, C., Danila, M., Avramescu, V., Ionescu, O., „Facile 3D nanostructured ZnO-graphene hybrids for gas sensing applications”, Edited by: Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D Book Series: International Semiconductor Conference, (Cas 2019), 42nd Edition Pages: 27-30, Published: 2019, WOS:000514295300004
<https://ieeexplore.ieee.org/abstract/document/8923765>
- C.2.7.** Dumbravescu, N; Ionescu, Octavian ; Cernica, I; Buiculescu, V ; Pistritu, F; Mitrea, C, Significant enhancement of electrical behavior of SAW devices on langasite and quartz substrates obtained by improvements in design and technology 2019 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS 2019), 42ND EDITION, Book Series: International Semiconductor Conference Pages: 259-262m Published: 2019, WOS:000514295300054
<https://ieeexplore.ieee.org/abstract/document/8923862>
- C.2.8.** Ionescu Octavian, Viorel Dumitru, Emil Pricop, Octavian Buiu, Cornel Cobianu, Mihai Raneti, Stefan Pircalabu, Costin Marica, On the development of a robust cyber security system for Internet of Things devices, 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI, Pagini 1-5) JUN 27-29, 2019, Accession Number: WOS:000569985400049, ISBN:978-1-7281-1624-2, ISSN: 2378-7147, https://ieeexplore.ieee.org/abstract/document/9042004.
- C.2.9.** Loreggia, D.,; Capobianco, G., Fineschi, S., Massone, G., Thizy, C., Galy, C., Ionescu O., et all 12 Author(s) „The Occulter Position Sensor Emitters (OPSE) metrology sub-system for the PROBA-3 mission”, IEEE 5th International Workshop on Metrology for AeroSpace (MetroAeroSpace), 2019, https://ieeexplore.ieee.org/document/8869628, WOS:000713898100088
<https://www.scopus.com/authid/detail.uri?authorId=35299353200>

- C.2.10.** Giura, I., Pachiu, C., Popescu, M., Bită, B., Ionescu, O., Suchea, M., „Methods for Art Preservation and Restauration. Identification of parameters for potential monitoring the temporal evolution of putties”, Edited by:Brezeanu, G., Ciurea, M., Cristea, D., Dinescu, M., Dobrescu, D., Dragoman, M., Muller, A., Muller, R., Neculoiu, D., CAS 2018 PROCEEDINGS: 2018 International Semiconductor Conference, Pages: 291-294, Published: 2018, WOS:000514386700060 <https://ieeexplore.ieee.org/abstract/document/8539821>
- C.2.11.** Cobianu, C., Nastase, F., Dumbravescu, N., Buiu, O., Albu, A., Serban, B., Danila, M., Romanitan, C., Ionescu, O., „Electrical Properties Of As-Deposited Ald Hfo2 Films Related To Silicon Surface State”, Edited by:Brezeanu, G., Ciurea, M., Cristea, D., Dinescu, M., Dobrescu, D., Dragoman, M., Muller, A., Muller, R., Neculoiu, D., CAS 2018 PROCEEDINGS: 2018 International Semiconductor Conference, Pages: 69-72, Published: 2018, WOS:000514386700010 <https://ieeexplore.ieee.org/abstract/document/8539782>
- C.2.12** Pascariu, P., Tudose, I., Pachiu, C., Danila, M., Ionescu, O., Popescu, M., Koudoumas, E., Suchea, M., „Graphene and TiO2 - PVDF nanocomposites for potential applications in triboelectronics”, Edited by:Brezeanu, G., Ciurea, M., Cristea, D., Dinescu, M., Dobrescu, D., Dragoman, M., Muller, A., Muller, R., Neculoiu, D., CAS 2018 PROCEEDINGS: 2018 International Semiconductor Conference, Pages: 237-240 Published: 2018, WOS:000514386700047 <https://ieeexplore.ieee.org/abstract/document/8539781>
- C.2.13.** Cobianu, C., Serban, B., Stratulat, A., Buiu, O., Ionescu, O., Diaconu, C., Piesker, A., „Protective Chemical Gloves With End Of Service Life Indication-A Conceptual View”, International Semiconductor Conference (CAS), 40TH EDITION Book Group Author(s):IEEE, Book Series: International Semiconductor Conference, Pages: 231-234, Published: 2017, WOS:000425844500049 <https://ieeexplore.ieee.org/abstract/document/8101209>
- C.2.14.** Stan, M., Husu, A., Ionescu, O., „Automatic System for Monitoring of Strategic Infrastructure Using Wireless Sensors” 2017 10TH International Symposium On Advanced Topics In Electrical Engineering (ATEE),. Book Group Author(s):IEEE Book Series: International Symposium on Advanced Topics in Electrical Engineering, Pages: 898-902, Published: 2017 Conference: 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Location: Bucharest, ROMANIA., Date: MAR 23-25, 2017, WOS:000403399400174 <https://ieeexplore.ieee.org/abstract/document/7905034>
- C.2.15.** Serbanescu, M., Ionescu, O., Georgescu, I., Dumitru, V., Buiu, O., „Studies for an optimal balancing system for Li ion batteries based on State of Health assessment”, 39TH International Semiconductor Conference (CAS16) Book Group Author(s):IEEE Book Series: International Semiconductor Conference Pages: 213-216 Published: 2016, WOS:000391323300044 <https://ieeexplore.ieee.org/abstract/document/7783089>

- C.2.16.** Nae, I., Ionescu, G., Ionescu, O., „Planning and Supervising Assembly Works using Microsoft Project”, Edited by: Xu, D, Conference: 2nd International Conference on Manufacturing (Manufacturing) Book Series: Advanced Materials Research, Volume: 909 Pages: 192-197, DOI: 10.4028/www.scientific.net/AMR.909.192 Published: 2014, wos:000348122200038 <https://www.scientific.net/AMR.909.192>
- C.2.17.** Ionescu, G., Ionescu, O., Popovici, S., Costea, S., Dumitru, V., Brezeanu, M., Stan, G., Pasuk, I., „Wireless AIN sensor for condition based monitoring of industrial equipment”, International Semiconductor Conference (CAS), VOLS 1-2, Book Group Author(s):IEEE, Book Series: International Semiconductor Conference, Pages: 55-58, Published: 2013, wos:000330220600059 <https://ieeexplore.ieee.org/abstract/document/6688087>
- C.2.18.** Ionescu O; Pricop, E; Paraschiv, P. „ The Management of Health and Safety Issues Related to the Wearing of Protective Clothing by Using RFID Technology, ICEEM 2012: 2012 2ND INTERNATIONAL CONFERENCE ON ECONOMIC, EDUCATION AND MANAGEMENT, VOL 1, Edited by:Zhu, M, Pages: 495-499, Published: 2012, <https://www.webofscience.com/wos/woscc/full-record/WOS:000318122400088>
- C.2.19.** Ionescu, O., Ionescu, G., „Study On The Behavior Of Dosing Scales In An Environment Affected By Severe Vibrations”, Annals Of Daaam For 2009 & Proceedings Of The 20th International Daaam Symposium, Edited by:Katalinic, B Book Series: Annals of DAAAM and Proceedings, Volume: 20 Pages: 1357-1358, Published: 2009, <https://www.webofscience.com/wos/woscc/full-record/WOS:000282335600679>
- C.2.20.** Ionescu, O; Ionescu G., Training system for welding operators, ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM, Edited by:Katalinc, B, Book Series: Annals of DAAAM and Proceedings, Pages: 635-636, Published: 2008, <https://www.webofscience.com/wos/woscc/full-record/WOS:000262860100317>
- C.2.21.** Ionescu O , IonescuG, System for the Management of Raw Materials Based on RFID Technology Applied Mechanics and Materials, Volume 371, Pages:797-801, DOI:<https://doi.org/10.4028/www.scientific.net/AMM.371.797>, <https://www.scientific.net/AMM.371.797>
- C.2.22.** I.Nae, G.C.Ionescu, Ionescu Octavian, M. Minescu, Considerations on the wearing of cutting tools made off syntherized metallic carbides, Journal of the Balkan Tribological Association, vol.22, no.1A-1, 2016, pag. 592-604, ISSN 1310-4772, WOS:000381247600006 <https://www.webofscience.com/wos/woscc/full-record/WOS:000381247600006>

- C.2.23.** Ionescu Octavian, G. C., Minescu, M., Nae, I. – Research on life prolongation for temperature sensors placed in highly erosive environment, Journal of the Balkan Tribological Association, vol.19, no.2, 2013, pag.214 -220, ISSN 1310-4772, WOS:000321796300005
RESEARCH ON LIFE PROLONGATION FOR TEMPERATURE SENSORS PLACED IN HIGHLY EROSIIVE ENVIRONMENT-Web of Science Core Collection (e-nformation.ro)
- C.2.24.** Ionescu Octavian., Ionescu, G. C., Minescu, M., Nae, I. – Studies on wear protection for humidity sensor in a sand drying plant, Journal of the Balkan Tribological Association, vol.18, no.1, 2012, pag.51-57, ISSN 1310-4772, <http://scibulcom.net/ibtan.php>; WOS:000302843400006
STUDIES ON WEAR PROTECTION OF HUMIDITY SENSOR IN A SAND DRYING PLANT-Web of Science Core Collection (e-nformation.ro)
- C.2.25.** G.C. Ionescu, Ionescu Octavian, N.N.Antonescu, I.Nae – New image processing based method for automated welding technology, Journal of the Balkan Tribological Association, vol.16, no.2, 2010, pag.189-196, ISSN 1310-4772, <http://scibulcom.net/ibtan.php>; <https://www.webofscience.com/wos/woscc/full-record/> WOS:000280725400003

D. Publicațiile în extenso apărute în lucrări ale principalelor conferințe internaționale de specialitate

D1 Lucrări publicate la conferințe indexate în IEEE Xplore

- D1.1.** Suchea, M., Ionescu, O., Tudose, I., Mouratis, K., Romanitan, C., Pachi, „*SnO₂ and Ni doped SnO₂ /polithiophene nanocomposites for gas sensing applications*” Solid State Electronics Letters, Volume 2, December 2020, Pages 85-91, <https://doi.org/10.1016/j.ssel.2020.11.003>, <https://www.elsevier.com/search-results?query=SnO2%20and%20Ni%20doped%20SnO2%20%2Fpolithiophene%20nanocomposites%20for%20gas%20sensing%20applications%20Solid%20State%20Electronics%20Letters&scles>
- D1.2.** E. Koudoumas; O. N. Ionescu; V. Z. Barsukov; M. P. Suchea Innovative composite materials for electromagnetic shielding, International Semiconductor Conference (CAS), Date of Conference: 12-14 October 2022 Date Added to IEEE Xplore: 09 November 2022 INSPEC Accession Number: 22239606 DOI: 10.1109/CAS56377.2022.9934416 <https://25106bsj2-y-https-ieeeexplore-ieee-org.z.e-nformation.ro/document/9934416>

E. Brevete de invenție

E.1.1 Brevete de invenție internaționale acordate

- E.1.1.1** Serban, B., Buiu, O., Ionescu, O., Buiu, A., Chemiresistor humidity sensor and fabrication method thereof, USPTO (United States Patent Office) US114,60427 (B1),
<https://register.epo.org/documentView?number=US.201816176628.A&documentId=1-1-US++161766280XP1>
- E.1.1.2.** Ionescu O., Dumitru V., Marica C., Marica V., Luca M., Pircalabu S., Method and System for Data Validation Using Memristors, USPTO (United States Patent Office) US 11455258 (B1),
<https://register.epo.org/documentView?number=US.201916532003.A&documentId=1-1-US++165320030VP1>
- E.1.1.3.** Ionescu, O., Brezeanu, M., Buiu, O., Dumitru, V., Georgescu, I., Serban, B., EPO European Patent number EP3279993 (B1) „Battery Life Prolongation”, -
<https://worldwide.espacenet.com/patent/search/family/056557636/publication/EP3279993A1?q=pn%3DEP3279993A1>
- E.1.1.4.** Dumitru, V; Pircalabu, S; Ionescu, O, Marica, C; Marica, V; Luca, M, USPTO (United States Patent Office) „Secure communication system and method”” US patent number US11356422 (B1) granted by the patent office on 2022-06-07. 111,356,422 Secure communication system and method
- E.1.1.5.** Lucrari carti articole brevete\Brevete acordateNew folder\E.1.1.5. Cyber security system for iot devUSPTO10972486.pdf
- E.1.1.6.** Ionescu, O., Buiu O., Georgescu, I., Dumitru, V., Serban, B., Brezeanu, M., Serbanescu, M., USPTO (United States Patent Office) „Adaptive balancing for battery management”, U.S. patent number US11034259B2· granted by the patent service on 2021-06-15,
<https://worldwide.espacenet.com/patent/search?q=pn%3DUS11034259B2>

E.2.1 Brevete de invenție naționale acordate

- E.2.1.1** Metodă și sistem de securitate a aeroporturilor civile împotriva atacurilor teroriste cu rachete portabile sol-aer : Brevet de invenție RO 129740 B1 din 30.06.2016, acordat de Oficiul de Stat pentru Invenții și Mărci – OSIM, România. Inventatori: **Ionescu Octavian Narcis, Pricop Emil, Ionescu Gabriela Cristina,**
<https://ro.espacenet.com/publicationDetails/originalDocument?FT=D&date=20160630&DB=&locale=ro RO&CC=RO&NR=129740B1&KC=B1&ND=4>
- E.2.1.2** Sistem de siguranța pentru echiparea rachetelor antiaeriene dirijate radio, Brevet de invenție RO111224B1 Acordat de către Oficiul de Stat pentru Invenții și Mărci – OSIM România, CÎRSTOIU EMIL; EPARU ALEXANDRU ION DĂNUȚ ; **IONESCU OCTAVIAN** ; LOVASZ SANDOR ; MERIȘCĂ CORNEL ; MĂTREAȚĂ ADRIAN ; PĂRĂOANU NECULAI ; PĂTRAȘCU CONSTANTIN; ROȘCA GABRIEL,
<https://worldwide.espacenet.com/patent/search/family/064361016 /publication /RO111224B1?q=pn%3DRO111224B1>

F. Proiecte de cercetare-dezvoltare-inovare pe baza de contract/grant**F1. Project Manager / responsabil proiect****F1.1. Proiecte internaționale**

1. AGS WBDL - NATO - Research, Design and Implement the verification, test and calibration line, Leonardo Airspace and Defence Romania.

F1.2. Proiecte naționale

2. Intelligent , airborne sensors system for high voltage power lines monitoring, PN-III-P2-2.1-CI-2017-0265 , Call name: P 2 - SP 2.1 - Cecuri de inovare PN-III-P2-2.1-CI-2017-0265 2017 – 2017,
3. Design and development of a monitoring system in order to prevent malicious activities for high voltage "trianon" masts, PN-II-IN-CI-2013-1-0052, Call name: Cecuri de Inovare 2013, PN-II-IN-CI-2013-1-0052 2013 – 2014
4. **O Ionescu, I Cernica E Manea, ”Sistem de celule fotovoltaice microtexturate de eficienta sporita integrat in aripa unui avion fara pilot (UAV) cu aplicatii in securitatea societala”, pentru activități din categoria D - Activități de cercetare industrială și/sau dezvoltare experimentală (CD) realizate de organizația de cercetare în colaborare efectivă cu întreprinderea C77.D**
5. **O.Ionescu, C.Bucur, D.Zisopol, C. Ianache, O.Dinu, G. Ionescu, „Servicii de elaborare a unui studiu privind functionarea modulelor pentru integrarea in rețelele inteligente a sistemelor de producere a energiei electrice din surse regenerabile” nr. Contract 22/2011, Beneficiar S.C. Electrica Muntenia Nord S.A., 6 persoane, val. cu TVA 53320 lei;**
6. **O.Ionescu, O Buiu, N.Dumbravescu, „Anduranță la acțiunea vibrațiilor aleatoare și mecanice, Stabilitate la temperatură și umiditate, Stabilitatea la acțiunea radiației solare-Testare sisteme optice SIOBLIN” proiect Nr.C77.2B/ 08.07.2020**

F2. Membru in colectivul de implementare**F2.1. Proiecte internaționale**

1. PROBA-3 ASPIICS OPSE HARWARE – Contract No. 4000111522 / 14 / NL / GLCESA OPSE,
2. Lucrari carti articole brevete\Proiecte\ANEXA2 Adeverinta INCDIMT (3).pdf
3. Accelerating Innovation in Microfabricated devices-Moore4Medical CodSMIS2014+:137529 Contract 15/1.1.3H/390018/19.03.2021

F2.1. Proiecte naționale

1. Contract de finantare pentru executie proiecte de CDI, Nr. 121 /20.07.2017Programul de Cercetare-Dezvoltare-Inovare pentru Tehnologie Spațială și Cercetare Avansată – STAR Tip proiect: CDI SISTEME DE ALINIERE OPTICĂ PENTRU ZBORURILE SPAȚIALE ÎN FORMAȚIE ȘI DEORBITAREA REZIDUURILOR DIN SPAȚIU (OASYS)
2. Metoda si dispozitiv de testare la domiciliu pentru detectarea precoce a virusului SARS-CoV-2 Proiect finantat in cadrul PNIII, Programul 2- Creșterea competitivității economiei românești prin cercetare-dezvoltare și inovare, domeniul de prioritate publică “Sănătate”, Competiția SOLUȚII -2020 -1.Contract Nr. 13Sol/15.06.2020
3. “:Tehnologii suport de realizare a ariilor de elemente micro-optice pentru aplicații spațiale.” Contract de finantare Nr. 165 / 20 Iulie 2017 Programul de Cercetare-Dezvoltare- Inovare pentru Tehnologie Spațială și Cercetare Avansată – STAR Tip proiect: CDI,
4. SAW Microsensors New Technologies for Specific Space Conditions Call name: P 2 - SP 2.1 - Proiect experimental – demonstrativ, PN-III-P2-2.1-PED-2016-1653 2017 – 2018, <http://www.imt.ro/saw-meteoritics/>
5. Innovative system for using indoor 3d lighting advertising displays for air purification purpose, PN-III-P2-2.1-CI-2018-1112, Call name: P 2 - SP 2.1 - Cecuri de inovare, PN-III-P2-2.1-CI-2018-1112 2018 – 2018, <http://www.imt.ro/EcoReclama/>
6. Developing quantum information and quantum technologies in RomaniaCall name: P 1 - SP 1.2 - Proiecte complexe realizate in consorții CDI, PN-III-P1-1.2-PCCDI-2017-0338 2018 – 2021, <https://roqnet.ro/qutech-ro/>
7. Sistem mobil adaptiv de mixare si dispersare a unor solutii coloidale inovative cu nanoparticule pentru neutralizarea toxicitatii agentilor chimici, biologici si radiologici, PN-III-P2-2.1-PED-2019-4222
8. Nanostructured carbon based materials for advanced industrial applications, Call name: P 1 - SP 1.2 - Proiecte complexe realizate in consorții CDI, PN-III-P1-1.2-PCCDI-2017-0619, <http://www.imt.ro/nanocarbon+/>
9. C.Bucur, O.Ionescu, , A. Savulescu, G. Ionescu, I.Nae, Servicii de elaborare a unui studiu privind eficientizarea masurilor de integrare a producatorilor de energie electrica utilizand surse regenerabile in rețelele electrice de distributie din zona S.C. F.D.E.E. Electrica Distributie Muntenia Nord S.A., nr. Contract 23/2011, 5 persoane, Beneficiar S.C. Electrica Muntenia Nord S.A., val. (cu TVA) 44400 lei.
10. G.Ionescu, O Ionescu, I.Nae, M.Minescu, C.Bucur, G.Radulescu, D.Orhei, G.Stan, E.Pricop, “Serviciu privind elaborarea unui studiu si a unei aplicatii pentru un sistem de protectie la lucrari si cresterea electrosecuritatii in domeniul lucrarilor la inalta tensiune, in instalatii electrice inteligente, in cadrul S.C. F.D.E.E. ELECTRICA

DISTRIBUTIE MUNTENIA NORD”nr. contract 4/17.01.2013, valoare 45000lei, Beneficiar S.C. Electrica Muntenia Nord S.A. ;

11. PN-III-P2-2.1-PED2019-4146, Dispozitiv electrochimic modular pentru stocarea de sarcina Multi-celled electrochemical STOrage Devices Call name: P 2 - SP 2.1 - Proiect experimental – demonstrativ ,PN-III-P2-2.1-PED-2019-4146 2019 – 2021
12. RANGE OF IMAGE OPTICAL SYSTEMS WITH ZOOM FOR MWIR SPECTRAL FIELD WITH SECURITY APPLICATIONS, Call name: P 2 - SP 2.1 - Proiect de transfer la operatorul economic, PN-III-P2-2.1-PTE-2019-0465 2020 - 2022

F. Lista citărilor

Citări în cărți, reviste și volume ale unor manifestări științifice indexate WOS
<p>Lucrare citata: <u>Bunea, A.,Dediu, V., Laszlo, E., Pistritu, F., Carp, M., Iliescu, F.;; Ionescu, O., Iliescu, C; <i>E-Skin: The Dawn of a New Era of On-Body Monitoring Systems</i>, MICROMACHINES, Volume12, Issue 9, Article Number1091, DOI10.3390/mi12091091, PublishedSEP 2021, Indexed2021-10-06</u> https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000701080700001</p>
<p>1. Lucrare care citeaza: Iliescu, FS; Ionescu, AM; Gogianu, L; Simion, M; Dediu, V; Chifiriuc, MC; Pircalabioru, GG; Iliescu, C; <i>Point-of-Care Testing-The Key in the Battle against SARS-CoV-2 Pandemic</i> MICROMACHINES, Volume12 Issue12 Article Number 1464 Published DEC 2021 DOI10.3390/mi12121464 ISSN 2072-666X, WOS:000736266900001 https://www.mdpi.com/2072-666X/12/12/1464</p>
<p>2. Lucrare care citeaza Huang, TY; Lim, HL, <i>Electrogenic Staphylococcus warneri in lactate-rich skin</i> BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume 618 Page 67-72, Published AUG 27 2022 DOI10.1016/j.bbrc.2022.06.020 ISSN 0006-291X, WOS:000827684400010 https://2510a9dne-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S0006291X22008610?via%3Dihub</p>
<p>3. Lucrare care citeaza: Nghia, DX; Baek, JJ ; Oh, JY; Lee, TI ; <i>Deformable thermoelectric sponge based on layer-by-layer self-assembled transition metal dichalcogenide nanosheets for powering electronic skin</i> Ceramics International, Volume49 Issue6, Page9307-9315 DOI10.1016/j.ceramint.2022.11.097 ISSN 0272-8842, Published MAR 15 2023 WOS:000944313700001 https://1p10c4xng-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S0272884222041190?via%3Dihub</p>
<p>4. Lucrare care citeaza Chen, Y; Sun, YL; Wei, YY ; Qiu, JF ; <i>How Far for the Electronic Skin: From Multifunctional Material to Advanced Applications</i>, Advanced Material Technology, Volume8, Issue8, https://doi.org/10.1002/admt.202201352, PublishedAPR 2023 WOS:000928729000001, https://1p10g4xmj-y-https-online-library-wiley-com.z.e-nformation.ro/doi/10.1002/admt.202201352</p>
<p>5. Lucrare care citeaza: Wong, SHD ; Deen, GR ; Bates, JS ; Maiti, C ; Lam, CYK ; ; AlAnsari, R ; Belsky, P ; Yoon, J; Dodda, JM ; <i>Smart Skin-Adhesive Patches: From Design to Biomedical Applications</i>; Advanced Functional Materials, Volume33 Issue14 https://doi.org/10.1002/adfm.202213560 Published APR 2023</p>

<p>WOS:000919115500001 https://1p10g4xmj-y-https-onlinelibrary-wiley-com.z.e-nformation.ro/doi/10.1002/adfm.202213560</p>
<p>6. Lucrare care citeaza: Roy, AC; Kumar, N; Subramanya, SB; Gupta, A; Kumar, A; Bid, A; Venkataraman, V , <i>Large-Area 3D Printable Soft Electronic Skin for Biomedical Applications</i>, ACS BIOMATERIALS SCIENCE & ENGINEERING Volume8, Issue12, Page5319-5328 DOI10.1021/acsbmaterials.2c00241, WOS:000834347400001 Published DEC 12 2022 https://1p1104xuh-y-https-pubs-ac-s-org.z.e-nformation.ro/doi/10.1021/acsbmaterials.2c00241 https://doi.org/10.1021/acsbmaterials.2c00241</p>
<p>7. Lucrare care citeaza: Huang, TY ; Lim, HL, <i>Electrogenic Staphylococcus warneri in lactate-rich skin</i>, BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume 618 Page67-72 DOI10.1016/j.bbrc.2022.06.020, Published AUG 27 2022 https://doi.org/10.1016/j.bbrc.2022.06.020 WOS:000827684400010 https://1p10c4xva-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S0006291X22008610?via%3Dihub</p>
<p>8. Lucrare care citeaza: Yi, MK ; Lee, WK; Hwang, SO A Human Activity Recognition Method Based on Lightweight Feature Extraction Combined With Pruned and Quantized CNN for Wearable Device <i>IEEE TRANSACTIONS ON CONSUMER ELECTRONICS</i> Volume69 Issue3 Page657-670 Published AUG 2023 DOI10.1109/TCE.2023.3266506 ISSN 0098-3063, WOS:001049985800037 https://251069cmc-y-https-ieeeexplore-ieee-org.z.e-nformation.ro/document/10100934</p>
<p>9. Lucrare care citeaza: Gao, S; Cui, ZL ; Wang, XL; Sun, XY , Liquid metal E-tattoo, SCIENCE CHINA-TECHNOLOGICAL SCIENCES, Source Volume 66 Issue6 Page1551-1575 Published JUN 2023 DOI 10.1007/s11431-022-2301-0 ISSN 1674-7321; WOS:000994101500003 https://2510g9cmm-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s11431-022-2301-0</p>
<p>10. Lucrare care citeaza Chugh, V; Basu, A; Kaushik, A; Basu, AK, E-skin-Based advanced wearable technology for Health Management CURRENT RESEARCH IN BIOTECHNOLOGY, Volume5 Article Number 100129 Published 2023 DOI10.1016/j.crbiot.2023.100129, ISSN 2590-2628, WOS:001007501900001 https://2510a9cog-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S2590262823000114?via%3Dihub</p>
<p>11. Lucrare care citeaza: Song, RQ ; Ren, P ; Liu, YX (; Zhu, Y; Dong, JY; O'Connor, BT , Stretchable Organic Transistor Based Pressure Sensor Employing a Porous Elastomer Gate Dielectric ADVANCED MATERIALS TECHNOLOGIES, Volume8 Issue14 Published JUL 2023 DOI10.1002/admt.202202140 ISSN 2365-709X, WOS:000975776000001 https://1p10g4xmj-y-https-onlinelibrary-wiley-com.z.e-nformation.ro/doi/10.1002/admt.2022021401</p>
<p>12. Lucrare care citeaza: Fapanni, T ; El Bidweihy, H ; Zappa, D ; Comini, E ; Sardini, E; Serpelloni, M <i>Evaluation of the Curing Process Effects on the TCR of Temperature Sensors Printed by Aerosol Jet Printing. Volume23, Issue15, Page16625-16632, Published AUG 1 2023</i> DOI10.1109/JSEN.2023.3283797 ISSN 1530-437X, WOS:001044265000019 https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10149196</p>
<p>13. Lucrare care citeaza Lai, ZH; Xu, JC; (...); Zhou, SX Self-powered and self-sensing devices based on human motion, Joule, Volume6, Issue7, Page1501-1565 DOI10.1016/j.joule.2022.06.013 WOS:000878821400002 https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-</p>

record/WOS:000878821400002
<p>Lucrare citata</p> <p><u>Iliescu F, Hong L.T. , Toh JM. , Suchea MP, Ionescu O,Iliescu C.Early Notice Pointer, an IoT-like Platform for Point-of-Care Feet and Body Balance Screening, Journals Micromachines, Volume 13, Issue 5, 10.3390/mi13050682, 13(5), 682; https://doi.org/10.3390/mi13050682 (registering DOI), ISSN: 2072-666X https://www.mdpi.com/2072-666X/13/5/682</u> <u>WOS:000802457100001</u></p>
<p>14. Lucrare care citeaza</p> <p>Xu, YF; Ning, HH; (...); Liu, JJ, Portable Multi-Channel Electrochemical Device with Good Interaction and Wireless Connection for On-Site Testing, <i>Micromachines</i>, Volume14 Issue1 Article Number 142 Published JAN 2023 DOI10.3390/mi14010142 eISSN 2072-666X, WOS:000916372600001 https://www.mdpi.com/2072-666X/14/1/142</p>
<p>Lucrare citata</p> <p><u>Tudose, I., Mouratis, K., Ionescu, O., Romanitan, C., Pachiu, C.,Tutunaru O, Suchea, M., Koudoumas, E. Comparative Study of Graphene Nanoplatelets and Multiwall Carbon Nanotubes-Polypropylene Composite Materials for Electromagnetic Shielding, Nanomaterials 2022, 12(14), 2411; https://doi.org/10.3390/nano12142411, https://www.mdpi.com/2079-4991/12/14/2411</u> <u>WOS:000832333800001</u></p>
<p>15. Lucrare care citeaza</p> <p>Hong, GH; Qu, Q; (...); Liu, YX, Epiphyte-inspired multifunctional biocomposites for electromagnetic interference shielding, <i>Chemical Engineering Journal</i>, Volume 469, Article Number 143960 Published AUG 1 2023 DOI10.1016/j.cej.2023.143960 ISSN 1385-8947, WOS:001025770200001 https://2510a9fsn-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S1385894723026918?via%3Dihub</p>
<p>16. Lucrare care citeaza</p> <p>Fateixa, S; Landauer, M; (...); Bohm, R, Additive Manufacturing-Enabled Architected Nanocomposite Lattices Coated with Plasmonic Nanoparticles for Water Pollutants Detection, <i>Macromolecular Materials and engineering</i>, JUN 2023 DOI10.1002/mame.202300060 ISSN 1438-7492, WOS:001000013300001 https://2510b9fsr-y-https-online-library-wiley-com.z.e-nformation.ro/doi/10.1002/mame.202300060</p>
<p>17. Lucrare care citeaza</p> <p>Kruzalak, J; Kvasnicakova, A; (...); Hudec, I; Experimental investigation of absorption shielding efficiency of rubber composites, <i>Polimer Bulletin</i>, Early Access JAN 2023 DOI10.1007/s00289-023-04684-x ISSN 0170-0839, WOS:000920828500001 https://2510g9fsw-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s00289-023-04684-x</p>
<p>Lucrare citata</p> <p><u>Tudose, I., Mouratis, K., Ionescu, O., Romanitan, C., Pachiu, C., Picop E, M., Khomenko, V., Butenko, O., Chernysh, O., Kenanakis, G., Barsukov, V., Suchea, M., Koudoumas, E. Carbon Allotropes-Based Paints and Their Composite Coatings for Electromagnetic Shielding ApplicationsNanomaterials 2022, 12(11), 1839; https://doi.org/10.3390/nano12111839, https://www.mdpi.com/2079-4991/12/11/1839</u> <u>WOS:000809110600001</u></p>
<p>18. Lucrare care citeaza</p> <p>Cinan, ZM A theoretical focus on nanoparticle attenuation capabilities for potential utilizations in radiation protect: TiO2-SiO2-Fe3O4-B4C-Al2O3, <i>Physica Scripta</i> Volume98 Issue 8 Article Number 085315 Published AUG 1 2023 DOI10.1088/1402-4896/ace8d3 ISSN 0031-8949, WOS:001039970600001 https://2510w9ft6-y-https-iopscience-iop-org.z.e-nformation.ro/article/10.1088/1402-4896/ace8d3</p>

<p>19. Lucrare care citeaza Jin, XA; Lu, Y; (...); Wang, SS; Synthesis and Application of Ion-Exchange Magnetic Microspheres for Deep Removal of Trace Acetic Acid from DMAC Waste Liquid, <i>Nanomaterials</i>, Volume13 Issue3, Article Number 509, Published FEB 2023 DOI10.3390/nano13030509 eISSN 2079-499, WOS:000932885200001 https://www.mdpi.com/2079-4991/13/3/509</p>
<p>20. Lucrare cre citeaza Yoo, J and Lee, S, Experimental Study on Electromagnetic Shielding Characteristics of a Fe-Based Amorphous Soft Magnetic Composite Applied Science Basel, Volume12 Issue12 Article Number 6158 Published JUN 2022 DOI10.3390/app12126158 eISSN 2076-3417, WOS:000817654100001 https://www.mdpi.com/2076-3417/12/12/6158</p>
<p>Lucrare citata Tudose, I., Mouratis, K., Ionescu, O., Romanitan, C., Pachiu, C., Popescu, M., Khomenko, V., Butenko, O., Chernysh, O., Kenanakis, G., Barsukov, V., Suche, M., Koudoumas, E., M. Novel Water-Based Paints for Composite Materials Used in Electromagnetic Shielding Applications in <i>Nanomaterials</i>, 2022, nr 12, 487. ISSN 2079-4991 https://doi.org/10.3390/nano12030487, <i>Nanomaterials</i> Free Full-Text Novel Water-Based Paints for Composite Materials Used in Electromagnetic Shielding Applications (mdpi.com) WOS:000755284900001</p>
<p>21. Lucrare care citeaza: Gul, N Oztoprak, BG, <i>Investigation of electrical and electromagnetic properties of quartz fiber reinforced polymer composite material by using modified paints with carbon nanoparticles (graphene/double-walled carbon nanotube)</i>, <i>Journal of Composite Materials</i> Volume56 Issue19 Page3013-3027 Article Number 00219983221099332 Published AUG 2022 DOI10.1177/00219983221099332 ISSN 0021-9983, WOS:000800554000001 https://251199f42-y-https-journals-sagepub-com.z.e-nformation.ro/doi/10.1177/00219983221099332</p>
<p>22. Lucrare care citeaza: Bontas, MG; Diacon, A; (...); Rusen, E, <i>Epoxy Coatings Containing Modified Graphene for Electromagnetic Shielding</i>, <i>Polymers</i>, Volume14 Issue12 Article Number 2508 Published JUN 2022 DOI10.3390/polym14122508 eISSN 2073-4360 WOS:000816215200001 https://www.mdpi.com/2073-4360/14/12/2508</p>
<p>23. Lucrare care citeaza: Wu, LJ; Chen, ML; (...); Zhu, WK, Nano-SiO₂-Modified Waterborne Acrylic Acid Resin Coating for Wood Wallboard, <i>COATINGS</i>, Volume12 Issue10, Article Number 1453, Published OCT 2022 DOI10.3390/coatings12101453 eISSN 2079-6412 WOS:000872335900001 https://www.mdpi.com/2079-6412/12/10/1453</p>
<p>24. Lucrare care citeaza: Osman, AF; El Balaa, H; (...); Badawi, MS, <i>Assessment of X-ray shielding properties of polystyrene incorporated with different nano-sizes of PbO</i>, <i>Radiation and Environmental Biophysics</i>, Volume62 Issue2 Page235-251 Published MAY 2023 DOI10.1007/s00411-023-01017-4 ISSN 0301-634X, WOS:000953667000002 https://2510g9f4q-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s00411-023-01017-4</p>
<p>25. Lucrare care citeaza: Chutia, S and Phukan, K, Liquefied petroleum gas sensing activity of betel nut fiber-polyaniline conducting composites synthesized by time-controlled in situ polymerization, <i>Journal of Applied Polymer Science</i>, Volume140 Issue28 Published JUL 20 2023 DOI10.1002/app.54037 ISSN 0021-8995, WOS:000982500600001 https://2510b9f4y-y-https-onlinelibrary-wiley-com.z.e-nformation.ro/doi/10.1002/app.54037?cfchlrttk=UyZINX5eHgZDVblUfV7t5uagEO1LUKYpWvnaKbj8SN</p>

8-1695968112-0-gaNycGzNCzs

Lucrare citata

Pircalabioru, G., Iliescu, F., Mihaescu, G., Cucu, I., Ionescu, O., Popescu, M., Simion, M., Burlibasa, L., Tica, M., Chifiriuc, M., Iliescu, C., „Advances in the rapid diagnostic of viral respiratory tract infections” in *Frontiers in Cellular and Infection Microbiology*, section *Clinical Microbiology*, Volume12 Article Number807253 DOI10.3389/fcimb.2022.807253 PublishedFEB 10 2022, Indexed2022-03-28Document TypeReviewEdited by: Luc Bissonnett WOS:00076690960000 <https://www.frontiersin.org/articles/10.3389/fcimb.2022.807253/full> WOS:00076690960000

25. Lucrare care citeaza

Nieves, O; de Zárata, DO; (...); Griol, A, Development of Photonic Multi-Sensing Systems Based on Molecular Gates Biorecognition and Plasmonic Sensors: The PHOTONGATE Project, *Sensors*, Volume23Issue20 DOI10.3390/s23208548 WOS:001092651400001 <https://www.mdpi.com/1424-8220/23/20/8548>

26. Lucrare care citeaza

Liu, QQ; Jin, XJ; (...); Dai, YZ, Advances in the application of molecular diagnostic techniques for the detection of infectious disease pathogens (Review), *Molecular Medicine Reports*, Volume27 Issue5 Article Number 104 Published MAY 2023 DOI10.3892/mmr.2023.12991 ISSN 1791-2997 WOS:000970527300001 <https://www.spandidos-publications.com/10.3892/mmr.2023.12991>

27. Lucrare care citeaza

Lubin, IM; Astles, JR; (...); De Jesus, VR, The Clinical Laboratory Is an Integral Component to Health Care Delivery : An Expanded Representation of the Total Testing Process *American Journal of Clynical Pthology* Volume160 Issue2 Page124-129 Published AUG 1 2023 Early Access APR 2023 DOI10.1093/ajcp/aqad038 ISSN 0002-9173, WOS:000977152800001 <https://academic.oup.com/ajcp/article/160/2/124/7146178?login=false>

28. Lucrare care citeaza

Bayart, JL; Gillot, C; (...); Douxfils, J; Clinical performance evaluation of the Fluorecare SARS-CoV-2 & Influenza A/B & RSV rapid antigen combo test in symptomatic individuals, *Journal of Clynical Virology*, Volume161, Article Number 105419 Published APR 2023 DOI10.1016/j.jcv.2023.105419 ISSN 1386-6532 , WOS:000955210100001 <https://2510a9fsn-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S1386653223000410?via%3Dihub>

29. Lucrare care citeaza

Kim, KJ; Yun, SG; (...); Lee, CK, Usefulness of Combining Sputum and Nasopharyngeal Samples for Viral Detection by Reverse Transcriptase PCR in Adults Hospitalized with Acute Respiratory Illness, *Microbiology Spectrum*, Volume10 Issue 6 Published DEC 21 2022 DOI10.1128/spectrum.02775-22 ISSN 2165-0497, WOS:000885169700001 <https://journals.asm.org/doi/10.1128/spectrum.02775-22>

30. Lucrare care citeaza

Huang, HT; Huang, KS; (...); Dong, C, A Digital Microfluidic RT-qPCR Platform for Multiple Detections of Respiratory Pathogens, *Micromachines*, Volume13 Issue10, Article Number 1650, Published OCT 2022, WOS:000873269000001 DOI10.3390/mi13101650 eISSN 2072-666X <https://www.mdpi.com/2072-666X/13/10/1650>

Lucrare citata

Ion, M., Dinulescu, M., Fartat, B., Savin, M., Ionescu, O., Moldovan, C., *Design and Fabrication of a New Wearable Pressure Sensor for Blood Pressure Monitoring Sensors*, *Sensors* 2021, 21(6), 2075;

<p>WOS:000652715000001 https://doi.org/10.3390/s21062075https://www.mdpi.com/1424-8220/21/6/2075/pdf</p>
<p>31. Lucrare care citeaza <i>Eom, H., Roh, J., Hariyani, Y., Baek, S., Lee, S., Kim, S., Park, C., „Deep Learning-Based Optimal Smart Shoes Sensor Selection for Energy Expenditure and Heart Rate Estimation”, SENSORS, Volume21, Issue21, Article Number7058, DOI: 10.3390/s21217058, PublishedNOV 2021, Indexed2021-11-26</i> https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/ WOS:000719497400001</p>
<p>32. Lucrare care citeaza <i>Brophy, E., De Vos, M., Boylan, G., Ward, T., „Estimation of Continuous Blood Pressure from PPG via a Federated Learning Approach”, SENSORS, Volume21, Issue18, Article Number6311, PublishedSEP 2021, Indexed2021-10-06</i> DOI10.3390/s21186311, WOS:000700111200001 https://pubmed.ncbi.nlm.nih.gov/34577518/</p>
<p>33. Lucrare care citeaza Sun, ST; Xv, JL; Wang, CY, Development of a Smart Clinical Bluetooth Thermometer Based on an Improved Low-Power Resistive Transducer Circuit, SENSORS, Volume 22 Issue 3 Article Number 874 Published FEB 2022 DOI10.3390/s22030874 eISSN 1424-8220 WOS:000754827300001 https://www.mdpi.com/1424-8220/22/3/874</p>
<p>34. Lucrare care citeaza Guo, JQ; Wan, BX; Zheng, SY ; Song, AH ; Huang, WS , A Teenager Physical Fitness Evaluation Model Based on 1D-CNN with LSTM and Wearable Running PPG Recordings, BIOSENSORS-BASEL, Volume12 Issue4 Article Number 202 Published APR 2022 DOI 10.3390/bios12040202, eISSN 2079-6374, WOS:000785170700001 https://www.mdpi.com/2079-6374/12/4/202</p>
<p>35. Lucrare care citeaza Stergiou, GS; Mukkamala, R; Palatini, P, Cuffless blood pressure measuring devices: review and statement by the European Society of Hypertension Working Group on Blood Pressure Monitoring and Cardiovascular Variability JOURNAL OF HYPERTENSION Volume 40 Issue8 Page1449-1460 Published AUG 2022 DOI10.1097/HJH.0000000000003224 ISSN 0263-6352, WOS:000834638400002 https://journals.lww.com/jhypertension/fulltext/2022/08000/cuffless_blood_pressure_measuring_devices_review.2.aspx</p>
<p>36. Lucrare care citeaza Peng, YL; Peng, JH; Qiu, XT, Diamond-like Carbon Coatings in the Biomedical Field: Properties, Applications and Future Development, COATINGS, Volume 12 Issue 8 Article Number 1088, Published AUG 2022 DOI10.3390/coatings12081088 , eISSN 2079-6412, WOS:000847036500001 https://www.mdpi.com/2079-6412/12/8/1088</p>
<p>37. Lucrare care citeaza Paul, A; Yogeswaran, N and Dahiya, R, Ultra-Flexible Biodegradable Pressure Sensitive Field Effect Transistors for Hands-Free Control of Robot Movements, ADVANCED INTELLIGENT SYSTEMS, Volume4 Issue11 Published NOV 2022 DOI10.1002/aisy.202200183 eISSN 2640-4567, WOS:000861446400001 https://2510b9cv9-y-https-onlinelibrary-wiley-com.z.e-nformation.ro/doi/10.1002/aisy.202200183</p>
<p>38. Lucrare care citeaza Zhu, S; Kim, D, Jeong, C, Recent Development of Mechanical Stimuli Detectable Sensors, Their Future, and Challenges: A Review, SENSORS, Volume 23 Issue 9, Article Number 4300, Published APR 26 2023, eISSN 1424-8220, WOS:000987832900001 DOI10.3390/s23094300 https://www.mdpi.com/1424-8220/23/9/4300</p>

39. Lucrare care citeaza

Saxena, A; Kumar, M; (...); Singh, K, An efficient microfluidic pressure sensing structure optimization using microcantilever integration, *Physica Scripta*, Volume98Issue5
 Article Number 055006 Published MAY 1 2023 ISSN 0031-8949
 DOI10.1088/1402-4896/acc7d8
 WOS:000966532400001
<https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000966532400001>

Lucrare citata

Maniadi, A., Vamvakaki, M., Suchea, M., Tudose, I., Popescu, M., Romanitan, C., Pachiu, C., Ionescu, O., Viskadourakis, Z., Kenanakis, G., Emmanouel, K., „Effect of graphene nanoplatelets on the structure, the morphology and the dielectric behavior of low density polyethylene nanocomposites” MATERIALS, ISSN 1996-1944 Volume: 13 Issue: 21, Article Number: 4776 DOI: 10.3390/ma13214776 Published: NOV 2020 PubMed ID: 33114722/ eISSN: 1996-1944
<https://www.mdpi.com/1996-1944/13/21/4776>
 Accession Number: WOS:000589393500001

40. Lucrare care citeaza

Han, X., Chen, T., Zhao, Y., Gao, J., Sang, C.; Xiong, H., Chen, Z., Relationship between the Microstructure and Performance of Graphene/Polyethylene Composites Investigated by Positron Annihilation Lifetime Spectroscopy *NANOMATERIALS*, Volume11, Issue11, Article Number2990, PublishedNOV 2021, Indexed2021-12-15, DOI10.3390/nano11112990, WOS:000727224000001
<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000727224000001>

41. Lucrare care citeaza

Zafeiropoulou, K., Kostagiannakopoulou, C., Geitona, A., Tsilimigkra, X., Sotiriadis, G., Kostopoulos, V., „On the Multi-Functional Behavior of Graphene-Based Nano-Reinforced Polymers”, *MATERIALS*, Volume14, Issue19, Article Number5828, PublishedOCT 2021, Indexed2021-10-27
 DOI10.3390/ma14195828, WOS:000708260900001
<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000708260900001>

42. Lucrare care citeaza

Mansour, D., Abdel-Gawad, N., El Dein, A., Ahmed, H., Darwish, M., Lehtonen, M., „Recent Advances in Polymer Nanocomposites Based on Polyethylene and Polyvinylchloride for Power Cables”, *MATERIALS*, Volume14, Issue1, Article Number66, PublishedJAN 2021 Indexed2021-01-26
 DOI10.3390/ma14010066, WOS:000606241300001
<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000606241300001>

43. Lucrare care citeaza

Pinelli, F; Nespoli, T; Rossi, F, *Graphene nanoplatelets can improve the performances of graphene oxide - polyaniline composite gas sensing aerogels* CARBON TRENDS, Volume5 Article Number 100123, Published OCT 2021
 DOI10.1016/j.cartre.2021.100123 ISSN 2667-0569, WOS:001022751700045
<https://2510a9ff2-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S2667056921001000?via%3Dihub>

44. Lucrare care citeaza:

Kim, MH; Noh, HJ; (...); Jeon, IY, *Neohexene graphitic nanoplatelets for reinforced low-density polyethylene*, *Journal of Polymer Research*, Volume29 Issue4, Article Number 129, Published APR 2022
 DOI10.1007/s10965-022-02980-0 ISSN 1022-9760, WOS:000768821800006
<https://2510g9ff2-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s10965-022-02980-0>

45. Lucrare care citeaza:

Meskinis, S; Gudaitis, R; (...); Lazauskas, A, *Structural and Chemical Peculiarities of Nitrogen-Doped Graphene Grown Using Direct Microwave Plasma-Enhanced Chemical Vapor Deposition*, *COATINGS*, Volume12 Issue5, Article Number 572, Published MAY 2022
 DOI10.3390/coatings12050572 eISSN 2079-6412, WOS:000801694400001
<https://www.mdpi.com/2079-6412/12/5/572>

<p>46. Lucrare are citeaza: Makwana, M; Patel, AM; (...); Dixit, S, <i>Effect of Mass on the Dynamic Characteristics of Single- and Double-Layered Graphene-Based Nano Resonators</i>, MATERIALS, Volume15 Issue16, Article Number, 5551, Published, AUG 2022 DOI10.3390/ma15165551 eISSN 1996-1944, WOS:000845485700001 https://www.mdpi.com/1996-1944/15/16/5551</p>
<p>47. Lucrare care citeaza: Mehmood, K; Rehman, AU; Amin, N; Morley, NA; Arshad, MI <i>Graphene nanoplatelets/Ni-Co-Nd spinel ferrite composites with improving dielectric properties</i> Journal of Alloys and Compounds, Volume 930 Article Number 167335 Published January 2023 DOI10.1016/j.jallcom.2022.167335 ISSN 0925-8388, WOS:000875505500003 https://2510a9ff2-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S0925838822037264?via%3Dihub</p>
<p>Lucrare citata <u>Petronela, P., Mihaela, H., Niculae, O., Anton, A., Ionescu, O., „New electrospun ZnO:MoO3 nanostructures: Preparation, characterization and photocatalytic performance” July 2020, Nanomaterials ISSN 2079-4991 10(8).</u> DOI: 10.3390/nano10081476, PubMed ID: 32731528/ eISSN: 2079-4991 https://www.mdpi.com/2079-4991/10/8/1476 Accession Number: WOS:000564769900001</p>
<p>48. Lucrare care citeaza Song, T., Qi, Y., Jia, A., Ta, N., Lu, J., Wu, P.; Li, X.,,., <i>Continuous hydrogenation of CO2-derived ethylene carbonate to methanol and ethylene glycol at Cu-MoOx interface with a low H-2/ester ratio”, JOURNAL OF CATALYSIS, Volume399, Page98-110, OI10.1016/j.jcat.2021.05.004</i> Published JUL 2021, Indexed 2021-06-20, WOS:000659913700010 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000659913700010</p>
<p>49. Lucrare care citeaza: Shaheen, I., Ahmad, K., Jaffri, S., Ali, D.,,., <i>Biomimetic [MoO3@ZnO] semiconducting nanocomposites: Chemo-proportional fabrication, characterization and energy storage potential exploration”, Renewable Energy, Volume167, Page568-579, Published APR 2021, Indexed 2021-02-09</i> DOI10.1016/j.renene.2020.11.115, WOS:000608440300013 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000608440300013</p>
<p>50. Lucrare care citeaza: Chen, XJ; Li, WM; (...); Lu, XF, <i>Electronic modulation of iridium-molybdenum oxides with a low crystallinity for high-efficiency acidic oxygen evolution reaction</i>, Chemical Engineering Journal, Volume 440, Article Number 135851 Published JUL 15 2022 DOI10.1016/j.cej.2022.135851 ISSN 1385-8947 WOS:000795080400002 https://2510a9fij-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/abs/pii/S138589472201350X?via%3Dihub</p>
<p>51. Lucrare care citeaza Hu, J; Li, YY; (...); Liu, JL; <i>MoO3 Nanobelt-Modified HMCM-49 Zeolite with Enhanced Dispersion of Mo Species and Catalytic Performance for Methane Dehydro-Aromatization</i>, Molecules, Volume27 Issue14 Article Number 4404 Published JUL 2022 DOI10.3390/molecules27144404 eISSN 1420-3049 WOS:000832155300001 https://www.mdpi.com/1420-3049/27/14/4404</p>
<p>52. Lucrare care citeaza Ganesh, V; Hussien, MSA; (...); Abdel-wahab, MS, <i>Impact of Mo-Doping on the Structural, Optical, and Electrocatalytic Degradation of ZnO Nanoparticles: Novel Approach</i>, CRYSTALS, Volume12 Issue9 Article Number 1239 Published SEP 2022 DOI10.3390/cryst12091239 eISSN 2073-4352 WOS:000858120600001</p>

<p>https://www.mdpi.com/2073-4352/12/9/1239</p>
<p>53. Lucrare care citeaza: Ikram, M; Shahid, H; (...); Ali, S, Nb/Starch-Doped ZnO Nanostructures for Polluted Water Treatment and Antimicrobial Applications: Molecular Docking Analysis, ACS OMEGA, Volume7 Issue43 Page39347-39361, Published NOV 1 2022 DOI10.1021/acsomega.2c05569 ISSN 2470-1343 WOS:000879245500001 https://2510z9fiw-y-https-pubs-acrs-org.z.e-nformation.ro/doi/10.1021/acsomega.2c05569</p>
<p>54. Lucrare care citeaza: Ibrahim, Y; Abdullah, AH; (...); Muhamad, EN, Synthesis, physicochemical characterization of ZnO and alpha-MoO3/ZnO heterostructures and their photocatalytic activity for the methylene blue (MB) dye degradation, Optical Materials, Volume136, Article Number 113371 Published FEB 2023 DOI10.1016/j.optmat.2022.113371 ISSN 0925-3467, WOS:000913603500001 https://2510a9fij-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/abs/pii/S0925346722014100?via%3Dihub</p>
<p>55. Lucrare care citeaza; Swetha, S; Abdel-Maksoud, MA; (...); Khan, SS, Triple-mechanism driven Fe-doped n-n hetero-architecture of Pr6O11-MoO3 decorated g-C3N4 for doxycycline degradation and bacterial photoinactivation, Chemical Engineering Journal, Volume 461 DOI10.1016/j.cej.2023.141806 ISSN 1385-8947, WOS:000965640900001 https://2510a9fij-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/abs/pii/S1385894723005375?via%3Dihub</p>
<p>56. Lucrare care citeaza: Kumari, SS; Nirmala, W; (...); Yahia, IS Tuning the physical properties of Sb-doped ZnO nanopowders toward elevated photosensing and photocatalytic activity, Journal of the Korean Ceramic Society, Volume60 Issue4 Page 719-731 Published JUL 2023 DOI10.1007/s43207-023-00298-1 ISSN 1229-7801, WOS:000970708000002 https://2510g9fjs-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s43207-023-00298-1</p>
<p>Lucrare citata <u>Simionescu, O., Pachiou, C., Ionescu, O., Dumbravescu, N., Buiu, O., Popa, R., Avram, A., Dinescu, G., „Nanocrystalline graphite thin layers for low-strain, high-sensitivity piezoresistive sensing” Reviews On Advanced Materials Science, Volume: 59 Issue: 1 Pages: 306-313, DOI: 10.1515/rams-2020-0031, Published: JAN 2020</u> https://www.degruyter.com/document/doi/10.1515/rams-2020-0031/html</p>
<p>57. Lucrare care citeaza: Filoni, C., Shirzadi, B., Menegazzo, M., Martinelli, E., Di Natale, C., Li Bassi, A., Magagnin, L., Duo, L., Bussetti, G., „Compared EC-AFM Analysis of Laser-Induced Graphene and Graphite Electrodes in Sulfuric Acid Electrolyte”, Molecules, Volume26, Issue23, Article Number7333, DOI10.3390/molecules26237333, Published DEC 2021, Indexed 2022-01-03, WOS:000734537800001 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000734537800001</p>
<p>58. Lucrare care citeaza: Gao, X., Zhang, K., Wang, M., Zan, T., Luo, J., „Thermally stimulated artificial muscles: Bio-inspired approach to reduce thermal deformation of ball screws based on inner-embedded CFRP”, Reviews On Advanced Materials Science, Volume60, Issue1, Page541-552, DOI10.1515/rams-2021-0047, Published JUL 27 2021 Indexed 2021-08-15 WOS:000683039800002 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000683039800002</p>
<p>59. Lucrare care citeaza: Serbanescu, M., Placinta, V., Nastase, F., Pristavu, G., Buiu, O., Brezeanu, G., Serban, B., „A Standalone System for Resistive Smart Sensors Based on a Wheatstone Quarter-Bridge”, Romanian Journal Of Information Science And Technology, Volume24, Issue2, Page222-232, Special IssueSI, Published 2021, Indexed 2021-07-09 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000668010700007</p>
<p>60. Lucrare care citeaza: Wang, X., Dong, X., Xiao, J., Zhang, Y., Xu, J., Liu, S., Gao, L., „Quantum effects of gas flow in nanochannels”, Nanotechnology Reviews, Volume10, Issue1, Page254-263, DOI10.1515/ntrev-2021-0022, Published JAN 2021,</p>

<p>Indexed2021-06-01 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000648918700001</p>
<p>61. Lucrare care citeaza: Tang, X., Cheng, D., Ran, J., Li, D., He, C., Bi, S., Cai, G., Wang, X., „<i>Recent advances on the fabrication methods of nanocomposite yarn-based strain sensor</i>”<i>Nanotechnology Reviews</i>, Volume10, Issue1, Page221-236, DOI10.1515/ntrev-2021-0021, PublishedJAN 2021, Indexed2021-05-27 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000648916800001</p>
<p>62. Lucrare care citeaza: Imoisili, P., Jen, T., Safaei, B.,„<i>Microwave-assisted sol-gel synthesis of TiO₂-mixed metal oxide nanocatalyst for degradation of organic pollutant</i>”,<i>Nanotechnology Reviews</i>,Volume10, Issue1, Page126-136, DOI10.1515/ntrev-2021-0016, PublishedJAN 2021, Indexed2021-05-01, WOS:000640439000001, https://2510qan6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000640439000001</p>
<p>63. Lucrare care citeaza Xiang, D; Chen, XY; (...); Wang, JJ, Flexible strain sensors with high sensitivity and large working range prepared from biaxially stretched carbon nanotubes/polyolefin elastomer nanocomposites, <i>Journal of Applied Polymer Science</i>, Volume140, Issue4 Published JAN 20 2023 DOI10.1002/app.53371 https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000882894500001 WOS:000882894500001</p>
<p>64. Lucrare care citeaza Gartner, M; Anastasescu, M; (...); Buiu, O, Evolution of Nanocrystalline Graphite's Physical Properties during Film Formation, <i>Coatings</i>, Volume12 Issue9 Article Number 1274 Published SEP 2022 DOI10.3390/coatings12091274 https://www.mdpi.com/2079-6412/12/9/1274 WOS:000859423700001</p>
<p>Lucrare citată: <u>Cobianu, C., Dumbravescu, N., Serban, B.,Romanitan, C.,Buiu, O.,Comanescu, F., Danila, M.,; Marinescu, R., Avramescu, V., Ionescu, O., „Sonochemically synthesized ZnO-Graphene nanohybrids and its characterization”<i>Reviews On Advanced Materials Science</i>,Volume: 59 Issue: 1 Pages: 176-187, DOI: 10.1515/rams-2020-0013 Published: JAN 2020</u> https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000543743300001</p>
<p>65. Lucrare care citeaza: Carofiglio, M., Barui, S., Cauda, V., et al. „<i>Doped Zinc Oxide Nanoparticles: Synthesis, Characterization and Potential Use in Nanomedicine</i>”<i>applied Sciences-Basel</i> Volume: 10 Issue: 15 Article Number: 5194 Published: AUG 2020 DOI10.3390/app10155194, WOS:000559189900001 https://2510qan6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000559189900001</p>
<p>66. Lucrare care citeaza: Dutta, T; Noushin, T; (...); Mishra, SK, Road Map of Semiconductor Metal-Oxide-Based Sensors: A Review; <i>SENSORS</i>, Volume23 Issue15 Article Number 6849 Published AUG 2023; DOI10.3390/s23156849 eISSN 1424-8220 WOS:001046446400001 https://www.mdpi.com/1424-8220/23/15/6849</p>
<p>67. Lucrare care citeaza: Otadi, M; Panahi Shayegh, Z and Monajjemi, M, Synthesis and Characterization of Mn doped ZnO Nanoparticles and Degradation of Pyridine in a Batch Reactor Using: Taguchi Experimental Designing & Molecular Mechanic Simulation, <i>BIOINTERFACE RESEARCH in APPLIED CHEMISTRY</i>,</p>

<p>Volume11 Issue5 Page12471-12482 Published OCT 15 2021 DOI10.33263/BRIAC115.1247112482 ISSN 2069-5837 WOS:000619566700002 https://biointerfaceresearch.com/wp-content/uploads/2021/01/20695837115.1247112482.pdf</p>
<p>68. Lucrare care citeaza: Low, DYS; Mahendra, CK; (...); Tang, SY, Ultrasound-enhanced biosynthesis of uniform ZnO nanorice using Swietenia macrophylla seed extract and its in vitro anticancer activity; Nanotechnology Reviews, Volume10 Issue1 Page572-585 Published JAN 2021 DOI10.1515/ntrev-2021-0044 ISSN 2191-9089 WOS:000684194000002 https://2510t9hy5-y-https-www-degruyter-com.z.e-nformation.ro/document/doi/10.1515/ntrev-2021-0044/html</p>
<p>69. Lucrare care citeaza: Zeng, QF and Ning, ZK, High-temperature tribological properties of diamond-like carbon films: A review; Reviews on Advanced Material Science; Volume60 Issue1 Page276-292 Published JAN 2021 ISSN 1606-5131 DOI10.1515/rams-2021-0028, WOS:000658422700001 https://2510t9hy5-y-https-www-degruyter-com.z.e-nformation.ro/document/doi/10.1515/rams-2021-0028/html</p>
<p>70. Lucrare care citeaza Cobianu, C; Serban, BC; (...); Cobianu, C, Organic-Inorganic Ternary Nanohybrids of Single-Walled Carbon Nanohorns for Room Temperature Chemiresistive Ethanol Detection; Nanomaterials, Volume10 Issue12 Article Number 2552 Published DEC 2020 DOI10.3390/nano10122552, eISSN 2079-4991 WOS:000602421800001 https://www.mdpi.com/2079-4991/10/12/2552</p>
<p>Lucrare citata Ionescu, O., Dumitru, V., Pricop, E., Besleaga, C., "UAV identification system based on memristor physical unclonable functions"12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Year 2020, Conference Paper, Publisher IEEE. https://ieeexplore.ieee.org/document/9223154 WOS:000627393500034</p>
<p>71. Lucrare care citeaza: Michailidis, ET and Vouyioukas, D; A Review on Software-Based and Hardware-Based Authentication Mechanisms for the Internet of Drones, DRONES, Volume6 Issue2 Article Number 41Published FEB 2022 DOI10.3390/drones6020041 eISSN 2504-446X WOS:000764199400001 https://www.mdpi.com/2504-446X/6/2/41</p>
<p>72. Lucrare care citeaza: Alladi, T; Venkatesh, V; (...); Chaturvedi, N, Drone-MAP: A Novel Authentication Scheme for Drone-Assisted 5G Networks; IEEE CONFERENCE ON COMPUTER COMMUNICATIONS WORKSHOPS (IEEE INFOCOM WKSHPs 2021), Book Series IEEE Conference on Computer Communications Workshops Published 2021 WOS:000844130800148 DOI10.1109/INFOCOMWKSHPs51825.2021.9484594 ISSN 2159-4228 https://2510qan6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000844130800148</p>
<p>Lucrare citata: Dumitru, V., Besleaga, C., Ionescu, O., „Analog IGZO memristor with extended capabilities” June 2020, IEEE Journal of the Electron Devices Society PP(99); Volume: 8 Pages: 695-700, Published: 2020 DOI: 10.1109/JEDS.2020.3006000, WOS:000550636000003 https://ieeexplore.ieee.org/document/9129774</p>

<p>73. Lucrare care citeaza: Pereira, ME; Deuermeier, J; (...); Kiazadeh, A, Flexible Active Crossbar Arrays Using Amorphous Oxide Semiconductor Technology toward Artificial Neural Networks Hardware, Advanced Electronic Materials, Volume8 Issue11, Article Number 2200642, Published NOV 2022 DOI10.1002/aelm.202200642 ISSN 2199-160X, WOS:000850308600001 https://2510b9hw3-y-https-onlinelibrary-wiley-com.z.e-nformation.ro/doi/10.1002/aelm.202200642</p>
<p>74. Lucrare care citeaza: Pereira, ME; Deuermeier, J; (...); Kiazadeh, A, Tailoring the synaptic properties of a-IGZO memristors for artificial deep neural networks, APL MATERIALS, Volume10Issue1 Article Number 011113 Published JAN 1 2022 DOI10.1063/5.0073056 ISSN 2166-532X, WOS:000751276800003 https://2510qan6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000751276800003</p>
<p>Lucrare citată: <u>Pascariu, P., Vernardou, D., Suche, M., Airinei, A., Ursu, L., Bucur, S., Tudose, I., Ionescu, O., Koudoumas, E., Tuning electrical properties of polythiophene/nickel nanocomposites via fabrication”, Materials & Design, ISSN 0264-1275 Volume: 182, Article Number: UNSP 108027, DOI: 10.1016/j.matdes.2019.108027, Published: NOV 15 2019</u> https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000488458700016</p>
<p>75. Lucrare care citeaza: Inamuddin, A., Khalid A.,, Application of Electrically Conducting Nanocomposite Material PolythiopheneNiO/Frt/GOx as Anode for Enzymatic Biofuel Cells”, Materials Volume: 13 Issue: 8 Article Number: 1823 Published: APR 2020 eISSN 1996-1944 WOS:000531829000027 https://2510qan6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000531829000027</p>
<p>76. Lucrare care citeaza: GunaVathana, SD; Wilson, J; (...); Peter, AC, CuO nanoflakes anchored polythiophene nanocomposite: Voltammetric detection of L-Tryptophan, INORGANIC CHEMISTRY COMMUNICATIONS, Volume124, Article Number 108398 Published FEB 2021 DOI10.1016/j.inoche.2020.108398 ISSN 1387-7003 WOS:000614738100011 https://2510a9i19-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/abs/pii/S1387700320309886?via%3Dihub</p>
<p>77. Lucrare care citeaza Choudhary, RB and Kumar, S; Optimum chemical states and localized electronic states of SnO2 integrated PTh-SnO2 nanocomposites as excelling emissive layer (EML); OPTICAL MATERIALS; Volume131 Article Number 112736 Published SEP 2022 DOI10.1016/j.optmat.2022.112736 ISSN 0925-3467 WOS:000831083600005 https://2510a9i19-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/abs/pii/S0925346722007704?via%3Dihub</p>
<p>78. Lucrare care citeaza: Krishnapandi, A; Selvi, SV; (...); Sambasivam, S; Flexible and water-soluble polythiophene carboxylate for selective appraisal of acebutolol in aqueous samples; Reactive & FUNCTIONAL POLYMERS; Volume185, Article Number 105538 Published APR 2023 DOI10.1016/j.reactfunctpolym.2023.105538 ISSN 1381-5148 WOS:000946127100001 https://2510a9i19-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/abs/pii/S138151482300041X?via%3Dihub</p>

<p>79. Lucrare care citeaza <i>Adedoja, OS; Sadiku, ER and Hamam, Y; Prospects of Hybrid Conjugated Polymers Loaded Graphene in Electrochemical Energy Storage Applications; Journal of Inorganic and Organometallic Polymers and Materials; MAY 2023 Indexed</i> 2023-05-24 DOI10.1007/s10904-023-02664-2 ISSN 1574-1443, WOS:000980406400003 https://2510g9i1x-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s10904-023-02664-2</p>
<p>80. Lucrare care citeaza: <i>Carbajal-Franco, G; Marquez-Quintana, M; (...); Miralrio, A; Study of the Electronic Interaction between NiO and Short Polythiophene Chains towards Solar Photon Harvesting; International Jpurnal of Molecular Science; Article Number</i> 9109 Published MAY 23 2023, Volume24 Issue11 DOI10.3390/ijms24119109 e ISSN 1422-0067, WOS:001006075200001 https://www.mdpi.com/1422-0067/24/11/9109</p>
<p>81. Lucrare care citeaza <i>Meenatchi, GK and Velraj, G NanoCeO(2)/conducting polymer based composite electrodes for high performance supercapacitor; International Journal of Material Reseach; Volume114 Issue 6 Page 496-504 Published JUN 27 2023</i> DOI10.1515/ijmr-2022-0153 ISSN 1862-5282 WOS:000993534400001 https://2510t9i2k-y-https-www-degruyter-com.z.e-nformation.ro/document/doi/10.1515/ijmr-2022-0153/html https://2510qan6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000993534400001</p>
<p>82. Lucrare care citeaza: <i>Meenatchi, GK and Velraj, G; Synthesis and characterisation of nickel oxide-carboxylated multiwalled carbon nanotube polymer nanocomposites; Journal of Material Science- Materials in Electronics; Volume34 Issue23 Article Number</i> 1686 Published AUG 2023 DOI10.1007/s10854-023-11001-9 ISSN 0957-4522 WOS:001050385700001 https://2510g9i1x-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s10854-023-11001-9</p>
<p>83. Lucrare care citeaza Jaji, ND; Othman, MBH; (...); Omar, MF, Polyimide-nickel nanocomposites fabrication, properties, and applications: A review, Review on advanced material science, Volume62Issue1 Article Number 20230113 Published SEP 28 2023 DOI10.1515/rams-2023-0113 https://2510tbyo2-y-https-www-degruyter-com.z.e-nformation.ro/document/doi/10.1515/rams-2023-0113/html WOS:001074811000001</p>
<p>Lucrare citata <u>Paun, C., Tomescu, R., Cristea, D., Ionescu, O., Parvulescu, C., „Design, fabrication and caracterization of a micro-heater for metasurface-based gas sensors”, International Semiconductor Conference (CAS), 2020 Pagini 31-34</u> DOI: 10.1109/CAS50358.2020.9267975 WOS:000637264600007 https://ieeexplore.ieee.org/abstract/document/9267975</p>
<p>84. Lucrare care citeaza: Kociubinski, A; Zarzeczny, D; (...); Bieniek, T, Analysis of Heat Flow for In Vitro Culture Monitored by Impedance Measurement, ENERGIES, Volume15, Issue21, Article Number 8231, Published NOV 2022 DOI10.3390/en15218231 eISSN 1996-1073 WOS:000886122900001 https://www.mdpi.com/1996-1073/15/21/823</p>
<p>85. Lucrare care citeaza: Li, DZ; Ruan, YT; (...); Lin, Q, Design and Thermal Analysis of Flexible Microheaters, Micromachines, Volume13 Issue7 Article Number 1037 Published JUL 2022 DOI10.3390/mi13071037 eISSN 2072-666X, WOS:000833133000001 https://www.mdpi.com/2072-666X/13/7/1037</p>

86. Lucrare care citeaza:

Tovar, S; Hernandez, CA and Osma, JF, Design, Simulation, and Fabrication of a Copper-Chrome-Based Glass Heater Integrated into a PMMA Microfluidic System; *Micromachines*, Volume12 Issue9 Article Number 1067 Published SEP 2021

DOI10.3390/mi12091067, eISSN 2072-666X ,WOS:000701186200001

<https://www.mdpi.com/2072-666X/12/9/1067>

Lucrare citată:

Cobianu, C., Nastase, F., Dumbravescu N., Buiu, O., Serban, B., Danila, M., Gavrilă, R., Ionescu, O., Romanitan, C., „*Effect of Silicon Surface Cleaning on Electrical Properties of As-Deposited Atomically Layer-Deposited (ALD) HfO₂ Films Obtained From Tetrakis(dimethylamino)Hafnium (TDMAH) and Water*”, *Romanian Journal Of Information Science And Technology*, Volume: 22 Issue: 1 Pages: 41-56.Published: 2019 ISSN 1453-8245 WOS:000469865900004

<https://apps- webofknowledge-com.am.e->

[nformation.ro/full_record.do?product=WOS&search_mode=SourceByDais&qid=1&SID=D4p95UrMQ7hDzkZHkTk&page=1&doc=1](https://apps- webofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=SourceByDais&qid=1&SID=D4p95UrMQ7hDzkZHkTk&page=1&doc=1)

87. Lucrare care citeaza:

Huai, X., Girardi, L., Lu, R., et al. „*The mechanism of concentric HfO₂/Co₃O₄/TiO₂ nanotubes investigated by intensity modulated photocurrent spectroscopy (IMPS) and electrochemical impedance spectroscopy (EIS) for photoelectrochemical activity*”

NANO Energy, Volume: 65 Article Number: UNSP 104020 Published: NOV 2019

DOI10.1016/j.nanoen.2019.104020, ISSN 2211-2855,

WOS:000496445600079

<https://apps- webofknowledge-com.am.e->

[nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=CitingArticles&IsProductCode=Yes&Init=Yes&viewType=summary&action=search&UT=WOS%3A000469865900004](https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=CitingArticles&IsProductCode=Yes&Init=Yes&viewType=summary&action=search&UT=WOS%3A000469865900004)

88. Lucrare care citeaza:

Ravariu, C; Mihaiescu, E; (...); Srinivasulu, A *Electrical characterization of a pseudo-mos transistor with organic thin film produced by nanotechnologies; Romanian Journal of Information Science and Technology; Volume24 Issue1 Page28-36, Published*

2021 Indexed 2021-04-25 ISSN 1453-8245, WOS:000636230100002

<https://2510q9i0y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000636230100002>

Lucrare citată:

Paun, C; Obreja, C; Comanescu, F; Tucureanu, V; Tutunaru, O; Romanitan, C; Ionescu, O.,Epoxy nanocomposites based on MWCNT, 2019 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS 2019), 42ND EDITION Edited by:Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D, Book Series: International Semiconductor Conference, Pages: 237-240, Published: 2019

<https://apps- webofknowledge-com.am.e->

[nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300050](https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300050)

89. Lucrare care citeaza:

Mucha, M., Krzyzak, A., Kosicka, E., et al.,*Effect of MWCNTs on Wear Behavior of Epoxy Resin for Aircraft Applications*”*Materials*, Volume: 13 Issue: 12 Article Number: 2696 Published: JUN 2020

DOI10.3390/ma13122696, eISSN 1996-1944, WOS:000550257300001

<https://apps- webofknowledge-com.am.e->

[nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=CitingArticles&IsProductCode=Yes&Init=Yes&viewType=summary&action=search&UT=WOS%3A000514295300050](https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=CitingArticles&IsProductCode=Yes&Init=Yes&viewType=summary&action=search&UT=WOS%3A000514295300050)

<p>Lucrare citata: Paun, C; Tomescu, R; Parvulescu, C; Ionescu, O; Gavrilă, DE; Cristea, D <i>Microheater optimized for the integration with metasurface-based IR sources for gas sensing application, Romanian Journal Of Information Science And Technology, Volume24, Issue2, Page201-212, Special IssueSI, Published2021, Indexed2021-07-09record/</i> https://www.romjist.ro/full-texts/paper688.pdf WOS:000668010700005</p>
<p>90. Lucrarea care citeaza: Mihai, L; Mihalcea, R; (...); Cristea, D. <i>Selective Mid-IR Metamaterial-Based Gas Sensor System: Proof of Concept and Performances Tests</i>, Nanomaterials, Volume12 Issue6 Article Number 1009 Published MAR 2022 DOI10.3390/nano12061009 eISSN 2079-4991 WOS:000774426700001 https://www.mdpi.com/2079-4991/12/6/1009</p>
<p>Lucrare citată: Serban, B., Buiu, O., Brezeanu M., Ionescu, O., Cobianu, C., „<i>Short communication Nanostructured semiconducting metal oxides for ethanol gas sensing. A possible HSAB interpretation</i>” Romanian Journal Of Information Science And Technology, Volume: 21 Issue: 1 Pages: 93-96, Published: 2018 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=D4p95UrMQ7hDzkZHKtk&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00043387680007</p>
<p>91. Lucrarea care citeaza: Serban, B., Buiu, O., Cobianu, C., et al „<i>Nanostructured Semiconducting Metal Oxides for Ammonia Sensors. A Novel HSAB Sensing Paradigm</i>” ACTA Chimica Slovenica Volume: 65 Issue: 4 Pages: 1014-1021 Published: 2018 DOI10.17344/acsi.2018.4564, ISSN 1318-0207 WOS:000453240200027 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=CitingArticles&IsProductCode=Yes&Init=Yes&viewType=summary&action=search&UT=WOS%3A000433876800007</p>
<p>Lucrare citată: Oproiu, A., Lascar, I., Moldovan, C., Dontu, O., Pantazica, M., Mihaila, C., Florea, C., Dobrescu, L., Sebe, I., Scarlet, R., Dobrescu, D., Neagu, T., Ionescu, O., Stoica, I., Edu, A., „<i>Peripheral Nerve WIFI Interfaces and Electrodes for Mechatronic Prosthetic Hand</i>” Romanian Journal Of Information Science And Technology, Volume: 21 Issue: 2 Pages: 129-138, Published: 2018 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=D4p95UrMQ7hDzkZHKtk&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000455899600003</p>
<p>92. Lucrarea care citeaza: Carbutaru, V., Ciotei, A., Zaharia, M., „<i>Managing radial nerve injuries associated with humeral fracture</i>”, Romanian Journal Of Military Medicine , Volume: 123 , Issue: 1 Pages: 32-36 Published: FEB 2020 ISSN 1222-5126, WOS:000510836100004 https://www.revistadechimie.ro/pdf/62%20CARBUNARU%20V%201%2020.pdf</p>
<p>93. Lucrarea care citeaza: Popescu, S., „<i>Researches on the Simulation with Inventory Program and Implementation of an Ankle Prosthesis in the Aluminium Alloy EN AW 6082 and Anodizing Process for the Prosthesis Components</i>” Revista De Chimie, Volume: 70 , Issue: 7 , Pages: 2627-2631 Published: JUL 2019 ISSN 0034-7752 WOS:000485843500066 https://revistadechimie.ro/Articles.asp?ID=7393</p>
<p>94. Lucrarea care citeaza: Popescu, S., „<i>Analysis of Stress and Prediction of the Defects of an Ankle Prosthesis Using the Autodesk Inventor Software</i>”, Revista De Chimie , Volume: 70, Issue: 6 , Pages: 1942-1946 , Published: JUN 2019 ISSN 0034-7752, WOS:000475860100011 https://revistadechimie.ro/pdf/11%20POPESCU%20ST%206%202019.pdf</p>

<p>95. Lucrarea care citeaza: Moldovan, C., Barbilian, A., Stergios, G., et al., <i>Design and fabrication of tubes-guided structure with electrical stimulation module for neural regeneration and in-vivo testing</i> Romanian Journal Of Information Science And Technology ,Volume: 22, Issue: 2 Pages: 135-142, Published: 2019 ISSN 1453-8245, WOS:000472166600004 https://www.romjist.ro/full-texts/paper624.pdf</p>
<p>96. Lucrarea care citeaza: Dinache, G., Drignei, Marinel., Ganatsios, Stergios., et al., <i>Theoretical Aspects, Modern Treatment Options and Practical Case Presentations in Hip and Knee Tumoral and Revision Bone Defect Reconstruction Surgery</i>”, Revista De Chimie Volume: 69 Issue: 12 Pages: 3664-3668 Published: DEC 2018 ISSN 0034-7752, WOS:000458533800071 https://bch.ro/pdfRC/71%20DINACHE%2012%2018.pdf</p>
<p>97. Lucrarea care citeaza: Calin, C., Drignei, M., Ganatsios, S., et al., „<i>The Role of Osteosynthesys Materials in the Etiopathology of Bone Malignant Tumors and Reconstruction Possibilities Case Report</i>”Revista De Chimie,Volume: 69, Issue: 12 , Pages: 3669-3674, Published: DEC 2018 ISSN 0034-7752, WOS:000458533800072 https://bch.ro/pdfRC/72%20CEZAR%20IONUT%2012%2018.pdf</p>
<p>98. Lucrarea care citeaza: Barbiliani, R., Cauni, V., Mihai, B.,et al., <i>The Role of Tranexamic Acid in Controlling Bloodloss During PCNL for staghorn Calculi</i>”,Revista De Chimie ,Volume: 69 , Issue: 12 Pages: 3745-3748 , Published: DEC 2018 ISSN 0034-7752, WOS:000458533800089 https://bch.ro/pdfRC/89%20BARBILIAN%2012%2018.pdf</p>
<p>99. Lucrarea care citeaza: Paraschiv, R., Dinache, G., Drignei, M., et al., „<i>Lateral Extraarticular Tenodesis in Combined ACL and ALL Reconstruction Case presentation</i>”, Revista De Chimie,Volume: 69 , Issue: 12 , Pages: 3749-3752 , Published: DEC 2018 ISSN 0034-7752, WOS:000458533800090 https://bch.ro/pdfRC/90%20PARASCHIV%20R%2012%2018.pdf</p>
<p>Lucrare citată: <u>Pascariu, P., Tudose, I., Pachi, C., Danila, M., Ionescu, O., Popescu, M., Koudoumas, E., Suche, M., „Graphene and TiO₂ - PVDF nanocomposites for potential applications in triboelectronics”, Edited by: Brezeanu, G., Ciurea, M., Cristea, D., Dinescu, M., Dobrescu, D., Dragoman, M., Muller, A., Muller, R., Neculoiu, D., CAS 2018 PROCEEDINGS: 2018 International Semiconductor Conference, Pages: 237-240 Published: 2018</u> https://apps-websiteofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.websiteofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514386700047</p>
<p>100. Lucrarea care citeaza: <u>Veved, A., Ejuh, G., Djongyang, N., „Study of the optoelectronic and piezoelectric properties of ZrO₂ doped PVDF from quantum chemistry calculations” Chinese Journal Of Physics, Volume: 63 , Pages: 213-219 , Published: FEB 2020</u> DOI10.1016/j.cjph.2019.10.022, ISSN 0577-9073 WOS:000508893300022 https://apps-websiteofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=593393556&SID=C2e2h2LN7IbGEAKkOWZ&searchmode=CitingArticles&parentProduct=WOS&parentQid=137&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage</p>

101. Lucrarea care citeaza:

Homocianu, M., Pascariu, P.,, *Electrospun Polymer-Inorganic Nanostructured Materials and Their Applications* "Polymer Reviews Volume: 60 Issue: 3 Pages: 493-541 Published: JUL 2 2020
DOI10.1080/15583724.2019.1676776, ISSN 1558-3724 WOS:000494150400001
<https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=593393556&SID=C2e2h2LN7IbGEAKkOWZ&searchmode=CitingArticles&parentProduct=WOS&parentQid=137&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage>

102. Lucrarea care citeaza:

Veved, A., Ejuh, G., Djongyang, N.,, *Effect of HfO₂ on the dielectric, optoelectronic and energy harvesting properties of PVDF*", OPTICAL AND QUANTUM ELECTRONICS Volume: 51 Issue: 10 Article Number: 330
Published: OCT 2019
DOI10.1007/s11082-019-2042-2, ISSN 0306-8919 WOS:000490535700003
<https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=593393556&SID=C2e2h2LN7IbGEAKkOWZ&searchmode=CitingArticles&parentProduct=WOS&parentQid=137&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage>

103. Lucraare care citeaza:

Pascariu, P; Cojocar, C; (...); Airinei, A; Novel electrospun membranes based on PVDF fibers embedding lanthanide doped ZnO for adsorption and photocatalytic degradation of dye organic pollutants; Materials Research Bulletin; Volume141 Article Number 111376 Published SEP 2021
DOI10.1016/j.materresbull.2021.111376 ISSN 0025-5408 WOS:000659898500027
<https://2510a9i19-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/abs/pii/S0025540821001732?via%3Dihub>

104. Lucrare care citeaza

Veved, A; Ejuh, GW and Djongyang, N; Review of emerging materials for PVDF-based energy harvesting; ENERGY REPORTS; Volume8 Page12853-12870 Published NOV 2022
DOI10.1016/j.egy.2022.09.076 ISSN 2352-4847, WOS:000877517000006
<https://2510a9i19-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S2352484722018017?via%3Dihub>

105. Lucrare care citeaza

Wannarumon, P; Limsuwan, P; (...); Somdock, N, Triboelectric Nanogenerator Prepared from Poly(vinylidene Fluoride-Hexafluoropropylene) Polymer Composite, Integrated Ferroelectrics Volume239 Issue1 Page78-93
Published NOV 22 2023
DOI10.1080/10584587.2023.2234612
<https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001094012500009>
WOS:001094012500009

106. Lucrare care citeaza:

Zhang, WR; Wu, GH; (...); Lei, ZY; The Preparation, Structural Design, and Application of Electroactive Poly(vinylidene fluoride)-Based Materials for Wearable Sensors and Human Energy Harvesters; Polymers; Volume15 Issue13 Article Number 2766 Published JUL 2023
DOI10.3390/polym15132766 eISSN 2073-4360, WOS:001028660100001
<https://www.mdpi.com/2073-4360/15/13/2766>

107. Lucrare care citeaza

Veved, A; Ejuh, GW and Djongyang, N , Evaluation of the output voltage and amperage of a piezoelectric microgenerator based on HfO₂ and ZrO₂-doped PVDF Journal of Material Science- Materials in Electronics Volume34 Issue15 Article Number 1210
Published MAY 2023 ISSN 0957-4522
<https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000994317900009>
DOI10.1007/s10854-023-10648-8
WOS:000994317900009

Lucrare citată:

Dumitru, V., Costea, S., Brezeanu, M., Stan, G., Besleaga, C., Galca, A., Ionescu, G., Ionescu, O., „InN Based Water Condensation Sensors on Glass and Flexible Plastic Substrates „SENSORS, Volume: 13 Issue: 12 Pages: 16940-16949 DOI: 10.3390/s131216940, Published: DEC 2013
https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000330220600059

108.Lucrarea care citeaza:

Shin, J; Noh, S; (...); Kim, JS; Structural and Optical Properties of InN Nanowires Formed on Si(111); Applied Science and Convergence Technology; Volume31 Issue6 Page141-144 Published NOV 2022 DOI10.5757/ASCT.2022.31.6.141 ISSN 2288-6559
<http://www.e-asct.org/journal/view.html?doi=10.5757/ASCT.2022.31.6.141>

109.Lucrarea care citeaza:

Zhang, Q; Wang, Y; (...); Fu, YO; Piezoelectric Smart Patch Operated with Machine-Learning Algorithms for Effective Detection and Elimination of Condensation; ACS Sensors; Volume6 Issue8 Page3072-3081 Published AUG 27 2021 DOI10.1021/acssensors.1c01187 ISSN 2379-3694 WOS:000894939400005
<https://2510z9i49-y-https-pubs-acis-org.z.e-nformation.ro/doi/10.1021/acssensors.1c01187>

110.Lucrarea care citeaza

Besleaga, C., Galca, A., Miclea, C., et al „Physical properties of AlxIn1-xN thin film alloys sputtered at low temperature”, Journal Of Applied Physics, Volume: 116 , Issue: 15 , Article Number: 153509, Published: OCT 21 2014 DOI10.1063/1.4898565ISSN 0021-8979, WOS:000344345400018
<https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=462868047&SID=C2e2h2LN7IbGEAKkOWZ&searchmode=CitingArticles&parentProduct=WOS&parentQid=146&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage>

Lucrare citată:

Ionescu, O., Ionescu, G., Minescu, M., Nae, I., „Research On Life Prolongation For Temperature Sensors Placed In Highly Erosive Environment”, Journal Of The Balkan Tribological Association, Volume: 19 Issue: 2 Pages: 214-220 Published: 2013,
https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000321796300005

111.Lucrarea care citeaza

Panaitescu, C., Petrescu, M., „Research About the Corosive Effects of FeCl3 in the Aeration Wastewater Basin”, Conference: 9th International Conference on Tribology (Balkantrib) Location: TURKEY Date: SEP 13-15, 2017 9TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (BALKANTRIB'17) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 295 Article Number: UNSP 012039 Published: 2018 DOI10.1088/1757-899X/295/1/012039, ISSN 1757-8981 WOS:000448617300039
<https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=455298281&SID=C2e2h2LN7IbGEAKkOWZ&searchmode=CitingArticles&parentProduct=WOS&parentQid=155&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage>

112.Lucrarea care citeaza

Ripeanu, R., Minescu, M., Nita, C., „A Wear Behaviour Of Antifriction Coatings Applied At Parallel Gate Valves, Journal Of The Balkan” Tribological Association Volume: 22 Issue: 1 Pages: 240-249 Published: 2016 ISSN 1310-4772 WOS:000374619000023,
<https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=455298281&SID=C2e2h2LN7IbGEAKkOWZ&searchmode=CitingArticles&parentProduct=WOS&parentQid=155&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage>

113. Lucrare care citeaza

Dudu, C; Drumeanu, AC; (...); Dinita, A, Some considerations regarding the influence of working conditions on the corrosion wear of the injection water treatment plant equipment
INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19) Volume724
Book Series IOP Conference Series-Materials Science and Engineering
DOI10.1088/1757-899X/724/1/012033
WOS:000619349400033
<https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000619349400033>

114. Lucrare care citeaza

Hagianu, A; Nae, I; (...); Ripeanu, RG Research on mechanical and geometrical characteristics of materials used for flexible tubing production,
INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19)
Volume724 Book Series
IOP Conference Series-Materials Science and Engineering
DOI10.1088/1757-899X/724/1/012004
WOS:000619349400004
<https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000619349400004>

Lucrare citata

Ionescu, O., Ionescu, G., Minescu, M., Nae, I., „Studies On Wear Protection Of Humidity Sensor In A Sand Drying Plant, Journal Of The Balkan Tribological Association” Volume: 18 Issue: 1 Pages: 51-57, Published: 2012,
WOS:000302843400006
STUDIES ON WEAR PROTECTION OF HUMIDITY SENSOR IN A SAND DRYING PLANT-Web of Science Core Collection (e-nformation.ro)

115. Lucrare care citeaza

Misirli, C., Sahin, M., Yildirim, B., „Properties Analysis Of The Spray Nozzles In Drying Plant” Journal Of The Balkan Tribological Association , Volume: 21 , Issue: 3 , Pages: 469-484 , Published: 2015
ISSN 1310-4772
WOS:000363091500001
https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=431166003&SID=C2e2h2LN7IbGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=186&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage

Lucrare citată:

Ionescu, G., Ionescu, O., Popovici, S., Costea, S., Dumitru, V., Brezeanu, M., Stan, G., Pasuk, I., „Wireless ALN sensor for condition based monitoring of industrial equipment”, International Semiconductor Conference (CAS), VOLS 1-2, Book Group Author(s):IEEE, Book Series: International Semiconductor Conference, Pages: 55-58, Published: 2013,
https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000330180800011

116. Lucrare care citeaza:

Besleaga, C., Dumitru, V., Trinca, L., et al., „Mechanical, Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure”, Nanomaterials, Volume: 7 , Issue: 11 , Article Number: 394, Published: NOV 2017
DOI10.3390/nano7110394, ISSN 2079-4991 WOS:000416783800049
https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=463930059&SID=C2e2h2LN7IbGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=164&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage

117. Lucrare care citeaza:

Ionescu, G., Nae, I., Ripeanu, R., et al., „Studies on Tribological Behavior of Aluminum Nitride-Coated Steel” Conference: 13th International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016 13TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'16) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 174 Article Number: UNSP 012052 Published: 2017

<p>DOI10.1088/1757-899X/174/1/012052 ISSN1757-8981 WOS:000399753500052 https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=463930059&SID=C2e2h2LN7IbGEAKkOWZ&searchmode=CitingArticles&parentProduct=WOS&parentQid=164&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage</p>
<p>118. Lucrare care Citeaza Hagianu, A; Nae, I; (...); Ripeanu, RG , Research on mechanical and geometrical characteristics of materials used for flexible tubing production, INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19) Volume724 Book Series IOP Conference Series-Materials Science and Engineering DOI10.1088/1757-899X/724/1/012004 https://2510wbyuz-y-https-iopscience-iop-org.z.e-nformation.ro/article/10.1088/1757-899X/724/1/012004 WOS:000619349400004</p>
<p>Lucrare citată: Ionescu, O., Pricop, E., „<i>On the design of a system for airport protection against terrorist attacks using</i>” MANPADs, Ieee International Conference On Systems, Man, And Cybernetics (SMC 2013) Book Group Author(s):IEEE Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings, Pages: 4778-4782, DOI: 10.1109/SMC.2013.813.,Published: 2013 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000332201904156</p>
<p>119.Lucrarea care citeaza: Rosca, C., Paraschiv, N.,Frequency sampling algorithm applied in microwave measurementsConference: 21st International Conference on System Theory, Control and Computing (ICSTCC) Location: Sinaia, ROMANIA Date: OCT 19-21, 2017 21ST INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) Book Series: International Conference on System Theory Control and Computing Pages: 328-333 Published: 2017 ISSN 2372-1618 WOS:000427419900053 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=CitingArticles&IsProductCode=Yes&Init=Yes&viewType=summary&action=search&UT=WOS%3A000332201904156</p>
<p>Lucrare citată: Ionescu, G.,Ionescu, O., Antonescu, N., Nae, I., „<i>New Image Processing Based Method For Automated Welding Technology</i>”, Journal Of The Balkan Tribological Association,Volume: 16 Issue: 2 Pages: 189-196, Published: 2010 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00028072540003</p>
<p>120. Lucrare care citeaza Ginghina, R., Tiganescu, T., Iorga, G., et al., „<i>Influence Of Controlled Smelting Conditions On The Inclusional State Of Some Maraging Steels</i>”University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science Volume: 82 Issue: 2 Pages: 175-184 Published: 2020 ISSN 1454-2331 WOS:000550842800016 https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=336401428&SID=C2e2h2LN7IbGEAKkOWZ&searchmode=CitingArticles&parentProduct=WOS&parentQid=193&parentDoc=1&excludeEventConfig=ExcludeIfFromFullRecPage</p>
<p>Lucrare citata Marinescu, R., Serban, B., Cobianu, C., Dumbrăvescu, N., Ionescu, O., Buiu, O., Ghiculescu, L., Mechanical Properties Of Carbon-Based Nanocomposites For Sensors Used In Biomedical Applications, U.P.B. Sci. Bull., Series B, Vol. 83, Iss. 1, 2021 ISSN 1454-2331 https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez5ae_106907.pdf WOS:000627764100004</p>

121. Lucrare care citeaza

Serban, BC; Buiu, O; (...); Comanescu, F, Ternary Holey Carbon Nanohorns/TiO₂/PVP Nanohybrids as Sensing Films for Resistive Humidity Sensors, Coatings, Volume11Issue9
 Article Number1065DOI10.3390/coatings11091065
 WOS:000699432300001
<https://www.mdpi.com/2079-6412/11/9/1065>

Lucrare citata

Loreggia, D.; Capobianco, G., Fineschi, S., Massone, G., Thizy, C., Galy, C., Ionescu O., et al 12 Author(s), The Occulter Position Sensor Emitters (OPSE) metrology sub-system for the PROBA-3 mission”, IEEE 5th International Workshop on Metrology for AeroSpace (MetroAeroSpace), 2019.
 WOS:000713898100088
<https://ieeexplore.ieee.org/document/8869628>, <https://www.scopus.com/authid/detail.uri?authorId=35299353200>

122. Lucrare care citeaza

Bernardini, N; Baresi, N; (...); Matthews, SA, Trajectory design of Earth-enabled Sun occultation missions, Acta Astronautica, Volume195 Page251-264 Published JUN 2022
 DOI10.1016/j.actaastro.2022.02.027
 WOS:000780401100007
<https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000780401100007>

Lucrare citata

Ionescu, O., Dumitru, V., Pricop, E., Buiu, O., Cobianu, C., Raneti, M., Pircalabu, S., Marica, C., „On the development of a robust cyber security system for Internet of Things devices”, 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI, Pagini 1-5) JUN 27-29, 2019, ISBN:978-1-7281-1624-2, ISSN: 2378-7147 Accession Number:
 WOS:000569985400049
<https://ieeexplore.ieee.org/abstract/document/9042004>

123. Lucrare care citeaza

VanYe, CM; Li, BE; (...); Lambert, JH, Trust and Security of Embedded Smart Devices in Advanced Logistics Systems, 2021 SYSTEMS AND INFORMATION ENGINEERING DESIGN SYMPOSIUM (IEEE SIEDS 2021), Page204-209
 Published 2021 ISBN 978-1-6654-1250-6
<https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000828133400037>
 WOS:000828133400037

Lucrare citata

Cobianu, C., Dumbravescu, N., Serban, B., Buiu, O., Comanescu, F., Romanitan, C., Danila, M., Avramescu, V., Ionescu, O., „Facile 3D nanostructured ZnO-graphene hybrids for gas sensing applications”, Edited by: Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D Book Series: International Semiconductor Conference, (Cas 2019), 42nd Edition Pages: 27-30, Published: 2019.
 WOS:000514295300004
<https://ieeexplore.ieee.org/abstract/document/8923765>

124. Lucrare care citeaza

Li, ZF; Dong, J; (...); Wang, ZH Sonochemical catalysis as a unique strategy for the fabrication of nano-/micro-structured inorganics, NANOSCALE ADVANCES, Volume3Issue1Page41-72
 DOI10.1039/d0na00753f
<https://pubs.rsc.org/en/content/articlelanding/2021/NA/D0NA00753F>
 WOS:000608482500003

Citări⁷ în cărți, reviste și volume ale unor manifestări științifice indexate BDI

<p>Lucrare citată: Ionescu, O., Ionescu, G., Minescu, M., Nae, I., „<i>Research On Life Prolongation For Temperature Sensors Placed In Highly Erosive Environment</i>”, Journal Of The Balkan Tribological Association, Volume: 19 Issue: 2 Pages: 214-220 Published: 2013, https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000321796300005</p>
<p>1. Lucrare care citează: Pătîrnac, I., Ripeanu, R., and Laudacescu, E., „<i>Abrasive flow modelling through active parts water jet machine using CFD simulation</i>”, Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 724, International Conference on Tribology (ROTRIB'19) 19–21 September 2019, Cluj-Napoca, Romania, Link:https://iopscience.iop.org/article/10.1088/1757-899X/724/1/012001/meta (Indexed in Scopus)</p>
<p>Lucrare citată: Ionescu, G., Ionescu, O., Antonescu, N., Nae, I., „<i>New Image Processing Based Method For Automated Welding Technology</i>”, Journal Of The Balkan Tribological Association, Volume: 16 Issue: 2 Pages: 189-196, Published: 2010 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000280725400003</p>
<p>2. Lucrare care citează: Ajwad, S., Mehmood, A., Ullah, M., Iqbal, J., „<i>Optimal v/s robust control: A study and comparison for articulated manipulator</i>”, Journal of the Balkan Tribological Association Vol. 22, No 3, 2460–2466 (2016), https://www.researchgate.net/publication/309195236 Optimal vs robust control A study and comparison for articulated manipulator (Indexe in SCOPUS) (Indexed in SCOPUS)</p>
<p>3. Lucrare care citează: Ajwad, S., Ullah, M., Baizid, K., Iqbal, J., „<i>A comprehensive state-of-the-art on control of industrial articulated robots</i>”, Journal of the Balkan Tribological Association Vol. 20, No 4, 499–521 (2014), https://www.researchgate.net/publication/279113522 A comprehensive state-of-the-art on control of industrial articulated robots (Indexed in SCOPUS)</p>
<p>Lucrare citată: Nae, I., Ionescu, G., Ionescu, O., „<i>Assembling, Blowout Preventers, Microsoft Project, ProjectImprovements in quality assurance for blowout preventers assembling/disassembling and maintenance operations</i>”, Applied Mechanics and Materials (Volume 555), Pages:811-815 DOI: https://doi.org/10.4028/www.scientific.net/AMM.555.811 https://www.scientific.net/AMM.555.811</p>
<p>4. Lucrare care citează: Shafiee, M., Elusakin, T., Enjema, E., „<i>Subsea blowout preventer (BOP): Design, reliability, testing, deployment, and operation and maintenance challenges</i>”, Journal of Loss Prevention in the Process Industries Volume 66, July 2020, 104170, Link: https://www.sciencedirect.com/science/article/abs/pii/S095042301930542X (SCOPUS indexed)</p>
<p>5. Lucrare care citează: Tang, Y., Liu, Q., Xie, C., Chen, S., „<i>Study on stress distribution of a subsea Ram BOP body based on simulation and experiment</i>”, https://www.sciencedirect.com/science/article/abs/pii/S1350630715000096 (SCOPUS indexed)</p>

Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI

1. Membru al comitetului de organizare al International Workshop on Systems Safety & Security- IWSSS 2020, online event (e-event) due to the COVID-19 pandemic 25-26 iunie 2020, Bucuresti, România, <https://iwsss.org/2020/#committee>
2. Membru al comitetului de organizare si Co-Chair al International Workshop on Systems Safety & Security - IWSSS 2019, 27 - 29 JUNE, 2019 / PITESTI, ROMANIA. <https://iwsss.org/2019/#committee>

Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI

3. Membru al comitetului de organizare al International Workshop on Systems Safety & Security- IWSSS 2022, organised at Petroleum-Gas University of Ploiesti 30.06.2022-06.07.2022 <https://iwsss.org/2022/#committee>
4. Membru al comitetului de organizare al International Workshop on Systems Safety & Security- IWSSS 2023, , organised at Politehnica University of Bucharest Faculty of Electronics, Telecommunications and Information Technology 29.06.2023-30.06.2023 <https://iwsss.org/2023/#committee>

Premii obtinute la manifestari stiintifice

1. Medalia de Aur la Salonul Internațional de Inventică – INVENTICA 2018, Iași pentru brevetul RO 129740B1 - Metodă și sistem de securitate a aeroporturilor civile împotriva atacurilor teroriste cu rachete portabile sol-aer;
2. Diploma de excelență și medalia de aur pentru “Sensor chemorezistiv de umiditate” Cerere Brevet Inventie Nr. A01079, 11-12-2017, OSIM, România, Șerban Bogdan- Cătălin, Buiu Octavian, Cobianu Cornel, **Ionescu Octavian-Narcis**, Varsescu Dragoș, a- XVI-a ediție a Salonului Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, Cluj-Napoca, România, 21-23 martie 2018.
3. Medalie de aur pentru “Sistem automat de monitorizare a portului echipamentului de protecție obligatoriu în zonele cu potențial ridicat de pericol”, OSIM Ionescu Octavian Narcis, Emil Pricop, Cerere Brevet Inventie A/00299/15.04.2014. The 22nd International Exhibition of Inventics “INVENTICA 2018” Iași, România.
4. Medalie de argint / Laureat al Premiului Juriului pentru “ Metodă și sistem de securitate a aeroporturilor civile împotriva atacurilor teroriste cu rachete portabile sol-aer”, OSIM BI nr. 129740, **Ionescu Octavian Narcis**, Emil Pricop, Gabriela Cristina Ionescu, Invent Invest 2018, Chișinău Republica Moldova, Târgul Internațional de Inventii și idei Practice 2018.
5. Diploma de excelență pentru “Cyber security system for internet of things connected devices”, US Provisional Application Serial No. 62/579,230, **Octavian Ionescu**, Octavian Buiu, Bogdan-Cătălin Șerban, Andrei Buiu, Zoran Constantinescu, a- XVI-a ediție a Salonului Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, Cluj-Napoca, România, 21-23 martie 2018.

14 noiembrie 2024

Dr. Ing. Ionescu Octavian

