

## INFORMAȚII PERSONALE

**Maria DINESCU**


**📍** Institutul National de Cercetare si Dezvoltare pentru Fizica Laserilor, Plasmei si a Radiatiilor

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Sexul F | Data nașterii 10/09/1954 | Naționalitatea Română

## FUNCȚIA DIN CADRUL PROIECTULUI

**Participant**

## EXPERIENȚA PROFESIONALĂ

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- |   |   |
|---|---|
| Iunie 1999 - prezent  | <p><b>Cercetător științific gradul 1</b><br/>INFLPR, Măgurele</p> <ul style="list-style-type: none"> <li>▪ Lider de grup de cercetare, Procesare laser si caracterizarea filmelor subțiri (materiale funcționale, polimeri, biomateriale)</li> </ul> <p>Tipul sau sectorul de activitate Institut Național de Cercetare</p> |
| 2006 – prezent  | <p><b>Profesor de Școală Doctorală</b><br/>Universitatea din Craiova, Craiova, România</p> <ul style="list-style-type: none"> <li>▪ Coordonator de teze de doctorat</li> </ul> <p>Tipul sau sectorul de activitate educatie</p>   |
| Mai - Iulie 1999, Aprilie – Iulie 2001, Iunie 2006                            | <p><b>Profesor Invitat</b><br/>Școala de Mine, Institutul Politehnic din Lorena, Nancy, Franța</p> <ul style="list-style-type: none"> <li>▪ Laseri și aplicații, ablație laser reactivă pentru depunerea de filme subțiri cu proprietăți termoelectrice</li> </ul> <p>Tipul sau sectorul de activitate educatie</p>         |
| Ianuarie - Aprilie 1998, Februarie – Mai 1999, Octombrie 2002 – Ianuarie 2003 | <p><b>Profesor invitat</b><br/>Universitatea Johannes Kepler , Institutul de Fizică Aplicată, Linz, Austria</p> <ul style="list-style-type: none"> <li>▪ Filme subțiri prin ablație laser; procesare laser</li> </ul> <p>Tipul sau sectorul de activitate educatie</p>  |
| Septembrie – Decembrie 1999   | <p><b>Cercetător experimentat</b><br/>Universitatea din Orleans, GREMI, Orleans, Franța</p> <ul style="list-style-type: none"> <li>▪ Filme subțiri prin tehnici laser</li> </ul> <p>Business or sector science</p>  |
| Mai 1992 – Mai 1999   | <p><b>Cercetător științific gradul 2</b><br/>IFTAR - INFLPR, Măgurele</p> <ul style="list-style-type: none"> <li>▪ Procesare laser si caracterizarea filmelor subțiri</li> </ul> <p>Tipul sau sectorul de activitate Institut Național de Cercetare</p>   |
| Oct 1978 – Mai 1992   | <p><b>Fizician</b><br/>IFTAR (viitorul INFLPR), Str. Atomistilor nr. 409, Măgurele, România</p> <ul style="list-style-type: none"> <li>▪ Interacția laserului cu materia</li> </ul>   |

Tipul sau sectorul de activitate Institut Național de Cercetare

**EDUCAȚIE ȘI FORMARE**

- Decembrie 2006 **Stagiu**
- ETH Zurich, PSI Villigen, Elveția ( Universitatea ETH este între primele 10 universități din lume)
- Printare laser de materiale organice/biologice
- Mai 2005 **Stagiu**
- Laboratorul de Cercetări Navale, Washington DC, SUA
- Evaporare Laser Pulsată Asistată de Matrice (MAPLE)-Scriere directă a celulelor vii
- 1985-1992 **Doctorat în fizică (Summa cum laudae)**
- Institutul de Fizică Atomică
- Procesare fonică și caracterizarea filmelor subțiri de oxizi funcționali
  - Optica, spectroscopie, Plasma, Laseri.
- Septembrie 1973 – August 1978 **Licențiat în Fizică**, Fizica plasmei: "Tun electronic cu plasmă"  
**Master: Specializarea « Optică, Spectroscopie. Plasmă, Laseri »**
- Universitatea din București, Facultatea de Fizică
- Recomandat pentru activitatea de cercetare științifică

**COMPETENTE PERSONALE**

Limba(i) maternă(e) Română

Alte limbi străine cunoscute	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C2	C2	C2	C2	C2
Scrieți denumirea certificatului. Scrieți nivelul, dacă îl cunoașteți.					
Franceză	C2	C2	C2	C2	C2
Scrieți denumirea certificatului. Scrieți nivelul, dacă îl cunoașteți.					
Italiană	C2	C2	C2	C2	C2
Scrieți denumirea certificatului. Scrieți nivelul, dacă îl cunoașteți.					

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat  
[Cadrul european comun de referință pentru limbi străine](#)

**Competențe de comunicare** ▪ bune competențe de comunicare dobândite prin experiența de : Profesor la școala Doctorala, Profesor invitat/ Cercetator, participarea la nenumărate Conferințe Științifice, etc.

**Competențe organizaționale/manageriale** Din 1998 – **Liderul grupului “Procesare fonică de materiale avansate”** (28 de membri) la INFLPR, Departamentul Laseri

## Competență digitală

## AUTOEVALUARE

Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat

[Competențele digitale - Grilă de auto-evaluare](#)

- Widows, XLS, Origin

## Permis de conducere

B

## Alte competențe

**Co-Editor a șapte cărți:**

1. Applied Surface Science Vol 438, BRAMAT 2017, 10<sup>th</sup> International Conference on Material Science and Engineering, Brasov, (2018)
2. 1.E-MRS 2012 Symposium V, Vol 278, Laser materials processing for micro and nano-applications, Eds. Maria Dinescu, (2013)
3. E-MRS Symposim Proceedings vol 197, "Photon Assisted Synthesis and Processing of Functional Materials", Eds. Maria Dinescu, Hiroshi Fukumura, Henry Helvajian, Eric Millon, Tamas Szorenyi, Elsevier B.V. (2007)
4. PROCEEDING SPIE Vol. 6606, Eds. D.C. Dumitras, Maria Dinescu, V.I Konov, (2007)
5. 4.MRS Symposium Proceedings Vol. 780, Advanced Optical Processing of Materials, Eds. D.B. Chrisey, Maria Dinescu, I.W. Boyd, A.V. Rode, (2003)
6. 5.PROCEEDING SPIE, Vol. 4762, Eds. D.C. Dumitras, Maria Dinescu, V.I Konov, (2002)
7. 6.NATO-ASI, 3-Vol. 76, "Piezoelectric materials: Advances in Science Technology and Applications", Eds. Carmen Galassi, M. Dinescu, K. Uchino, M. Sayer, Kluwer Academic Publisher, (2000)

**Co-Director:**

1. a 5-a ediție a Școlii Internaționale "Interacțiuni laser-suprafață pentru producerea de noi materiale" S. Servolo (Veneția, Italia) Iulie 10-17, 2016
2. a 2-a ediție a Școlii Internaționale "Interacțiuni laser-suprafață pentru producerea de noi materiale" S. Servolo (Veneția, Italia) Iulie 11-18, 2010
3. NATO-ASI "Materiale piezoelectrice: progresele în domeniul științei și tehnologiei aplicațiilor", Predeal, Romania, mai 1999

**Co-Chair la Conferințe Internaționale:**

1. International Conference on Laser Ablation (COLA) 2019, September 2019, Maui, USA
2. International Conference on Applied Surface Science (ICASS 3), June 2019, Pisa, Italy E-MRS Symposium X "Photon-Assisted Synthesis and Processing of Materials in Nano-Microscale", June 2018, Strasbourg,, France
3. E-MRS Symposium V, Stress, structure, and stoichiometry effects on the properties of nanomaterials III , Septembrie 2015 , Varșovia, Polonia.
4. E-MRS Symposium V , Laser materials processing for micro and nano-applications, Mai 2012, Strasbourg, Franța
5. E-MRS Symposium "Photon-Assisted Synthesis and Processing of Materials in Nano-Microscale", Iunie 2006, Nisa, Franța
6. Advanced Laser Technologies (ALT'06), Brașov 2006, România
7. MRS Symposium "Advanced Optical Processing of Materials", Aprilie 2003, San Francisco, SUA
8. Advanced Laser Technologies (ALT'01), Septembrie 2001, Constanța, România,

**Editor Applied Surface Science din 2014 (IF 2019 : 5,155)**
**Coordonare științifică a:**

- 10 teze de doctorat

- 25 de teze de Master
- 40 de lucrări de licență

**Membru în comisii de doctorat la:** ETH Zurich, Universitatea din Lille, Școale de Mine Nancy, Universitatea din Marsilia

**Evaluator de Proiecte:** Comisia Europeană, DOE-SUA, CNRS-Franța, CNR-Italia, Fundația Cehă pentru Știință

## INFORMATII SUPLIMENTARE

<b>Publicații</b>	Rezultatele activității s-au concretizat în peste 300 de lucrări publicate în jurnale cotate ISI . <b>Index Hirsch: 27</b> , conform Web of Science
<b>Prezentări</b>	peste <b>250</b> de lucrări prezentate la conferințe internaționale.
<b>Proiecte</b>	Vezi Anexa 1.
<b>Afilieri</b>	▪ Membru al asociațiilor profesionale: Societatea Europeană de Fizică (EPS), Societatea Internațională pentru Inginerie Optică (SPIE), Societatea Europeană pentru Optică (EOS), Societatea pentru Cercetare a Materialelor (MRS)
<b>Citări</b>	▪ mai mult de <b>2500</b> de citări ( <b>fara autocitari</b> ) conform Web of Science

## ANEXE

- Lista proiectelor naționale și internaționale (Anexa 1);
- publicații (Anexa 2);
- capitole de carte (Anexa 3).

## Anexa 1. Proiecte Internaționale și naționale.

### Proiecte internaționale:

1. H-2020, 862016/2019 "**BioCombs4Nanofibers**", (2019-2022)
2. H 2020-754586/2017 (TRANSAT): „**TRANSversal Actions for Tritium**”, (2017-2022)
3. Romanian-Swiss Research Programme (RSRP); „Materiale perovskitice nanostructurate cu banda interzisă mică pentru aplicații fotovoltaice și generare de hidrogen prin fotocataliză” (2013-2015)
4. Romanian Coordinator of FP 7, FP7-ICT-2009-4-247868, e-LIFT “Scriere cu laser de materiale inorganice/organice pentru fabricarea de dispozitive electronice” proiect (2010-2012)
5. NATO-SfP Project Co-Director 982671 proiect, Polimeri pe bază de matrice senzor piezoelectric pentru detectarea chimică a agenților de război, (2007-2011)
6. Romanian Coordinator of FP 6, NMP3-CT-2006-033297, 3D-DEMO, Depunere de filme subțiri de nanostructuri complexe tridimensionale de oxizi multifuncționali, proiect (2006-2010)
7. Romanian Coordinator of FP 5 IST –2001-33326 “Matrice de senzori piezoelectrice pentru interacțiuni biomoleculare și de monitorizare a gazelor” (PISARRO) proiect (2002-2004)
8. NATO Linkage grant "Crestere de filme subțiri feroelectrice prin fs PLD" (2003-2005)
9. NATO SfP Co-Director of the Project 97-1934, “Tehnologii curate bazate pe laser pentru aplicații în sensoristica”, (1999-2002)

**Proiecte nationale:**

1. PCCA 6 / 2012 "Structuri tridimensionale stimulate electric pentru ingineria tesuturilor" (ELITISS), Responsabil Proiect, 2012-2016
2. PCCA 245/ 2014 "Spectrometru compact de infrarosu(COSPIR)", Responsabil partener INFLPR, 2014-2016
3. PCCA 213/2014, Implanturi ortopedice obtinute din aliaje multifunctionale tip "Gum", Responsabil partener INFLPR, 2014-2016
4. PN 09 39 01 02, "Metode si tehnologii laser de sintetizare si procesare de noi nanomateriale multifunctionale", Responsabil Proiect, 2009-2011
5. PNCDI 2 71-111 "Procesare fotonica de biopolimeri (FOTOPOL)", Responsabil proiect, 2007 – 2010
6. 12-086 "Componente feromagnetice pentru sisteme microelectromecanice (OMICRON)", Responsabil partener INFLPR, 2008 – 2011
7. 70 CP I, "Procesarea laser a materialelor functionale (PROLIFT)", Responsabil partener INFLPR, 2008 – 2011
8. 72-162 "Materiale noi cu banda interzisa variabila pe baza de InN pentru Aplicatii in optoelectronica (MlnNA)", Responsabil partener INFLPR, 2008 – 2011
9. 71-040 "Materiale perovskitice multifunctionale cu aplicatii in domeniul electronicii si optoelectronicii (MATPEROL)", Responsabil partener INFLPR, 2007 – 2010
10. 11-061 "Procesarea laser a filmelor subtiri oxidice nanostructurate pentru electronica transparenta si conventionala (PROLAF)", Responsabil partener INFLPR, 2007 – 2010
11. 72-149 "Materiale pentru heterostructuri complet oxidice cu aplicatii in nano si optoelectronica (HETOX)", Responsabil partener INFLPR, 2007 – 2010
12. 71-103 "Studiul modificarilor induse in zirconia,spinel si SiC prin implantare ionica si tratamente termice utilizand metode IBA si alte tehnici avansate (CERNUCL)", Responsabil partener INFLPR, 2007 – 2010

**Anexa 2. Publicatii (2007-2020) (selected)**

1. Dinca, V; Mocanu, A; Isopencu, G; Busuioc, C; Brajnicov, S; Vlad, A; Icriverzi, M; Roseanu, A; Dinescu, M; Stroescu, M; Stoica-Guzun, A; Sucheana, M; "Biocompatible pure ZnO nanoparticles-3D bacterial cellulose biointerfaces with antibacterial properties"; ARABIAN JOURNAL OF CHEMISTRY 13 (1) 3521-3533 (2020).
2. Filipescu, M; Palla-Papavlu, A; Bercea, A; Rusen, L; Cernaianu, MO; Ion, V; Calugar, A; Nistor, LC; Dinescu, M; "Antireflective coatings with high damage threshold prepared by laser ablation"; APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 125 (12) 815 (2019).
3. Andrei, F; Boerasu, I; Birjega, R; Moldovan, A; Dinescu, M; Ion, V; Mihailescu, C; Scarisoreanu, ND; Leca, V; "The effects of the oxygen content on the photoelectrochemical properties of LaFeO3 perovskite thin films obtained by pulsed laser deposition"; APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 125 (11) 807 (2019).
4. Dumitrescu, LN; Moldovan, A; Bonciu, A; Ion, V; Colceag, D; Dinescu, M; "PROPERTIES OF C-W-MG THIN FILMS DEPOSITED BY SEQUENTIAL PLD IN HYDROGEN AND NITROGEN ATMOSPHERE"; ROMANIAN REPORTS IN PHYSICS 71 (3) 506 (2019).
5. Bultel, A; Morel, V; Favre, A; Godard, G; Benyagoub, A; Monnet, I; Semerok, A; Dinescu, M; Markelj, S; Magaud, P; Grisolia, C; "Towards ps-LIBS tritium measurements in W/Al materials"; FUSION ENGINEERING AND DESIGN 146, 1971-1974 (2019).
6. Constantinescu, C; Matei, A; Tabetah, M; Dinescu, M; Zhigilei, LV; Schou, J; "Compression of dry lysozyme targets: The target preparation pressure as a new parameter in protein thin film production by pulsed laser deposition"; APPLIED SURFACE SCIENCE 481, 120-124 (2019).
7. Ion, V; Scarisoreanu, ND; Bonciu, A; Moldovan, A; Ghenescu, V; Ghenescu, M; Banciu, MG; Andrei, A; Dinescu, M; "Multilayer protective coatings obtained by pulsed laser deposition"; APPLIED SURFACE SCIENCE 479, 1124-1131 (2019).
8. Alin, CD; Grama, F; Papagheorghie, R; Brajnicov, S; Ion, V; Vizireanu, S; Palla-Papavlu, A; Dinescu, M; "Tuning the physicochemical properties of hernia repair meshes by matrix-assisted pulsed laser evaporation"; APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 125 (6) 424 (2019).

9. Andrei, F; Vlad, A; Birjega, R; Tozar, T; Secu, M; Urzica, I; Dinescu, M; Zavoianu, R; "Hybrid layered double hydroxides-curcumin thin films deposited via Matrix Assisted Pulsed Laser Evaporation-MAPLE with photoluminescence properties"; *APPLIED SURFACE SCIENCE* 478, 754-761 (2019).
10. Icriverzi, M; Rusen, L; Brajnicov, S; Bonciu, A; Dinescu, M; Cimpean, A; Evans, RW; Dinca, V; Roseanu, A; "Macrophage in vitro Response on Hybrid Coatings Obtained by Matrix Assisted Pulsed Laser Evaporation"; *COATINGS* 9 (4) 236 (2019).
11. Benetti, M; Cannata, D; Verona, E; Papavlu, AP; Dinca, VC; Lippert, T; Dinescu, M; Di Pietrantonio, F; "Highly selective surface acoustic wave e-nose implemented by laser direct writing"; *SENSORS AND ACTUATORS B-CHEMICAL* 283, 154-162 (2019).
12. Mitu, A; Dumitru, M; Suvaila, R; Oprea, A; Gheorghe, I; Mereuta, P; Brajnicov, S; Burducea, I; Florea, NM; Marginean, N; Glodariu, T; Dinescu, M; Cata-Danil, G; "Refractory osmium targets for accelerator based nuclear activation experiments prepared by Pulsed Laser Deposition technique"; *VACUUM* 161, 162-167 (2019).
13. Dumitru-Grivei, M; Ion, V; Birjega, R; Moldovan, A; Craciun, F; Cernea, M; Galassi, C; Dinescu, M; "Multiferroic (Nd,Fe)-doped PbTiO<sub>3</sub> thin films obtained by pulsed laser deposition"; *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING* 125 (2) 113 (2019).
14. F. Haydous, R. Birjega, V. Ion, T. Lippert, N. Dumitrescu, A. Moldovan, N. D. Scarisoreanu, V.S. Teodorescu, C. Ghica, R. Negrea, M. Dinescu, Rolling dopant and strain in Y-doped BiFeO<sub>3</sub> epitaxial thin films for photoelectrochemical water splitting, *SCIENTIFIC REPORTS* Volume: 8 Article Number: 15826, (2018)
15. V. Ion, F. Craciun, N.D. Scarisoreanu, A. Moldovan, A. Andrei, R. birjega, C. Ghica, F. DiPitearntonio, D. Cannata, M. Benetti, M. Dinescu, Impact of thickness variation on structural, dielectric and piezoelectric properties of (Ba,Ca)(Ti,Zr)O<sub>3</sub> epitaxial thin films, *SCIENTIFIC REPORTS*, DOI:10.1038/s41598-018-20149-y (2018)
16. Paun, IA; Popescu, RC; Mustaciosu, CC; Zamfirescu, M; Calin, BS; Mihailescu, M; Dinescu, M; Popescu, A; Chioibas, D; Soproniy, M; Luculescu, CR; "Laser-direct writing by two-photon polymerization of 3D honeycomb-like structures for bone regeneration"; *BIOFABRICATION* 10 (2) 25009 (2018).
17. N. D. Scarisoreanu, F. Craciun, V. Ion, R. Birjega, A. Bercea, V. Dinca, M. Dinescu, L. E. Sima, M. Icriverzi, A. Roseanu, L. Gruionu, and G. Gruionu, Lead-Free Piezoelectric (Ba,Ca)(Zr,Ti)O<sub>3</sub> Thin Films for Biocompatible and Flexible Devices, *ACS Appl. Mater. Interfaces*, 9 (1), pp 266–278, (2017)
18. Palla-Papavlu, A; Filipescu, M; Schneider, CW; Antohe, S; Ossi, PM; Radnoczi, G; Dinescu, M; Wokaun, A; Lippert, T, "Direct laser deposition of nanostructured tungsten oxide for sensing applications", *JOURNAL OF PHYSICS D-APPLIED PHYSICS*, Volume: 49, Issue: 20, Pages: 5101-5101 (2016)
19. Scarisoreanu, ND; Craciun, F; Birjega, R; Ion, V; Teodorescu, VS; Ghica, C; Negrea, R; Dinescu, M, "Joining Chemical Pressure and Epitaxial Strain to Yield Y-doped BiFeO<sub>3</sub> Thin Films with High Dielectric Response", *SCIENTIFIC REPORTS*, Volume: 6, Pages: 25535-25535 (2016)
20. Mihailescu, M; Paun, IA; Zamfirescu, M; Luculescu, CR; Acasandrei, AM; Dinescu, M, "Laser-assisted fabrication and non-invasive imaging of 3D cell-seeding constructs for bone tissue engineering", *JOURNAL OF MATERIALS SCIENCE*, Volume: 51, Issue: 9, Pages: 4262-4273 (2016)
21. Barca, ES; Filipescu, M; Luculescu, C; Birjega, R; Ion, V; Dumitru, M; Nistor, LC; Stanciu,.; Abrudeanu, M; Munteanu, C; Dinescu, M, "Pyramidal growth of ceria nanostructures by pulsed laser deposition", *Applied Surface Science*, Volume: 363, Pages: 245-251 (2016)
22. Pauna, IA; Acasandrei AM; Luculescu, CR; Mustaciosu, CC; Ion, V; Mihailescu, M; Vasile, E; Dinescu, M; "MAPLE deposition of polypyrrole-based composite layers for bone regeneration" *Applied Surface Science*, (357) Part A, Pages:975–984 (2015)
23. Scarisoreanu, ND; Craciun, F; Moldovan, A; Ion, V; Birjega, R; Ghica, C; Negrea, RF; Dinescu, M; "High Permittivity (1-x)Ba(Zr<sub>0.2</sub>Ti<sub>0.8</sub>)O<sub>3</sub> - x(Ba<sub>0.7</sub>Ca<sub>0.3</sub>)TiO<sub>3</sub> (x=0.45) Epitaxial Thin Films with Nanoscale Phase Fluctuations"; *ACS APPLIED MATERIALS & INTERFACES* (7) , Pages: 23984-23992 (2015)
24. Cristea, D; Crisan, A; Cretu, N; Borges, J; Lopes, C; Cunha, L; Ion, V; Dinescu, M; Barradas, NP; Alves, E; Apreutesei, M; Munteanu, D; "Structure dependent resistivity and dielectric characteristics of tantalum oxynitride thin films produced by magnetron sputtering"; *Applied Surface Science* (354) , Pages: 298-305 Part: B (2015)
25. Dinca, V; Alloncle, P; Delaporte, P; Ion, V; Rusen, L; Filipescu, M; Mustaciosu, C; Luculescu, C; Dinescu, M; "Excimer laser texturing of natural composite polymer surfaces for studying cell-to-substrate specific response"; *Applied Surface Science* (352) , Pages: 82-90 (2015)

26. Vlad, A; Birjega, R; Matei, A; Luculescu, C; Nedelcea, A; Dinescu, M; Zavoianu, R; Pavel, OD; "Detection of copper ions from aqueous solutions using layered double hydroxides thin films deposited by PLD"; *Applied Surface Science* (352) , Pages: 184-188 (2015)
27. Paun, IA; Stokker-Cheregi, F; Luculescu, CR; Acasandrei, AM; Ion, V; Zamfirescu, M; Mustaciosu, CC; Mihailescu, M; Dinescu, M; "Electrically stimulated osteogenesis on Ti-PPy/PLGA constructs prepared by laser-assisted processes"; *MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS* (55) , Pages: 61-69 (2015)
28. Ion, V; Matei, A; Constantinescu, C; Ionita, I; Marinescu, M; Dinescu, M; Emandi, A; "Octahydroacridine thin films grown by matrix-assisted pulsed laser evaporation for non linear optical applications"; *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING* (36) , Pages: 78-83 (2015)
29. Matei, A; Constantinescu, C; Mitu, B; Filipescu, M; Ion, V; Ionita, I; Brajnicov, S; Alloncle, AP; Delaporte, P; Emandi, A; Dinescu, M; "Laser printing of azo-derivative thin films for non-linear optical applications"; *Applied Surface Science* (336), Pages: 200-205 (2015)
30. Teodorescu, VS; Ghica, C; Maraloiu, AV; Vlaicu, M; Kuncser, A; Ciurea, ML; Stavarache, I; Lepadatu, AM; Scarisoreanu, ND; Andrei, A; Ion, V; Dinescu, M; "Nanostructuring of GeTiO amorphous films by pulsed laser irradiation"; *BEILSTEIN JOURNAL OF NANOTECHNOLOGY* (6) , Pages: 893-900 (2015)
31. Constantinescu, C; Rotaru, A; Nedelcea, A; Dinescu, M; "Thermal behavior and matrix-assisted pulsed laser evaporation deposition of functional polymeric materials thin films with potential use in optoelectronics"; *MATERIALS SCIENCE IN SEMICONDUCTORPROCESSING* (30) , Pages: 242-249 (2015)
32. Cicco, N; Morone, A; Verrastro, M; Dinescu, M; Matei, A; Mitu, B; Centonze, D; "Deposition and Characterization of Laccase Thin Films Obtained by Matrix Assisted Pulsed Laser Evaporation"; *SENSORS* (319) , Pages: 47-51 (2015)
33. Paun, IA; Zamfirescu, M; Mihailescu, M; Luculescu, CR; Mustaciosu, CC; Dorobantu, I; Calenic, B; Dinescu, M; "Laser micro-patterning of biodegradable polymer blends for tissue engineering"; *JOURNAL OF MATERIALS SCIENCE* (50) , Pages: 923-936 (2015)
34. Palla-Papavlu, A; Dinescu, M; Wokaun, A; Lippert, T, „Laser-induced forward transfer of single-walled carbon nanotubes”, *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, Volume: 117, Issue: 1, Pages: 371-376 (2014)
35. Scarisoreanu, ND; Craciun, F; Birjega, R; Andrei, A; Ion, V; Negrea, RF; Ghica, C; Dinescu, M; „Strain-induced long range ferroelectric order and linear electro-optic effect in epitaxial relaxor thin films”, *JOURNAL OF APPLIED PHYSICS*, Volume: 116, Issue: 7, Article Number: 074106, (2014)
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