

LISTA DE LUCRĂRI

Prof. univ. dr. ing. **JINGA N. SORIN-ION**

1 Teza de doctorat

T1 Ceramică Optică și Electrooptică cu Procesare Neconvențională - 2005
Universitatea Politehnică din București

2 **Cărți publicate** (Ca, Cb, Cc), îndrumare publicate (I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc. (D1, D2 etc.), după caz, prin care se aduc contribuții la asigurarea și perfecționarea activităților didactice/profesionale.

Ca – Cărți/cursuri (manuale) publicate în edituri recunoscute

Ca1. Sorin Jinga, Stefania Stoleriu, Ella Stefan, *UTILIZAREA CALCULATORULUI PENTRU CERTIFICARE EUROPEANA*, ISBN 973-7838-05-X, Editura Politehnică Press 2005, 199 pagini

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Ca3. Sorin Jinga, RUTE NECONVENTIONALE DE SINTEZA SI PROCESARE PENTRU MICRO SI NANOMATERIALE, Editura Politehnică Press, 2013, ISBN 978- 605-515-462-9, 160 pag.

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Cb - Cărți de specialitate publicate în edituri recunoscute

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a) internaționale recunoscute (cu ISSN sau ISBN) din țară și din străinătate (Vi)

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- Vi2.** S. Jinga, E. Andronescu, C. Jinga, A. Ioachim, M. Toacsan, L. Nedelcu, G. Banciu *Synthesis, characterization and microwave dielectric properties of doped Ba(Zn_{1/3}Ta_{2/3})O₃ ceramics*, Proceedings of the 2nd International congress on ceramics-ICC2, Verona, Italia iunie 2008, ISBN: 978-88-8080-084-2;
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- Vi9.** M. I. Toacsan, A. Ioachim, L. Nedelcu, M.G. Banciu, P. Nita, G. Voicu, **S. Jinga**, E. Andronescu, “*Microwave dielectric properties of ZrO₂ and Al₂O₃-Y₂O₃ doped BZT ceramics*”, Proceeding of 18th International Conference on Electromagnetic Fields and Materials, EMFM 2007, pag. 21-24, 2007.
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b) naționale (Vn), inclusiv cotate ISI sau indexate în baze de date internaționale

- Vn1.** C. Busuioc, **S.I. Jinga**, L. Nedelcu, E. Andronescu; “*Doped Ba(Zn_{1/3}Ta_{2/3})O₃ Dielectric Ceramics for Microwave Applications*”; The 7th International Conference on Advanced Materials” - ROCAM 2012, August 2012, Braşov, Romania;
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- Vn5.** Cristina Busuioc, Ecaterina Andronescu, Daniela Berger, **Sorin-Ion Jinga**; “*Two Approaches to $Ba(Mg_{1/3}Ta_{2/3})O_3$ Compound: Bulk Ceramics and Thin Films*”; 17th Romanian International Conference on Chemistry and Chemical Engineering - RICCCE XVII, September 2011, Sinaia, Romania;
- Vn6.** Cristina Busuioc, Liviu Nedelcu, Mariana-Irina Toacsan, Marian-Gabriel Banciu, Andrei Ioachim, Paul Ganea, Georgeta Stoica, **Sorin Jinga**, Ecaterina Andronescu; “*Microwave Dielectric Properties of $BaX_{1/3}Ta_{2/3}O_3$ Complex Perovskites*”; 12th International Balkan Workshop on Applied Physics - IBWAP 2011, July 2011, Constanța, Romania;
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- Vn16.** H. Alexandru, C. Berbecaru, A. Ioachim, L. Nedelcu, M.I. Toacsan, N. Scarisoreanu, **S. Jinga** “*BZT Thin Films Ceramic for Microwave Applications*”, E-MRS 2009 Spring Meeting Strasbourg, France, June 8- 12, 2009
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- Vn65. S.Jinga, C.Onose** "*Materiale ceramice obtinute prin presare la cald pentru componente optice in IR*", Cercetari in Optoelectronica, Bucuresti, 1994, p.270-278
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a) obținute prin competiție pe bază de contract/grant în țară în calitate de responsabil;

- Pn1.** „Disc optic de 1 PB (Petabyte)”, PETOP Contract 169/2012, Disc Optic de 1 PB contract 169/2012, **Responsabil de proiect din partea UPB;**
- Pn2.** NANOFAB, contract 2012- **Responsabil de proiect din partea UPB**
- Pn3.** (FANLAS) contract 7/2012-PN II, **Responsabil de proiect din partea UPB;**
- Pn4.** “Materiale nanocompozite cu proprietati optice si magnetice imbunatatite obtinute prin depunere laser secventiala”, (NCOMDLAS), PN II 2008 12-088/2008, (2008-2011), **Responsabil de proiect din partea UPB;**
- Pn5.** “Materiale perovskitice functionale cu aplicatii in domeniul electronicii si optoelectronici”, (MATPEROL), PN II 200771- 040 /4/ 2007, (2007-2010), **Responsabil de proiect din partea UPB;**
- Pn6.** “Vitroceramici fluorescente fotosensibile pentru stocarea 3D a informatiei”, (NANOVIFLUOSEN) CEEEX 2006, Contract 276/2006, (2006-2008), **Director de proiect**
- Pn7.** “Fenomene complexe si efecte de dimensiune in straturi subtiri nanostructurate cu proprietati feroelectrice si feroice” (DINAFER) nr. CEEEX 20062-CEX-06-11-44/ 25.07.2006, (2006-2008), **Responsabil de proiect din partea UPB**
- Pn8.** “Materiale multifunctionale pentru aplicatii in domeniul microundelor si undelor milimetrice”-(MATMIUM) CEEEX 2005, Contract 4/2005, (2005-2008), **Responsabil de proiect din partea UPB**
- Pn9.** “Dezvoltarea de metode de recuperare si valorificare a pulberilor nanometrice din emisiile de gaze industriale” (NANOVAL), CEEEX 2005, contract 54/2005, (2005-2008), **Responsabil de proiect din partea UPB**
- Pn10.** “Dezvoltarea abilităților forței de muncă pentru o mai bună adaptare la schimbările structurale din industria materialelor oxidice”, Program PHARE, Coeziune Economică și Socială – Dezvoltarea Resurselor Umane RO-2002/000-586.05.02.02.115, (2005),), **Responsabil de modul proiect din partea UPB**
- Pn11.** “Rețea modernă de calculatoare ca suport pentru sistemul de învățare asistată, dedicat proceselor de chimie industrială”, (INFOSOC) 2002, Nr. 56/02.08.2002, (2002-2004), **Director de proiect**
- Pn12.** “Monocristale de fluorura de litiu de diametre mici destinate obtinerii comutatorilor optici cu centrul de culoare de tipul $LiF:F_2^-$ pentru laseri cu YAG:Nd”, (RELANSIN), (2000-2002) **Director de proiect**
- Pn13.** “Monocristale de fluorură de litiu crescute simultan utilizate pentru obținerea comutatorilor laser de tip $LiF:F_2^-$ ”, Grant MCT-ANSTI nr. 5054 GR/1999, (1999-2001), **Director de proiect**
- Pn14.** Ceramica electrooptica cu procesare neconventionala”, Grant MCT-ANSTI, nr.2059 GR/25.10.1996, (1996-1998), **Director de proiect**

Pi-internationale

- Pi1. Elaborarea si implementarea programelor de masterat in domeniul Micro si Nanomaterialelor – MASTERMAT, proiect POSDRU/86/1.2/S/58146, solicitant UPB, **expert pe termen lung**
- Pi2. „BINE PREGĂTIȚI, BUNI PROFESIONIȘTI” (ID 81495)-POSDRU: **Responsabil activitate cadre didactice**

b) alte lucrări de cercetare-dezvoltare (F1, F2 etc.) în calitate de responsabil

- F1.** “Sintetizarea unor compusi organometalici convenabili pentru obtinerea filmelor electrooptice de PLZT pe substrat ITO prin metode de depunere chimica (sol-gel, MOCVD, CVD etc.)”, CONTRACT 496/2000, Act additional I/2000, PROGRAM ORIZONT 2000, TEMA: B 33,- **Responsabil tema**
- F2.** “Cercetari privind realizarea varistorilor pe baza de oxid de zinc, de inalta performanta” CONTRACT 327, 328 si 1195/1996, act additional 237/1999/III, act additional 206 / I /2000, Program Orizont 2000, TEMA: A.5, 1999- 2000- **Responsabil tema**
- F3.** “Ceramica electrooptica obtinuta din pulberi sintetizate prin coprecipitare si sinterizata prin hot-pressing in atmosfera controlata”, Contract 327, 328 Si 1195/1996, Act Additional 370/1999/IV, Act additional 206/I/2000, PROGRAM ORIZONT, TEMA: A.19, 1999- 2000, **Responsabil tema**
- F4.** “Studiul unor materiale optice obtinute prin tehnica presarii la cald, utilizate in tehnica IR”, CONTRACT 327, 328 si 1195/1996, Act additional 253/1998/I, Act additional 237/1999/I, , PROGRAM ORIZONT 2000, TEMA:A.16, 1997-1999- **Responsabil tema**
- F5.** “Ceramica Electrooptica Cu Procesare Neconventionala”, contr.327/1996, act adit. 237/1999/III, PROGRAM ORIZONT 2000, TEMA A 21, 1996 – 1999- **Responsabil tema**

februarie 2017

Candidat,
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