

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;

T2 Teza de abilitare

Materials with Applications in Medicine, Data Storage, Microwave Communications, Electronics and Optoelectronics- 2017
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 Politehnica Press 2005, 199 pagini

Ca2. Dorel Radu, Adrian Volceanov, **Sorin Jinga**, *PROIECTAREA OPTIMALĂ A MATERIALELOR OXIDICE ASISTATĂ DE CALCULATOR*, Editura PRINTECH, București 2000, I.S.B.N. 973-652-273-5, 143 pagini

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

Ca4. Sorin Jinga, MATERIALE MICRO SI NANOSTRUCTURATE MULTIFUNCTIONALE, Editura Politehnica Press, 2013, ISBN 978- 605-515-461-2, 121 pag.

Cb - Cărți de specialitate publicate în edituri recunoscute

Cb1. Sorin Jinga, Ecaterina Andronescu, CERAMICA OPTICA, ISBN 978-606-515-338-7, Editura Politehnica Press, Bucuresti, 2011, 208 pag.

Cb2. Sorin Jinga, Cornelia Jinga, *MONOCRISTALE DE LiF*, ISBN 973-652-8-4 Editura Printech 2003, ISBN 973-652-696-8, 123 pagini

Cb3. Ecaterina Andronescu, **Sorin Jinga**, Cornelia Jinga, *CERAMICĂ ELECTROOPTICĂ FENOMENE, PROPRIETĂȚI, SISTEME COMPOZIȚIONALE ȘI METODE DE OBTINERE*, ISBN 973-652-670-4 Editura Printech 2002, 271 pagini

Cb4. Dorel Radu, **Sorin Jinga**, Zeno Ghizdavet, *INGINERIA PROCESELOR DIN DOMENIUL MATERIALELOR OXIDICE*, Editura PRINTECH, București 2002, I.S.B.N. 973-652-597-X, 249 pagini

Cb5. D. Paraschivescu, F. Mihăilescu, E. Dima, C. Radulescu, **S. Jinga**, *FABRICAREA STICLEI ÎN ERA MEDIULUI ÎNCONJURĂTOR*, Editura PRINTECH 2002, ISBN 973-652-654-2, 143 pagini

3. ARTICOLE/STUDII PUBLICATE:

Reviste de specialitate de circulație internațională recunoscute, cotate ISI

- Ris1.** **SI Jinga**, AI Zamfirescu, G Voicu, M Enculescu, A Evanghelidis, C Busuioc , PCL-ZnO/TiO2/HAp Electrospun Composite Fibers with Applications in Tissue Engineering, **Polymers**, 11 (11), 1793, 2019;
- Ris2.** G Voicu, D Miu, CD Ghitulica, **SI Jinga**, AI Nicoara, C Busuioc, AM Holban, Co doped ZnO thin films deposited by spin coating as antibacterial coating for metallic implants, **Ceramics International**, 2019;
- Ris3.** **SI Jinga**, M Skokin, BS Vasile, I Constantinou, D Miu, M Bacalum, Development of Vitroceramic Coatings and Analysis of Their Suitability for Biomedical Applications, **Coatings**, 9 (10), 671, 2019;
- Ris4.** C Busuioc, G Voicu, **SI Jinga**, V Mitran, A Cimpean, The Influence of Barium Titanate on the Biological Properties of Collagen-Hydroxiapatite Composite Scaffolds, **Materials Letters**, 253, pp. 317-322, 2019;
- Ris5.** **Sorin-Ion Jinga**, Izabela Constantinou, Vasile-Adrian Surdu, Florin Iordache, Cristina Busuioc, Sol-gel-derived mineral scaffolds within SiO₂-P₂O₅-CaO-MgO-ZnO-CaF₂ system, **Journal of Sol-Gel Science and Technology**, pp 1-11, 2019;
- Ris6.** Raluca Negrea, Cristina Busuioc, Izabela Constantinou, Dana Miu, Cornelia Enache, Florin Iordache, **Sorin-Ion Jinga** Akermanite-based coatings grown by pulsed laserdeposition for metallic implants employed in orthopaedics, **Surface & Coatings Technology**, 357 (2019) 1015-1026;
- Ris7.** Razan Lisnic , Cristina Busuioc Georgeta Voicu , **Sorin-Ion Jinga**, Influence Of Gypsum As Natural Rock Or Industrial Waste On The Properties Of Portland Cement Mortars, **Romanian Journal of Materials**, 2019, 49 (1), 102 -110;
- Ris8.** **R. Lisnic, SI Jinga**, Study on current state and future trends of flue gas desulphurization technologies: a review, **Romanian Journal Of Materials**, 48 (1), 83-90, 2018;
- Ris9.** Busuioc, C, Ghitulica, C.D., Stoica, A., (...), Averous, L., **Jinga, S.I.**, Calcium phosphates grown on bacterial cellulose template 2018, **Ceramics International**, 44(8), pp. 9433-9441
- Ris10.** Cristina Busuioc, Izabela Constantinou, Monica Enculescu, Mihaela Beregoi, **Sorin - Ion Jinga**, Ceramic Thin Films Deposited By Spin Coating As Coatings For Metallic Implants, **Romanian Journal of Materials**, 2018, 48 (4), 401 - 406;
- Ris11.** C Busuioc, **SI Jinga**, Iron nanostructures embedded in alumina multilayered matrix by successive laser deposition, **Applied Surface Science**, 2017, 424, pp. 138-144;
- Ris12.** C Busuioc, G Voicu, ID Zuzu, D Miu, C Sima, F Iordache, **SI Jinga**, Vitroceramic Coatings Deposited by Laser Ablation on Ti-Zr substrates for Implantable Medical Applications with Improved Biocompatibility, **Ceramics International**, 2017, 3(7), pp. 5498-5504;
- Ris13.** C Busuioc, M Stroescu, A Stoica-Guzun, G Voicu, **SI Jinga**, Fabrication of 3D calcium phosphates based scaffolds using bacterial cellulose as template, **Ceramics International** 42 (14), 15449-15458, 2016;
- Ris14.** A Stoica-Guzun, M Stroescu, **SI Jinga**, N Mihalache, A Botez, C Matei, Box-Behnken experimental design for chromium (VI) ions removal by bacterial cellulose-magnetite composites, **International Journal of Biological Macromolecules** 91, 1062-1072, 2016;
- Ris15.** AV Zanfir, G Voicu, C Busuioc, **SI Jinga**, MG Albu, F Iordache, New Coll-HA/BT composite materials for hard tissue engineering, **Materials Science and Engineering: C** 62, 795-805, 2016;
- Ris16.** AV Zanfir, G Voicu, **SI Jinga**, E Vasile, V Ionita, Low-temperature synthesis of BaTiO₃ nanopowders, , **Ceramics International**, 42 (1), 1672-1678, 2016;

- Ris17.** ȘO Dima, T Dobre, A Stoica-Guzun, F Oancea, **SI Jinga**, CA Nicolae Molecularly Imprinted Bio-Membranes Based on Cellulose Nano-Fibers for Drug Release and Selective Separations, **Macromolecular Symposia** 359 (1), 124-128, 2016;
- Ris18.** G Juncu, A Stoica-Guzun, M Stroescu, G Isopencu, **SI Jinga**, Drug release kinetics from carboxymethylcellulose-bacterial cellulose composite films, **International journal of pharmaceuticals**, 510 (2), 485-492, 2016;
- Ris19.** G Voicu, D Miu, I Dogaru, **SI Jinga**, C Busuioc, Vitroceramic interface deposited on titanium substrate by pulsed laser deposition method, **International journal of pharmaceuticals**, 510 (2), 449-456, 2016;
- Ris20.** E Pavel, **SI Jinga**, BS Vasile, A Dinescu, R Trusca, N Tosa, 3D direct laser writing of Petabyte Optical Disk, **Optics & Laser Technology** 71, 45-49, 2015;
- Ris21.** Stroescu, M., Stoica-Guzun, A., Isopencu, G., **Jinga, S.I**, Dobre, T., Vasilescu, M., Chitosan-vanillin composites with antimicrobial properties, **Food Hydrocolloids**, 48, pp. 62-71, 2015;
- Ris22.** Miu, D., **Jinga, S.I.**, Vasile, B.S., Miu, L., Out of plane superferromagnetic behavior of quasi two-dimensional Fe/Al₂O₃ multilayer nanocomposites, **Journal of Applied Physics**, 2015, 117(7), 074303;
- Ris23.** G. Isopencu, M. Stroescu, A. Stoica-Guzun, **S. I. Jinga**, M. Ferdes, "Green Synthesis of Silver-Bacterial Cellulose Composites Using Turmeric Powder Extract", **Applied Mechanics and Materials**, Vol. 760, pp. 311-316;
- Ris24.** Guzun, A.S., Stroescu, M., **Jinga, S.I.**, G. Voicu, Grumezescu, A.M., Holban, A.M. Plackett-Burman experimental design for bacterial cellulose-silica composites synthesis, **Materials Science and Engineering C**, 42, pp. 280-288, 2014;
- Ris25.** Pavaloiu, R.-D., Stoica-Guzun, A., Stroescu, M., **Jinga, S.I.**, Dobre, T. Composite films of poly(vinyl alcohol)-chitosan-bacterial cellulose for drug, controlled release, **International Journal of Biological Macromolecules**, Volume 68, July 2014, ages 117-124;
- Ris26.** Eugen Pavel, **Sorin Jinga**, Bogdan S Vasile, Adrian Dinescu, Virgil Marinescu, Roxana Trusca, Nicoleta Tosa, **Quantum Optical Lithography from 1 nm resolution to pattern transfer on silicon wafer**, **Optics & Laser Technology**, 60(2014)80–84, ISSN: 0030-3992;
- Ris27.** **S.I. Jinga**, G. Voicu, A. Stoica-Guzun, M. Stroescu, A.M. Grumezescu, C. Bleotu, Biocellulose nanowhiskers - cement composites for endodontic use, **Digest Journal of Nanomaterials and Biostructures** Vol. 9, No. 9, January– March 2014;
- Ris28.** **S. Jinga**, The Establishment of Growing Conditions of LiF Single Crystals for YAG:Nd Laser Q-Switch /Stabilirea condițiilor de creștere a monocristalelor de LiF pentru comutatoarele Q ale laserilor YAG:Nd, **Revista Română de Materiale / Romanian Journal of Materials**, 2014, 43 (1);
- Ris29.** Cristina Busuioc, **Sorin Ion Jinga**, Preparation and characterization of Li_xZn₂ xVx-Si_{1-x}O₄ Ceramics, **Ceramics International**, Volume 40, Issue 4, May 2014, Pages 5931-5936;
- Ris30.** **S. I. Jinga**, G. Isopencu, A. Stoica-Guzun, M. Stroescu, M. Ferdes, B. Ohreac, Silver green synthesis on bacterial cellulose membranes using tannic acid, **Digest Journal of Nanomaterials and Biostructures**, Vol. 8, No. 4, October – December 2013, p. 1711 - 1717 ;
- Ris31.** C. Busuioc, **S. I. Jinga**, Characterization of LiZnVO₄ ceramics prepared by two different methods, **Journal of Optoelectronics and Advanced Materials**, Vol. 15, No. 11-12 November - December 2013, p. 1470 – 1474;
- Ris32.** **Sorin Ion Jinga**, Georgeta Voicu, Ionela Vasile, Alina Ioana Bădănoiu, Mase Bioactive de Tip Vitroceram din Sistemul Cao-Sio₂-P₂O₅-CaF₂-Mgo Obținute Prin Metoda Sol-Gel/ Bioactive Glass-Ceramic in the Cao-Sio₂-P₂O₅-CaF₂-MgO System Obtained bBy Sol-Gel Method, **Revista Română de Materiale / Romanian Journal of Materials**, 2013, 43 (4), 396 – 401;
- Ris33.** G. Voicu, **S. I. Jinga**, R. Trușcă, F. Iordache, Synthesis, Characterization and Bio-Evaluation of Bioactive Composites Scaffolds Based on Collagen and Glass Ceramic, **Digest Journal of Nanomaterials and Biostructures** Vol. 9, No. 1, January– March 2014, p. ;
- Ris34.** Stefania Stoleriu, A. Puia, **Sorin Ion Jinga**, Ecaterina Andronescu, Gas Sensors in SnO₂ – ZrO₂ Binary System, **Revista Română de Materiale / Romanian Journal of Materials**, 2013, 43 (4), 445-452;
- Ris35.** Cristina Busuioc, **Sorin Ion Jinga**, Ceramici BaZn_{1/3}Ta_{2/3}O₃ dopate cu Nb⁵⁺, Zr⁴⁺ sau Eu³⁺, BAZN_{1/3}Ta_{2/3}O₃, Ceramics doped with Nb⁵⁺, Zr⁴⁺ or Eu³⁺, **Revista Română de Materiale / Romanian Journal of Materials**, 2013, 43 (4), 438 – 444;
- Ris36.** Dana Miu, Cornelia Sima, **S.I. Jinga**, B.S. Vasile, L. Miu, A Simple Approach for the Magnetic Relaxation in Systems of Weakly-Interacting, Dispersive Nanoparticles in Applied Magnetic Field., **J. Supercond. Nov. Magn.**, 2013, DOI 10.1007/s10948-013-2345-7;
- Ris37.** Anicuta Stoica-Guzun, Marta Stroescu, **Sorin Ion Jinga**, Iuliana Mihaela Jipa, Tanase Dobre, Microwave assisted synthesis of bacterial cellulose-calcium carbonate composites, **Industrial Crops and Products**, 50, (2013), 414– 422;
- Ris38.** E. Pavel, **S. Jinga**, E. Andronescu, B.S. Vasile, G. Kada, A. Sasahara, N. Tosa, A. Matei, M. Dinescu, A. Dinescu, O.R. Vasile, 2 nm Quantum Optical Lithography, **Optics Communications**, 291, (2013), 259–263;
- Ris39.** L. Nedelcu, N.D. Scarisoreanu, C. Dragoi, C. Busuioc, M.G. Banciu, **S.I. Jinga**, M. Dinescu, *Structural and dielectric properties of Ba(X_{1/3}Ta_{2/3})O₃ thin films grown by RF-PLD*, **Applied Surface Science**, Volume 278, 1 August 2013, Pages 158-161;
- Ris40.** Busuioc, C., **Jinga, S.I.**, Andronescu, E., *Barium magnesium tantalate thin films obtained by sol-gel processing*, *Filme subțiri pe bază de tantalat de bariu și magneziu obținute prin procesare sol-gel*, **Revista Romana de Materiale/ Romanian Journal of Materials** 42 (3) , pp. 299-305, 2012;
- Ris41.** **Jinga S.I.**, Stoleriu S., Busuioc C., *Microwave dielectric properties of Ba(Zn_{1/3}Ta_{2/3})O₃ ceramics doped with Nb₂O₅, MnO₂ or V₂O₅*, *Materials Research Bulletin*, 2012;
- Ris42.** C. Busuioc, **S.I. Jinga**, S. Stoleriu, L. Nedelcu, E. Andronescu, *Ba(Zn_{1/3}Ta_{2/3})O₃ perovskite ceramics doped with Nb⁵⁺, Ce⁴⁺ or Yb³⁺*, **Journal Of Optoelectronics And Advanced Materials**, Vol.14 ISS.3-4_2012, p. 238 – 244;
- Ris43.** Marta Stroescu, Anicuta Stoica-Guzun, **Sorin Ion Jinga**, Tanase Dobre, Iuliana Mihaela Jipa and Loredana Mihaela Dobre, *Influence of sodium dodecyl sulfate and cetyl trimethylammonium bromide upon calcium carbonate precipitation on bacterial cellulose*, **Korean Journal of Chemical Engineering**, Online First™, 13 February 2012;
- Ris44.** Csaba Zoltán Kibédi-Szabó, Marta Stroescu, Anicuta Stoica-Guzun, **Sorin Ion Jinga** Szabolcs Szilveszter, Iuliana Jipa, and Tanase Dobre, *Biodegradation Behavior of Composite Films with Poly (Vinyl Alcohol) Matrix*, **Journal of Polymers and the Environment**, 2012, Volume 20, Number 2, Pages 422-430;
- Ris45.** Iuliana Mihaela Jipa, Loredana Dobre, Marta Stroescu, Anicuta Stoica-Guzun, **Sorin Jinga**, Tanase Dobre, *Preparation and characterization of bacterial cellulose-poly(vinyl alcohol) films with antimicrobial properties*, **Materials Letters**, Volume 66, Issue 1, 1 January 2011, Pages 125-127;
- Ris46.** Iuliana Mihaela Jipa, Marta Stroescu, Anicuta Stoica-Guzun, Tanase Dobre, **Sorin Jinga**, Traian Zaharescu, *Effect of gamma irradiation on biopolymer composite films of poly(vinyl alcohol) and bacterial cellulose*, **Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms**, Volume 278, 1 May 2012, Pages 82-87;
- Ris47.** Anicuta Stoica-Guzun, Marta Stroescu, **Sorin Jinga**, Iuliana Jipa, Tanase Dobre, Loredana Dobre, *Ultrasound influence upon calcium carbonate precipitation on bacterial cellulose membranes*, **Ultrasonics Sonochemistry**, Volume 19, Issue 4, July 2012, Pages 909-915;
- Ris48.** Iuliana Mihaela Jipa, Anicuta Stoica, Marta Stroescu, Loredana-Mihaela Dobre Tanase Dobre, **Sorin Jinga** and Tardei C., *Potassium sorbate release from poly(vinyl alcohol)-bacterial cellulose films*, **Chemical Papers**, 2012, Volume 66, Number 2, Pages 138-143;
- Ris49.** E. Pavel, M. Mihailescu, V.B. Nicolae, **S. Jinga**, E. Andronescu, E. Rotiu, L. Ionescu, C. Mazilu, *Holographic testing of fluorescent photosensitive glass-ceramics*, **Optics Communications**, Volume 284, Issue 4, 15 February 2011, Pages 930-933;
- Ris50.** Pavel, E., **Jinga, S.**, Andronescu, E., Vasile, B.S., Rotiu, E., Ionescu, L., Mazilu, C., *5 nm structures produced by direct laser writing*, **Nanotechnology**, 22 (2), 2011, art. no. 025301 ;
- Ris51.** Cristina Jinga, Daniela Berger, Cristian Matei, **Sorin Jinga**, Ecaterina Andronescu, *Characterization of BaMg_{1/3}(Ta_{1-x}Nb_x)_{2/3}O₃ ceramics obtained by a modified Pechini method*, **Journal of Alloys and Compounds**, Volume 497, Issues 1–2, 14 May 2010, Pages 239-243;
- Ris52.** Jinga, C., Andronescu, E., Berger, D., Matei, C., **Jinga, S.**, *Characterization of BaMg_{1/3}(Ta_{1-x}V_x)_{2/3}O₃ (x = 0.1, 0.2) ceramics prepared by modified Pechini method* **UPB Scientific Bulletin, Series B: Chemistry and Materials Science**, 72 (4), 2010, pp. 3-10;

- Ris53.** Dobre, L.-M., Stoica, A., Stroescu, M., **Jinga, S.**, Jipa, I., Dobre T., *Characterization of composite materials based on biocellulose membranes impregnated with silver particles as antimicrobial agent*, **UPB Scientific Bulletin, Series B: Chemistry and Materials Science** 72 (4), 2010, pp. 55-64;
- Ris54.** Jinga, C., Andronescu, E., **Jinga, S.**, Ioachim, A., Nedelcu, L., Toacsan, M.I., *Synthesis and characterization of doped Ba(Mg_{1/3}Ta_{2/3})O₃ ceramics*, **Journal of Optoelectronics and Advanced Materials** 12 (2), 2010, pp. 282-287 ;
- Ris55.** C. Onose, **S. Jinga**, C. S. Onose, H. Niciu, *The study of influence of structural inhomogenities upon optical parameters of zinc sulphide optical ceramic*, **Journal of Optoelectronics and Advanced Materials**, Vol.11 ISS.12- 2009, p 2044 – 2048;
- Ris56.** **S. Jinga**, E. Andronescu, C. Jinga, L. Ionescu, C. Mazilu, E. Pavel, S. Hodorogea, *“Fluorosilicate Glass-Ceramics with Rare Earths for 3D Optical Data Storage Media/Vitrocaramica fluorosilicatica cu paminturi rare pentru memorii optice 3D”*, **Revista Romana de Materiale/Romanian Journal of Materials**, 39 (1) 2009, p. 25-30 , ISSN-1583-3186, www.isiknowledge.com ;
- Ris57.** H. V. Alexandru, A. Ioachim, M.I. Toacsan, L. Nedelcu, M. G. Banciu, C. Berbecaru, S. Antohe, G. Voicu, **S. Jinga**, E. Andronescu, *“Ba(Zn_{1/3}Ta_{2/3})O₃ ceramics for microwave and millimeter wave applications”*, *Interdisciplinary Transport Phenomena: Fluid, Thermal, Biological, Materials, and Space Sciences*, **Annals of the New York Academy of Sciences**, Vol. 1161, apr. 2009, p. 549-553, ISBN 978-1-57331-712-2;
- Ris58.** E. Andronescu, **S. Jinga**, E. Rotiu, L. Ionescu, C. Mazilu, E. Pavel D. Patroi, M. Davidescu, V. Vulpe, *Fluorescent photosensitive glass-ceramics – a novel media for optical data storage*, **Journal Of Optoelectronics And Advanced Materials** Vol. 10, No. 2, February 2008, p. 294 – 297;
- Ris59.** Ioachim, L. Nedelcu, E. Andronescu, **S. Jinga**, M. I. Toacsan, M. G. Banciu, A. Lörinczi, M. Popescu, *The effects of thermal treatments on microwave dielectric properties of Ba(Zn_{1/3}Ta_{2/3})O₃ ceramics*, **Journal Of Optoelectronics And Advanced Materials** Vol. 10, No. 1, January 2008, p. 209 – 212;
- Ris60.** C. Onose, C. S. Onose, **S. Jinga**, M.Elisa, H. Niciu, C. Grigorescu, I. C. Vasiliu, *The synthesis of luminescent nanoparticles from aqueous solutions*, **Journal of Optoelectronics and Advanced Materials (JOAM)**, Vol.9 ISS.5 – 2007, p. 1534-1539;
- Ris61.** A. Ioachim, M. I. Toacsan, L. Nedelcu, M. G. Banciu, C. A Duțu, E. Andronescu, **S. Jinga**, P. Nita, H. V. Alexandru, *Dielectric properties of BZT ceramics for microwave applications*, **Journal of Optoelectronics and Advanced Materials (JOAM)**, Vol.9 ISS.6 - 2007, p. 1833-1838;
- Ris62.** A. Ioachim, M. I. Toacsan, L. Nedelcu, M. G. Banciu, C. A. Duțu, E. Andronescu, **S. Jinga**, *Thermal Treatments Effects on Microwave Dielectric Properties of Ba(Zn_{1/3}Ta_{2/3})O₃ Ceramics* **Romanian Journal of Information Science and Technology (ROMJIST)** Vol. 10. No.3, 2007, pp. 261–268 Editura Academiei Române;
- Ris63.** A. Ioachim, M.I. Toacsan, M.G. Banciu, L. Nedelcu, C.A. Dutu, E. Andronescu, **S. Jinga**, *Annealing Effects on Properties of Ba(Zn_{1/3}Ta_{2/3})O₃ Dielectric Materials* , **IEEE Proceedings**, International Semiconductor Conference, CAS, p. 253-256, vol.2, 2006, ISBN: 1-4244-0109-7, www.isiknowledge.com, www.ieeexplore.ieee.org, www.scopus.com
- Ris64.** E. Andronescu, **S. Jinga**, C. Onose - *“Zinc oxide semiconductor ceramic with non-linear electric properties obtained by co-precipitation method”*, **IEEE Proceedings**, International Semiconductor Conference, CAS 2001, vol.1, pag.13-14, ISBN 0-7803-6666-2, www.isiknowledge.com , www.ieeexplore.ieee.org , www.scopus.com;
- Ris65.** Onose. C, **Jinga. S**, Onose. C, *Phosphors with sulphide matrix. Synthesis parameters influence on optical properties*, SIOEL '99: Sixth Symposium On Optoelectronics **SPIE Proceedings** Volume: 4068, Pages: 72-77, 2000, ISSN 0277-786X, ISBN 0-8194-3705-0, www.isiknowledge.com , www.spie.org , www.scopus.com;
- Ris66.** **S.Jinga**, C.Onose– *“Transparent ferroelectric ceramic from chemical synthesised powders”*, **“SPIE - The International Society for Optical Engineering - Proceedings**, volume 4068, 2000, p.78-83, ISSN 0277-786X, ISBN 0-8194-3705-0, www.isiknowledge.com , www.spie.org , www.scopus.com;
- Ris67.** C.Onose, **S.Jinga** - *“Ceramic materials obtained by hot-pressing method for optical windows”*- **SPIE -The International Society for Optical Engineering** -Proceedings, vol.2461, 1995, p.623-625, ISBN 0-8194-1813-7, www.isiknowledge.com , www.spie.org , www.scopus.com.
- b) în alte reviste de specialitate de circulație internațională (Rio);**
- Rio1.** Stoica-Guzun, A., Stroescu, M., Jipa, I., Dobre L., **Jinga S.**, Zaharescu T, *The effect of UV-irradiation on poly(vinyl alcohol) composites with bacterial cellulose*, **Macromolecular Symposia**, Volume 315, Issue 1, May 2012, Pages 198-204;
- Rio2.** Jinga, C., Andronescu, E., Berger, D., Matei, C., **Jinga, S.**, *Characterization of BaMg_{1/3}(Ta_{1-x}V_x)_{1/2}O₃ (x = 0.1, 0.2) ceramics prepared by modified Pechini method* **UPB Scientific Bulletin, Series B: Chemistry and Materials Science**, 72 (4), 2010, pp. 3-10
- Rio3.** Dobre, L.-M., Stoica, A., Stroescu, M., **Jinga, S.**, Jipa, I., Dobre T., *Characterization of composite materials based on biocellulose membranes impregnated with silver particles as antimicrobial agent*, **UPB Scientific Bulletin, Series B: Chemistry and Materials Science** 72 (4), 2010, pp. 55-64
- Rio4.** E. Andronescu, **S. Jinga**, C. Onose - *“Zinc oxide semiconductor ceramic with non-linear electric properties obtained by co-precipitation method”*, **IEEE Proceedings**, International Semiconductor Conference, CAS 2001, vol.1, pag.13-14, ISBN 0-7803-6666-2,;
- Rio5.** Onose. C, **Jinga. S**, Onose. C, *Phosphors with sulphide matrix. Synthesis parameters influence on optical properties*, SIOEL '99: Sixth Symposium On Optoelectronics **SPIE Proceedings** Volume: 4068, Pages: 72-77, 2000, ISSN 0277-786X, ISBN 0-8194-3705-0,;
- Rio6.** **S.Jinga**, C.Onose– *“Transparent ferroelectric ceramic from chemical synthesised powders”*, **“SPIE - The International Society for Optical Engineering - Proceedings**, volume 4068, 2000, p.78-83, ISSN 0277-786X, ISBN 0-8194-3705-0,;
- Rio7.** C.Onose, **S.Jinga** - *“Ceramic materials obtained by hot-pressing method for optical windows”*- **SPIE -The International Society for Optical Engineering** -Proceedings, vol.2461, 1995, p.623-625, ISBN 0-8194-1813-7,.
- c) în reviste din țară recunoscute C.N.C.S.I.S. (Rns- B+);**
- Rns1.** Onose Cristian, **Jinga Sorin**, Onose Carmen Suzana Niciu Horațiu, *The obtaining of nanocrystalline cadmium and zinc sulphide*, *Convergence of micro-nano-biotechnologies*, Editura Academiei, seria “Micro and Nanoengineering”, vol. 9, 2006, pag. 95-104, ISBN (10) 973-27-1422-0 si ISBN (13) 978-973-27-1422-5.
- Rns2.** D. Paraschivescu, F. Mihailescu, E. Dima, C. Radulescu, A. Dragomir, **S. Jinga**, *“Sistem de control integral al poluarii la fabricarea sticlăriei de ambalaj”*, *Revista Romana de Materiale* (36), nr.1/ 2006, p 48-56, ISSN-1583-3186
- Rns3.** D. Paraschivescu, F. Mihailescu, **S. Jinga**, *“Inventory of polluting sources on glass manufacture technological flow/Surse de poluare pe fluxul tehnologic de fabricare a sticlei”*, - *Revista Romana de Materiale* (34), nr.2/ 2004, p 15-20, ISSN-1583-3186
- Rns4.** D. Paraschivescu, F. Mihailescu, **S.Jinga**, *“Issues concerning environment protection and conservation in glass manufacturing Part I/Probleme privind protectia si conservarea mediului inconjurator la fabricarea sticlei”*, - *Revista Romana de Materiale* (32), nr.4/ 2002, p 262-266, ISSN-1583-3186
- d) în alte reviste de specialitate de circulație națională (Rno);**
- Rno1.** **S.Jinga**, C.Onose – *“Transparent ferroelectric PLZT ceramic from chemical synthesised powders”*, *Buletinul stiintific al Universitatii Transilvania*, vol. IV, Ed. Universitatii Transilvania, Brasov, 1999, p.162-164, ISBN-973-98797-0-5.
- Rno2.** C.Onose, **S.Jinga** – *“Modificarea spectrelor de transmisie ale ceramicilor optice pe baza de sulfura de zinc in functie de puritate, granulatie si conditii de sinterizare”*, *Buletinul stiintific al Universitatii Transilvania*, vol. IV, Ed. Universitatii Transilvania, Brasov, 1999, p.165, ISBN-973-98797-0-5.
- Rno3.** C.Onose, **S.Jinga** – *“Ceramica semiconductoare cu proprietati electrice nelineare obtinuta prin metode de coprecipitare”*, *Buletinul stiintific al Universitatii Transilvania*, vol. IV, Ed. Universitatii Transilvania, Brasov, 1999, p.158- 161- 170, ISBN-973-98797-0-5.

- Rno4.** C.Onose, **S.Jinga**, C.Constantinescu, Carmen Onose – “*Mathematical modelling of particle size evolution of zinc sulphide used in electronics and IR optics during the synthesis and thermal treatments stages*”, Science and Technology of Environmental Protection, Journal of the Independent Society for Environmental Protection, Bucharest, ROMANIA, vol. 8, 2001, nr. 1, pag. 40-49, ISSN-1221-6909.
- Rno5.** C.Onose, **S.Jinga**, Carmen Onose, C.Constantinescu - “*High purity zinc sulphide for optical electronics and IR optics applications*”, Science and Technology of Environmental Protection, Journal of the Independent Society for Environmental Protection, Bucharest, ROMANIA, vol. 8, 2001, nr. 2, pag. 56-60, ISSN-1221-6909.
- Rno6.** C.Onose, **S.Jinga** – “*Hot pressed calcium fluoride for IR optical windows. Microstructure and purity influence on optical properties*”, Romanian Journal of Optoelectronics, volume 7, issue 4, 1999, p. 52-55, ISSN 1453-0600.

⁴⁰ Articole/studii publicate în volumele unor manifestări științifice: a) internaționale recunoscute (cu ISSN sau ISBN) din țară și din străinătate (Vi) și b) naționale (Vn), inclusiv cotate ISI sau indexate în baze de date internaționale.

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

- Vi1.** Stoica, L. M. Dragne, **S. Jinga**, M. Stroescu, I. Jipa, C. Jinga, *Utilising the Monofactorial Variance Analysis to Determine How Temperature is Influencing the Mycelia Growth Rate* Proceedings of the 2nd International Symposium “New Researches in Biotechnology” Serie F- Special Volume - 2009 BIOTECHNOLOGY, ISSN 1224-7774, BUCHAREST, 2009, p 424-42
- 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;
- Vi3.** **S. Jinga**, E. Andronescu, C. Jinga L. Ionescu, C. Mazilu E. Pavel, *Fluorescent photosensitive glass ceramic for Information 3D optical data storage media*, Proceedings of the 2nd International congress on ceramics-ICC2, Verona, Italia iunie 2008, ISBN: 978-88-8080-084-2.
- Vi4.** Ionut Nicolae, Constantin Grigoriu, Marian Zamfirescu, **Sorin Jinga**, “*Femtosecond laser stainless steel micro-processing*”, Proceedings of LPM2008-the 9th International Symposium on Laser Precision Microfabrication, 16-20 Iunie 2008, Quebec City, Canada, <http://www.jlps.gr.jp/en/proc/lpm/08/>
- Vi5.** L. Nedelcu, A.Ioachim, M.I. Toacsan, M.G. Banciu, E. Andronescu, **S. Jinga**, A. Ianculescu, C. Jinga “*Influence of Processing Parameters on Microwave Dielectric Properties of Barium Tantalate - Based Perovskite Ceramics*”, Proceedings of the Electroceramics XI, Manchester, Anglia, 2008, D3-048, 6 pag. CD-ROM
- Vi6.** D. Martin, C. Grigoriu, I. Nicolae, C.Sima, **S. Jinga**, R. Macarie and P. Biswas, *Study on the capture of nanometric particles from gases released by iron and steel industry*, Proceedings of the European Aerosol Conference, Greece (EAC 2008), Thessaloniki, Greece, CD-ROM
- Vi7.** C. Sima, C.Viespe, C. Grigoriu, **S. Jinga**, *TiO₂ thin films deposited by pulsed laser deposition method*, Condensed Matter Physics Conference of Balkan Countries, Mugla University, Mugla, TURKEY, 26 - 28 May, 2008
- Vi8.** E. Andronescu, **S. Jinga**, G. Voicu, S. Stoleriu, A. Ianculescu, A. Ioachim, M. I. Toacsan, L. Nedelcu, M. G. Banciu, R. Ramer, *Microwave Dielectric Properties of Doped Ba(ZnTa)OCeramics1/32/33*, Proceedings 10th ECeS Conf.Göller Verlag, Baden-Baden, 2007, 686-690, ISBN: 3-87264-022-4;
- 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.
- Vi10.** C. Grigoriu, I. Nicolae, C. Viespe, D. Dragulinescu, D. Martin, **S. Jinga**, R. Macarie, and P. Biswas, *Study on the collection of nanometric powders by electro-static precipitators from iron and steel industry gases emission*, Proceedings of the European Aerosol Conference-(EAC 2007), Salzburg, Austria, 9-14 September, 2007 CD-ROM

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;
- Vn2.** C. Busuioc, L. Nedelcu, N. Preda, C. Bartha, **S.I. Jinga**, M.G. Banciu, E. Andronescu; “*Synthesis and Optical Properties of Lithium Zinc Vanadate Ceramic Powders*”; 11th European Conference on the Applications of Polar Dielectrics - ECAPD-11, July 2012, Aveiro, Portugal ;
- Vn3.** C. Busuioc, L. Nedelcu, M.G. Banciu, E. Andronescu, **S.I. Jinga**, N.D. Scarisoreanu, F.C. Dragoi; “*BaMg_{1/3}Ta_{2/3}O₃ Thin Films Obtained by PLD or Sol-Gel*”; Electroceramics XIII, June 2012, Enschede, Netherlands;
- Vn4.** C. Busuioc, B. Vasile, **S.I. Jinga**, E. Andronescu, L. Nedelcu, M.G. Banciu, A. Ioachim, N.D. Scarisoreanu, M. Dinescu; “*Structural and Dielectric Properties of BaMg_{1/3}Ta_{2/3}O₃ Thin Films*”; Conference of the European Materials Research Society 2011 Fall Meeting - E-MRS 2011 Fall Meeting, September 2011, Warsaw, Poland ;
- Vn5.** Cristina Busuioc, Ecaterina Andronescu, Daniela Berger, **Sorin-Ion Jinga**; “*Two Approaches to Ba(Mg_{1/3}Ta_{2/3})O₃ Compound: Bulk Ceramics and Thin Films*”; 17th Romanian International Conference on Chemistry and Chemical Engineering - RICCE 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}O₃ Complex Perovskites*”; 12th International Balkan Workshop on Applied Physics - IBWAP 2011, July 2011, Constanța, Romania;
- Vn7.** A. Ioachim, M.I. Toacsan, L. Nedelcu, N.D. Scarisoreanu, **S.I. Jinga**, E. Vasile, C. Busuioc; “*Dielectric and Structural Characterization of Ba(Mg_{1/3}Ta_{2/3})O₃ Thin Films Grown by RF-PLD*”; 12th Conference of the European Ceramic Society - ECeS XII, June 2011, Stockholm, Sweden ;
- Vn8.** A. Ioachim, M.I. Toacsan, L. Nedelcu, **S.I. Jinga**, E. Vasile, C. Busuioc, P. Ganea; “*High-Ordered Ba(Mg_{1/3}Ta_{2/3})O₃ Dielectric Ceramics for Microwave Applications*”; 12th Conference of the European Ceramic Society - ECeS XII, June 2011, Stockholm, Sweden ;
- Vn9.** C. Busuioc, D. Berger, C. Matei, **S.I. Jinga**, A. Ioachim, B. Vasile, E. Andronescu; “*Microwave Tantalum-Based Ceramics Obtained from Nano- or Micro-Starting Materials*”; 12th Conference of the European Ceramic Society - ECeS XII, June 2011, Stockholm, Sweden ;
- Vn10.** L. Nedelcu, N.D. Scarisoreanu, C. Busuioc, M.I. Toacsan, M.G. Banciu, A. Ioachim, **S. Jinga**, M. Dinescu; “*Dielectric properties of Ba(Mg_{1/3}Ta_{2/3})O₃ Thin Films Obtained by Radiofrequency Beam Assisted Pulsed Laser Deposition*”; Conference of the European Materials Research Society 2011 Spring Meeting - E-MRS 2011 Spring Meeting, May 2011, Nice, France;
- Vn11.** **S. Jinga**, E. Andronescu, C. Jinga, D. Berger, C. Matei; “*Two Approaches of the Obtaining of Doped Ba(Mg_{1/3}Ta_{2/3})O₃ Microwave Ceramics*”; 3rd International Congress on Ceramics - ICC3, November 2010, Osaka, Japan (poster);
- Vn12.** Cristina Jinga, Ecaterina Andronescu, Daniela Berger, Cristian Matei, **Sorin Jinga**; “*Tantalum-Based Ceramics for Microwave Applications*”; Second Workshop on „Size-Dependent Effects in Materials for Environmental Protection and Energy Application” - SIZEMat2, September 2010, Nessebar, Bulgaria;
- Vn13.** C. Jinga, E. Andronescu, C. Jinga, C. Matei, D. Berger, **S. Jinga**, A. Ioachim; “*Synthesis and Characterization of Pure and Doped Ba(Mg_{1/3}Ta_{2/3})O₃ Nanopowders*”; 12th Annual Conference YUCOMAT, September 2010, Herceg Novi, Montenegro;
- Vn14.** **Sorin Jinga**, Cristina Jinga, Ecaterina Andronescu, Cornelia Jinga, Andrei Ioachim; “*Dielectric Properties of Doped Ba(Mg_{1/3}Ta_{2/3})O₃ Ceramics*”; 12th International Conference on Modern Materials and Technologies, 12th International Ceramics Congress - CIMTEC 2010, June 2010, Montecatini Terme, Italy ;
- Vn15.** Stoica, L. M. Dragne, **S. Jinga**, M. Stroescu, I. Jipa, C. Jinga, “*Utilising the Monofactorial Variance Analysis to Determine How Temperature is Influencing the Mycelia Growth Rate*” 2nd International Symposium “New Researches in Biotechnology” BUCHAREST, 2009

- 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
- Vn17.** **S. Jinga**, E. Andronescu, C. Jinga, A. Ioachim, L. Nedelcu, M.G. Banciu, “*Synthesis, Microstructure and Microwave Dielectric Properties Of Ba(Mg1/3Ta2/3)O3 Ceramics*”, 11th International Conference and Exhibition of the European Ceramic Society -ECERS XI, CRACOVIA, POLONIA, 21-25 iunie 2009, ISBN 978-83-60958-45-2, p 92
- Vn18.** **S. Jinga**, E. Andronescu, S. Stoleriu, C. Jinga A. Ioachim, “*Microstructure and Microwave Dielectric Properties of Doped Ba(Zn1/3Ta2/3)O3 Ceramics*” 11th International Conference and Exhibition of the European Ceramic Society -ECERS XI, CRACOVIA, POLONIA, 21-25 iunie 2009, ISBN 978-83-60958-45-2, p 93
- Vn19.** **S. Jinga**, E. Andronescu, C. Jinga, E. Pavel, E. Rotiu, L. Ionescu, C. Mazilu, “*Nanostructured Glass-Ceramic With Rare Earths for Optical Data Storage*”, 11th International Conference and Exhibition of the European Ceramic Society -ECERS XI, CRACOVIA, POLONIA, 21-25 iunie 2009, ISBN 978-83-60958-45-2, p 173
- Vn20.** **Sorin Jinga**, Cornelia Jinga, “*LiF Single Crystal for Yag:Nd Laser Q-Switch*”, 2nd International Conference on Physics of Optical Materials and Devices -ICOM2009 Herceg Novi, Montenegro 27- 30 August 2009, ISBN 978-86-7306-102-3, p 95
- Vn21.** **Sorin Jinga**, Ecaterina Andronescu, Cornelia Jinga, Eugen Pavel, “*Data Recording by Fluorescent Photosensitive Nanocrystals*”, 2nd International Conference on Physics of Optical Materials and Devices -ICOM2009 Herceg Novi, Montenegro 27-30 August 2009, ISBN 978-86-7306-102-3, p 221
- Vn22.** **S. Jinga**, E. Andronescu, C. Jinga, A. Ioachim, L. Nedelcu, M.G. Banciu, “*BMT Microwave Ceramics*”, 16th Romanian International Conference on Chemistry and Chemical Engineering, September 9 – 12, 2009, Sinaia, Romania, ISBN 978-606-521-349-4, CD-ROM
- Vn23.** **S. Jinga**, E. Andronescu, C. Jinga, E. Pavel, “*Laser Writing Of Nanostructured Glass-Ceramics*”, 16th Romanian International Conference on Chemistry and Chemical Engineering, September 9 – 12, 2009, Sinaia, Romania, ISBN 978-606-521-349-4, CD-ROM
- Vn24.** **Sorin Jinga**, Ecaterina Andronescu, Cristina Jinga, Andrei Ioachim, Liviu Nedelcu, Gabriel Banciu “*Synthesis, Microstructure and Microwave Dielectric Properties of Ba(Mg1/3Ta2/3)O3 Ceramics*”, 10th International Balkan Workshop On Applied Physics, July 6-8, 2009, Constanta, Romania, ISBN 978-973-614-507-0, CD-ROM
- Vn25.** Sorin JINGA, Ecaterina ANDRONESCU, Cornelia JINGA, Eugen PAVEL, “*Data Recording By Fluorescent Photosensitive Nanocrystals*”, 10th International Balkan Workshop On Applied Physics, July 6-8, 2009, Constanta, Romania, ISBN 978-973-614-507-0, CD-ROM
- Vn26.** **S. Jinga**, E. Andronescu, A. Ioachim, M. Toacsan, L. Nedelcu, L. Mihut, *Advanced Perovskite Materials with Special Properties in Microwave and Millimeter Wave Domains*, Conferința CeEx 2008 “Cercetarea de excelență – premiază favorabilă pentru dezvoltarea spațiului românesc de cercetare” Editura Tehnica, ISSN 1844-7090, Brasov, 27-29 iulie 2008;
- Vn27.** **S. Jinga**, E. Andronescu, E. Pavel, E. Rotiu, L. Ionescu, C. Mazilu, D. Patroi, S. Hodorogea, *Optical Data Storage Media with Fluorescent Photosensitive Glass-Ceramic*, Cercetarea de excelență – premiază favorabilă pentru dezvoltarea spațiului românesc de cercetare” Editura Tehnica, ISSN 1844-7090, Brasov, 27-29 iulie 2008;
- Vn28.** C. Grigoriu, D. Martin, I. Nicolae, C. Sima, **S. Jinga**, R. Macarie, P. Biswas, *Advanced Electrostatic Precipitators for Collection of Submicron Powders from Iron and Steel Industry Gases Emission*, Conferința CeEx 2008 “Cercetarea de excelență – premiază favorabilă pentru dezvoltarea spațiului românesc de cercetare” Editura Tehnica, ISSN 1844-7090, Brasov, 27-29 iulie 2008;
- Vn29.** **Sorin Jinga**, Ecaterina Andronescu, C. Jinga, A. Ioachim, L. Nedelcu, M.I. Toacsan, M.G. Banciu, H. V. Alexandru, Petru Nita, N. Scarisoreanu, M. Dinescu *Ceramică pe bază de Ba(Zn1/3Ta2/3)O3 și filme subțiri pentru aplicații de frecvență înaltă Ba(Zn1/3Ta2/3)O3 ceramics and thin films for high frequency applications*, Proceedings of the 10th Conference on Science and Engineering of Oxide Materials -Consilox, Timișoara, Romania, 10–12 septembrie 2008, CD-ROM;
- Vn30.** **S. Jinga**, E. Andronescu, C. Jinga, L. Ionescu, C. Mazilu, E. Pavel, S. Hodorogea “*Vitroceramica fluorosilicatica cu pamanturi rare pentru memorii optice 3D*”, Proceedings of the 10th Conference on Science and Engineering of Oxide Materials -Consilox, Timișoara, Romania, 10–12 septembrie 2008, CD-ROM;
- Vn31.** E. Andronescu, **S. Jinga**, G. Voicu, A. Ioachim, L. Nedelcu, M.I. Toacsan, M.G. Banciu, H. V. Alexandru, S. Antohe, P. Nita, N. Scarisoreanu, M. Dinescu, *Ba(Zn1/3Ta2/3)O3 Ceramics for High Frequency Applications*, Conferința CeEx 2007 “Cercetarea de excelență – premiază favorabilă pentru dezvoltarea spațiului românesc de cercetare” Editura TEHNICA, ISSN 1843-5904, BRASOV, octombrie 2007
- Vn32.** E. Andronescu, **S. Jinga**, G. Voicu, A. Ioachim, L. Nedelcu, M.I. Toacsan, M.G. Banciu, H. V. Alexandru, S. Antohe, P. Nita, N. Scarisoreanu, M. Dinescu, *Pulsed Laser Deposition Ba(Zn1/3Ta2/3)O3 Thin Films for Microwave Applications*, Conferința CeEx 2007 “Cercetarea de excelență – premiază favorabilă pentru dezvoltarea spațiului românesc de cercetare” Editura Tehnica, ISSN 1843-5904, Brasov, octombrie 2007
- Vn33.** E. Andronescu, **S. Jinga**, E. Rotiu, L. Ionescu, C. Mazilu, E. Pavel, D. Patroi, S. Hodorogea, M. Davidescu, V. Vulpe, “*Fluorescent photosensitive glass-ceramics- Media for optical data storage*”, Conferința CeEx 2007 “Cercetarea de excelență – premiază favorabilă pentru dezvoltarea spațiului românesc de cercetare” Editura Tehnica, ISSN 1843-5904, Brasov, octombrie 2007
- Vn34.** A. Ioachim, L. Nedelcu, M. I. Toacsan, M. G. Banciu, A. Lörinczi, M. Popescu, **S. Jinga**, E. Andronescu, “*Microwave Properties of BZT Dielectric Resonators*”, 2th International Conference on Electronics, Computers and Artificial Intelligence”, Proceedings of the ECAI 2007, ISSN-1843-2115, ECAI 2007, June 2007, p58-61, Pitesti, Romania.
- Vn35.** E. Andronescu, **S. Jinga**, S. Stoleriu, G. Voicu, C. Jinga, A. Ioachim, L. Nedelcu, M.I. Toacsan, M.G. Banciu, *Synthesis and Characterization of Doped BZT Materials*, 15th Romanian International Conference of Chemistry and Chemical Engineering (RICCCE-15), septembrie 2007, pag. 64-65, ISBN 978-973-718-785-7;
- Vn36.** E. Andronescu, **S. Jinga**, E. Pavel, E. Rotiu & colab, *Nanocrystals with Rare Earth in Fluorescent photosensitive Glass Ceramic*, 15th Romanian International Conference of Chemistry and Chemical Engineering (RICCCE-15), septembrie 2007, pag. 62-63, ISBN 978-973-718-785-7;
- Vn37.** C. Onose, **S. Jinga**, C.S. Onose, H. Niciu – „*Obținerea sulfurii de zinc și cadmiu nanocristaline*”, Conferința „Cercetarea de Excelență - premiază favorabilă pentru dezvoltarea spațiului românesc de cercetare”, Brașov, octombrie, 2006
- Vn38.** C. Onose, **S. Jinga**– “*The Study of Influence of Structural Inhomogenities upon Optical Parameters of Zinc Sulphide Optical Ceramic*”, 13th Romanian International Conference of Chemistry and Chemical Engineering (RICCCE-13), septembrie 2003, , vol. 2, pag. 128-136, ISBN 973-652-823-5.
- Vn39.** **S. Jinga**, C. Jinga,– “*Optimal Growth Conditions of LiF Single Crystal for YAG:Nd Laser Q-Switch*”, 13th Romanian International Conference of Chemistry and Chemical Engineering (RICCCE-13), septembrie 2003, , vol. 3, pag. 42-47, ISBN 973-652-825-1
- Vn40.** C. Onose, **S. Jinga**– “*The Influence of Structural Inhomogenities upon Optical Parameters of Zinc Sulphide Optical Ceramic*”, 13th Romanian International Conference of Chemistry and Chemical Engineering (RICCCE-13), septembrie 2003, , vol. 3, pag. 54-58, ISBN 973-652-825-1
- Vn41.** C. Onose, **S. Jinga**, Carmen Onose – “*Reaction Mechanism of Zinc Sulphide Synthesis from Zinc Sulphate and Sodium Thiosulphate*”, ARM-New Research Trends in Material Science, Constanta, 2001, pag.157-161, ISBN 973-652-631-3.
- Vn42.** Ecaterina Andronescu, **S. Jinga**, Cornelia Jinga, C. Onose – “*Lithium Fluoride Single Crystals for YAG:Nd Laser Q-switches*”, ARM- New Research Trends in Material Science, Constanta, 2001, pag.313-317, ISBN 973-652-631-3.
- Vn43.** **S. Jinga**, C. Onose – “*Transparent ferroelectric PLZT ceramic*”, publicat pe suport CD-ROM - Cea de-a XI-a Conferinta Internationala de Chimie si Inginerie Chimica (RICCE-11), Bucuresti, 30 septembrie - 2 octombrie, 1999
- Vn44.** C. Onose, **S. Jinga**, Carmen Onose – “*Varistor ceramic obtained by wet method*”, publicat pe suport CD-ROM - Cea de-a XI-a Conferinta Internationala de Chimie si Inginerie Chimica (RICCE-11), Bucuresti, 30 septembrie - 2 octombrie, 1999
- Vn45.** C. Onose, **S. Jinga**, Carmen Onose – “*The obtaining of zinc sulphide phosphorous*”, publicat pe suport CD-ROM - Cea de-a XI-a Conferinta Internationala de Chimie si Inginerie Chimica (RICCE-11), Bucuresti, 30 septembrie - 2 octombrie, 1999
- Vn46.** C. Onose, **S. Jinga**, Carmen Onose - “*Modelarea matematica a curbelor granulometrice determinate prin diferite metode experimentale*” - Lucrarile Conferintei de Chimie si Inginerie Chimica -Bucuresti, 1997, vol.I, p.6-73-79.

- Vn47.** C.Onose, **S.Jinga**, Carmen Onose - *"Modelarea matematica a fenomenului de crestere a granulelor in timpul tratamentului termic"* - Lucrarile Conferintei de Chimie si Inginerie Chimica -Bucuresti, 1997, vol.I, p.6-79-86.
- Vn48.** C.Onose, **S.Jinga** - *"Obtinerea sulfurii de zinc de inalta puritate pentru utilizari in optica si electronica"* - Lucrarile Conferintei de Chimie si Inginerie Chimica -Bucuresti, 1997, vol.I, p.6-91-98.
- Vn49.** **S.Jinga**, C.Onose - *"Modificarea spectrelor de transmisie ale unor ceramici optice in functie de puritate, granulatie si conditii de sinterizare"* - Lucrarile Conferintei de Chimie si Inginerie Chimica - Bucuresti, 1997, vol.IV, p.8-238-244.
- Vn50.** C.Onose, **S.Jinga** - *"Obtinerea oxidului de zinc de inalta puritate pentru electronica"* - Lucrarile Conferintei de Chimie si Inginerie Chimica - Bucuresti, 1997, vol.I, 6-86-91.
- Vn51.** **S.Jinga**, C.Onose - *"Obtinerea pulberilor ceramice pentru varistori, cu compozitia 97%ZnO.- 0,5%Bi₂O₃ - 1%Sb₂O₃ - 0,5%MnO₂ - 0,5%Cr₂O₃ - 0,5%CoO, prin metode de coprecipitare"* - Lucrarile Conferintei de Chimie si Inginerie Chimica - Bucuresti, 1997, vol.IV, p.8-244-251.
- Vn52.** **S.Jinga**, C.Onose - *"Obtinerea pulberilor oxidice pentru ceramica feroelectrică electrooptica, in sistemul Pb-La-Zr-Ti-O, prin metode de coprecipitare"* - Lucrarile Conferintei de Chimie si Inginerie Chimica - Bucuresti, 1997, vol.IV, p.8-232-238.
- Vn53.** **S.Jinga**, C.Onose - *"Ceramica feroelectrică transparentă PLZT-8/65/35 obtinuta prin presare la cald"* - Lucrarile Conferintei de Chimie si Inginerie Chimica - Bucuresti, 1997, vol.IV, 8-251-257.
- Vn54.** C.Onose, **S.Jinga** - *"Influenta anionului asupra ceramicii cu proprietati electrice neliniare, obtinute prin metode de coprecipitare"* - Papers of the Conference on Science and Engineering of Materials CONSILOX-VII, Constanta, septembrie, 1996, pag.188.
- Vn55.** C.Onose, **S.Jinga**, Rodica Rogojan, Carmen Onose - *"Model matematic propus pentru studiul fenomenelor de aglomerare a suspensiilor"* - Papers of the Conference on Science and Engineering of Materials CONSILOX-VII, Constanta, septembrie, 1996, pag.1.
- Vn56.** **S.Jinga**, C.Onose - *"Ceramica optica pe baza de fluorura de calciu, obtinuta prin presare la cald"* - Papers of the Conference on Science and Engineering of Materials CONSILOX-VII, Constanta, septembrie, 1996, pag.211.
- Vn57.** **S.Jinga**, C.Onose - *"Ceramica PLZT din precursori de tip oxalat"* - Papers of the Conference on Science and Engineering of Materials CONSILOX-VII, Constanta, septembrie, 1996, pag.181.
- Vn58.** **S.Jinga**, C.Onose - *"IR optical windows obtained by hot-pressing method starting from high-purity powders"* - Analele Universitatii Bucuresti,1996.
- Vn59.** C.Onose, **S.Jinga** - *"Zinc oxide based ceramic for varistors with high nonlinear coefficient"* - Analele Universitatii Bucuresti,1996.
- Vn60.** **S.Jinga**, C.Onose - *"Ceramica optica pe baza de ZnS, MgF₂ si CaF₂ pentru componente optice cu transmisie in IR."* - Buletinul de Optoelectronica, nr.1/1996, pag.5-9.
- Vn61.** C.Onose, **S.Jinga**, Rodica Rogojan - *"Sinteza sulfurii de zinc fosforescente si corelatia parametri de sinteza - proprietati optice."* - Lucrarile Conferintei de Chimie si Inginerie Chimica, Bucuresti, octombrie, 1995, vol.1. pag.224-229.
- Vn62.** C.Onose, **S.Jinga**, Anca Stanculescu - *"Metoda de sinteza a oxidului de zinc dopat pentru ceramica cu proprietati electrice neliniare"* - Lucrarile Conferintei de Chimie si Inginerie Chimica, Bucuresti, octombrie, 1995, vol.4. pag.551-553.
- Vn63.** **S.Jinga**, C.Onose - *"Influenta granulatiei pulberilor si a microstructurii ceramicii din sulfura de zinc si fluorura de magneziu asupra proprietatilor optice"* - Lucrarile Conferintei de Chimie si Inginerie Chimica, Bucuresti, octombrie, 1995, vol.1. pag.72-77.
- Vn64.** Anca Stanculescu, C.Onose, **S.Jinga** - *"Some consideration of the electrical behaviour of zinc oxide based ceramic for varistors"* - 17th Annual Semiconductor Conference-CAS'94 Proceedings IEEE-Romania Section, vol.1, 1994, pag.639-642.
- 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
- Vn66.** M. Gherghisor, R. Rogojan, **S. Jinga**, *"Studiul unor sisteme ternare cu proprietati optoelectronice"*, Cercetari in Optoelectronica, Bucuresti, 1994, p.278-282

5. Brevete de invenție(B1, B2 etc.).

6. Proiecte de cercetare-dezvoltare-inovare:

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 perovskitiice functionale cu aplicatii in domeniul electronicii si optoelectronici"*, (MATPEROL), PN II 200771- 040 /4/ 2007, (2007-2010), **Responsabil de proiect din partea UPB;**
- Pn6.** *"Vitrocaramici fluorescente fotosensibile pentru stocarea 3D a informatiei"*, (NANOVIFLUOSEN) CEEX 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. CEEX 20062-CEX-06-11-44/ 25.07.2006, (2006-2008), **Responsabil de proiect din partea UPB**
- Pn8.** *"Materiale multifunctionale pentru aplicatii în domeniul microundelor si undelor milimetrice"*-(MATMIUM) CEEX 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), CEEX 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 diametrie mici destinate obtinerii comutatorilor optici cu centrul de culoare de tipul LiF:F₂⁻ 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:F₂⁻"*, 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-internaționale

- 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 PREGĂTIȚII, 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 aditional 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 aditional 237/1999/III, act aditional 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**

decembrie 2019

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