# CURRICULUM VITAE

**Dr. Olivera B. Milosevic**
**Institute of Technical Sciences of Serbian Academy of Sciences and Arts,**
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## PERSONAL INFORMATION

**Gender**: Female
**Date and place of birth**: 13. August 1955, Belgrade, Yugoslavia
**Nationality**: Serbian
**Present address**: 109 Nova 15, Belgrade, Serbia
**Marital status**: Married, one daughter (PhD Student)
**Languages**: Serbian (mother language), English, Spanish

## EDUCATION AND QUALIFICATION:

[1] **Dr.Sc**, Belgrade University, Faculty for Technology and Metallurgy, Materials Science Department, Belgrade (1993) (Dr. Thesis title: "The development of microstructure and crystal phases during sintering of multiphase materials based on ZnO and their correlation with the nonlinear current-voltage properties", Original title: "Razvoj mikrostrukture i kristalnih faza tokom sinterovanja visefaznih materijala na bazi ZnO i njihov uticaj na formiranje nelinearnih strujno-naponskih karakteristika")

[2] **MSc,** Belgrade University (1986), Center for Multidisciplinary Study, Materials Science Department, (MSc Thesis title: "The evolution of the crystal phases and grain growth during sintering of zinc oxide varistor ceramics", Original title: "Promena kristalnih faza i rast zrna tokom zavrsnih stadijuma sinterovanja cink-oksidnih varistora")

[3] **Dipl. Chem. Eng**., Belgrade University, Faculty for Technology and Metallurgy, Chemical Engineering Department, Belgrade (1982) (Diplom thesis title: "Gas hold-up in the vibration mixed column")

## PROFESSIONAL EXPERIENCE:

2012 Visiting professor, Osaka University, Japan

2010- current Professor at post-graduate studies, Belgrade University, Bor Technical Faculty (Lecture courses: "Advanced materials", "Ceramic materials") (Academy year: 2010/2011, 2011/2012, 2012/2013, 2013/2014)

2006/ 2007 Visiting Professor, University Carlos III, Leganes, Madrid, Spain
Materials Science and Engineering and Chemical Engineering Dept.

2003 Visiting Professor, University Carlos III, Leganes, Madrid, Spain
Materials Science and Engineering and Chemical Engineering Department,

2002 Visiting Professor, University Carlos III, Leganes, Madrid, Spain
Materials Science and Engineering and Chemical Engineering Department,

2001 Visiting Professor, University Carlos III, Leganes, Madrid, Spain
Materials Science and Engineering and Chemical Engineering Department

1999 Visiting Researcher in Japan Fine Ceramic Center, Nagoya, Japan

1996-2000, Teacher at post-graduate studies, Belgrade University,
Center of Multidisciplinary Study (lecture courses: "Physical chemistry in solid-states")

1999-current Research professor at at the Institute of Technical Sciences of Serbian Academy of Sciences and Arts (ITS SASA), Belgrade, Yugoslavia

1995-1999 Senior research associate at ITS SASA,

1987-1995 Research associate at ITS SASA,

1983-1987 Research Assistant at ITS SASA,

**AWARDS & FELLOWSHIPS**

2011/2012 JSPS (Japanese Society for the Promotion of Science) fellowship awarder

2010 Holder of the "Catedra de Excelentia", University Carlos III, Madrid, Spain for Foreign Researchers/Professors

2010 Excellency Diploma for the contribution to improving the quality of ModTech International Conference

2006/2007 One-year Sabatic grant (SAB 2004-0035), Ministry of Science and Education, Madrid, Spain

1999 Science and Technology Agency (STA), Japan Fellowship to join JFCC, Nagoya, Japan

1999 The Medal of the Association of Inventors and Authors of Belgrade City for the extraordinary realizations and contribution in the field of development and affirmation of the inventions and innovation applications

1998 The Samsonov's prize for the paper published in the Journal Science of Sintering in the period 1993-1997

**MEMBERSHIP**

- President of the General Assembly of the Serbian Ceramic Society, Belgrade, Serbia
- Full member of the Serbian Engineering Academy
- Full member of the International Institute for Science of Sintering (IISS), Serbian Academy of Sciences and Arts, Belgrade, Serbia and Montenegro
- Member of the European Microscopic Society
- Member of the American Chemical Society
- Member of the Serbian Chemical Society, Belgrade, Serbia and Montenegro

- Member of the Serbian Crystallographic Society, Belgrade, Serbia and Montenegro
- Member of the Materials Research Society of Serbia

**Working Groups & Managing Boards Membership**

- Expert, Working group team member (Ministry of Science and Technological Development): Preparation the Scientific and Technological Development Strategy of the Republic of Serbia for the Period from 2009-2014 (http://www.nauka.gov.rs/eng/)
- Expert in the Nanoscience and Nanotechnology Team, Ministry of Science and Technology, Serbia (MNTR # 119-01-136/2063-01, 19.11.2003.)
- Managing Board member: Vinca Institute of Nuclear Science, Belgrade, Serbia (www.vin.bg.ac.yu) (2001-2003)
- Managing Board member: Institute for Technology of Nuclear and other Raw Materials, Belgrade, Serbia (http://www.itnms.ac.rs/index.htm) (2007-2011)
- Expert in the team: Processing of Engineering, Functional and Nanophased Materials, Ministry of Science,Technology and Research, Republic of Serbia, 2001,
- Board member: Committee for the Technical and Technological Sciences, Ministry for Science and Technology, Serbia, 2000
- LEAR (Legal Entity Appointed Representative) of the Institute of Technical Sciences of Serbian Academy of Sciences and Arts in EU Commission
- Vice-president of the Scientific Board of the Institute of Technical Sciences of Serbian Academy of Sciences and Arts
- Member of the European Powder Metallurgy Association (EPMA) Industry and Development Working Group, Schrewsbery, UK, (1997-2001)
- Member of the Committee for Standardization

**PUBLICATIONS**:

More than 200 publications in relevant international and domestic literature (attached); cited more than 600 times in relevant literature (attached).

**INTERNATIONAL CONFERENCES ORGANIZATION:**

- 2013 Organizer of the C31 Symposium "Nano powder development by advanced techniques" at EUROMAT 2013, 8-11.09.2013, Sevilla, Spain
- Organizing/Scientific Committees Member of the International Conferences on the Characterization and Control of Interfaces for High Quality Advanced Materials and Joining Technology for New Metallic Glasses and Inorganic Materials (ICCCI), Kurashiki, Japan, (2003, 2006, 2009, 2012)
- Organizing/Scientific Committees Member of the International Conferences of the Serbian Ceramic Society, Belgrade, Serbia (2011, 2012)
- President of the Conference Committee, International conference in Modern Manufacturing Technologies, ModTech 2010, Slanic-Moldova, Romania (www.modtech.ro)
- Organizing/Scientific Committees Member of the International Conference on Composites/NanoEngineering", University New Orleans, USA, 2002
- Organizing/Scientific Committees Member of the International Conference on Physics of Optical Materials and Devices, ICOM 2006, Aug.31-Sep.2, Herceg Novi, Serbia and Montenegro

- Organizing/Scientific Committees Member of the X International Conference on the Science of Sintering, Sintering 98, september 1-4, 1998, Belgrade, Yugoslavia

**EDITION & REVIEWING:**

- Guest Editor of the Special issue of Advanced Powder Technology "Nano Powder Development by Advanced Techniques", Vol.25 No.5 (September 2014), (http://www.journals.elsevier.com/advanced-powder-technology/ )
- Guest Editor of the International Journal of Materials and Process Technology (www.inderscience.com )
- Associate Editor of the International Journal of Modern Manufacturing Technologies IJMMT, ISSN 2067-3604 (http://modtech.ro/international-journal/editorial%20board.php)

**Journals, Conference proceedings & Books reviewing**:

- ***Journal of Materials Chemistry*** (IF 5.97), Royal Society of Chemistry, www.rsc.org/publishing/**journals**/jm/about.asp
- ***CrystEngComm*** (IF 3.84), Royal Society of Chemistry, Thomas Graham House, Cambridge UK, www.rsc.org/crystengcomm
- ***New Journal of Chemistry*** (IF 2.605), Royal Society of Chemistry, http://www.rsc.org/publishing/journals/nj/staff.asp
- ***Electrochimica Acta*** (IF 4.039) Elsevier, www.journals.elsevier.com/**electrochimica-acta**/
- ***Journal of Aerosol Science*** (IF 2.755),Elsevier, www.journals.elsevier.com/journal-of- aerosol-science
- ***Materials Letters*** (IF 2.307) , Elsevier, www.journals.elsevier.com/materials-letters/
- ***Journal of Alloys and Compounds***, (IF 2.29), Elsevier, www.journals.elsevier.com/journal-of-alloys-and-compounds/
- ***Materials Research Bulletin*** (IF 2.108), Elsevier, www.journals.elsevier.com/materials-research-bulletin/
- ***Optical Materials*** (IF 1.983), Elsevier, www.journals.elsevier.com/optical-materials/
- ***Advanced Powder Technology*** (IF 1.612), Elsevier, http://www.journals.elsevier.com/advanced-powder-technology/
- ***Chemical Engineering Journal*** (IF 3.681), Springer, http://www.springer.com/materials/journal/339
- ***Metals and Materials International*** (IF 1.183), Springer, http://www.bioxbio.com/if/html/MET-MATER-INT.html
- ***Applied Physics A*** (IF 1.63), Springer, http://www.springer.com/materials/journal/339
- ***Aerosol Science & Technology*** (IF 2.667), Taylor and Fransis Group, www.bioxbio.com/if/html/AEROSOL-SCI-TECH.html
- ***Journal of Materials Research*** (IF 1.395), Materials Research Society, USA
- ***Current Nanoscience*** (IF 2.074), Bentham Science Publisher, University of Cambridge, www.benthamscience.com/cnano
- ***Physica Scripta*** (IF 1.204), Royal Swedish Academy of Sciences, iopscience.iop.org/1402-4896/
- ***Journal of the Electrochemical Society*** (IF 2.590), The Electrochemical Society, USA, www.electrochem.org/dl/jes/
- ***Journal of nanoscience and nanotechnologies*** (IF 1.5), American Scientific Publisher, www.aspbs.com/jnn/

- ***International Journal of Modern Manufacturing Technologies,*** Thomson Reuters
- ***Physica C; Applied Superconductivity Conference, Houston, TX USA, august 4-9, 2002***
- ***Journal of Chemical Engineering of Japan***
- ***Journal of the Electrochemical Society***
- ***Ceramic Transactions***, ed. American Ceramic Society: International conference on the characterisation and control of Interfaces for high Quality Advanced materials, ICCCI, 2003, 2006, Kurashiki, Japan
- ***Materials Science Forum***
- ***Journal Mater.Process.Technology***
- ***Advanced Materials Processing Conference***, Madrid, Spain, September 2001 (AMPT'01)
- ***Book: Metalurgija praha (Powder Metallurgy)*** by Dr Mirjana Mitkov, dr Dusan Bozic and dr Zoran Vujovic
- ***Journal of the Serbian Chemical Society***
- ***Chemical Industry & Chemical Engineering Quarterly***
- Domestic Journal (in Serbian): ***Nauka, tehnika, bezbednost ; Hemijska industrija***
- ***Projects of the Ministry of Science, Serbia***

**INTERNATIONAL SCIENTIFIC COLLABORATION:**

--University Carlos III, Madrid, Spain,
-University Rey Juan Carlos, Madrid, Spain
-Complutense University, Madrid, Spain
-Japan Fine Ceramic Center, Nagoya, Japan
-Osaka University, Osaka, Japan
-RBI, Meylan, Grenoble, France
-Jozef Stefan Institute, Ljubljana, Slovenia
-RWTH,Aachen Univesrity, Aachen, Germany
-Sussex University, Brighton, UK
-Pontificia Universidad Catolica (PUC), Rio de Janeiro, Brasil

**INTERNATIONAL SCIENTIFIC CONTRACTS AND PROJECTS**:

-- -**Project** (2010-2014), R+D in Technology Funding applications, Appeal/2009 of the **Regional Government of Madrid, Spain** (ACT 679/2009, 19 February): Durability and Conservation of geomaterials in the Built Heritage (GEOMATERIALES), Institute of Economic Geology, CSIC-UCM; Dr Milosevic leads the Nanotechnology group of ITS SASA as Associated member.

-**Agreement on Academic & Technical Cooperation** Between **Institute of Technical Sciences of Serbian Academy of Sciences and Arts, Serbia** And **Joining and Welding Research Institute, Osaka University, Japan** (August 2009).

- **Cultural, Education and Scientific Agreement** in the field of materials science, between Faculdades Católicas, sponsor of **Pontifícia Universidade Católica do Rio de Janeiro ( PUC-Rio), Brasil** and the **Institute of Technical Sciences of the Serbian Academy of Sciences and Arts** (ITS SASA), **Serbia** (June 2008).

**-COST Materials Action 539** (**2006-2009**): Electroceramics from nanopowders produced by innovative methods (ELENA); Dr Milosevic acts as the expert and team leader in WG 1, http://www.uni-duisburg-essen.de/ivg/nano/

**-BMBF Project** (**Germany**) "Designing of nanoparticle morphology in aerosol synthesis" (01.07.2006 - 31.12.2008); Dr Milosevic acts as a Foreign expert.

**-Bilateral cooperation** with **Germany, Aachen University (RWTH Aachen);** Dr Milosevic leads the program: Ultrasonic spray synthesis of nanoscaled Cu and Pt/ZnO (MOE 05/R60, BMBF, 24.06.**2005**).

-"Interface control at high temperature", **NEDO International Joint Research Grant, the New Energy and Industrial Technology Development Organization (NEDO), Japan, 2001-2005;** Dr Milosevic leads the program: Application of the interface control to the composite materials synthesis by spray pyrolysis

-"Synthesis, structure and properties of nanostructural metal, ceramic and composite materials"; Leads the program between the **ITS SASA and RBI, Meylan, France**, since **1998**

-"Synthesis and microanalysis of ceramic materials"; Dr Milosevic participated in the **US-Yugoslav joint project, 1992-1995**

**PARTICIPATION IN DOMESTIC SCIENTIFIC PROJECTS (1990-2010)**:

**2010-2014**
Project # OI 172035: „Rational design and the synthesis of biologically active and coordinated compounds and functional materials relevant in (bio) nanotechnologies", (Subproject leader: Synthesis and characterization of 1D and 3D functional nanomaterials having high surface-to volume-ratio with application in energy and ecology), Ministry of Science and Environmental Preservation, Republic of Serbia

**2010-2014**
Project # III 45020: „The materials with reduced dimensions for the efficient light apsorption and energy conversion (Subproject leader: Aerosol synthesis of nanopowders based on nonstoichiometric metal oxides), Ministry of Science and Environmental Preservation, Republic of Serbia

**2011-2013** Project with the National bank of Serbia related to the processing and characterization of advanced phosphor materials, Dr Milosevic is a Project coordinator

**2006-2010**
-Synthesis, characterization and activity of organic and coordinated compounds and their application in (bio) nanotechnology, (Project No 142010) (Program leader), Ministry of Science and Environmental Preservation, Republic of Serbia

**2005**
-Synthesis and structure of platinum(IV) complex and similar coordinative compounds as precursors of nanostructure materials, Project No 1123, Ministry of Science and Environmental Preservation, Republic of Serbia

**2001-2004**

-"Synthesis of functional materials in accordance with the synthesis-structure-properties-application relationship' financed by the Ministry for Science and Technology of Serbia

**1995-1999**

-"Prognosis of materials properties from the viewpoint of the synthesis-structure-properties relationship" , Ministry of Science and Technology of Republic of Serbia

-"Investigation of the consolidation process in materials", Ministry of Science and Technology of Republic of Serbia and Serbian Academy of Sciences and Arts, Belgrade

**1991-1995**

-"Physico-chemical processes in homogeneous and heterogeneous systems", Ministry of Science and Technology of Republic of Serbia

- "Synthesis, characterization and properties of composite materials having ceramic matrix", Ministry of Science and Technology of Republic of Serbia

-"Synthesis of nonlinear surge arresters based on ZnO with high microstructure homogeneity and advanced electrical properties by the directed synthesis of the constituent phases", Ministry of Science and Technology of Republic of Serbia, MINEL-Beograd

-"Research and development of piezoelectric and semiconducting barium titanate with advanced properties through chemical synthesis", Ministry of Science and Technology of Republic of Serbia, Serbian Academy of Sciences and Arts, MINEL-Beograd, Sinter-Uzice

**PLENARY/INVITED LECTURES:**

**1.** "Aerosol-assisted processing of hierarchically organized functional nanoparticles", ModTechInternational Conference: Modern technologies in Industrial Engineering, 27-29 June 2013, Sinaia, Romania (Plenary)

**2.** "Aerosol route as a promising bottom-up approach for tailoring of functional nanomaterials", Symposium on Super Hybrid Materials, March 10$^{th}$, 2012, Advanced Institute for materials Research (IMRAM), Tohoku University, Sendai, Japan

**3.** "Aerosol route as a promising bottom-up chemical approach for functional nanoparticles processing", ICCCI 2012-International Conference on the Characterization and Control of Interfaces for High Quality Advanced Materials), September, 2-5, 2012, Kurashiki, Japan (http://www.jwri.osaka-u.ac.jp/~conf/iccci2012)

4. "Aerosol-assisted tunning of structural and morphological features of nanoscaled functional materials", KONA Symposium organized by Hosokawa Powder Technology Foundation (http://www.kona.or.jp), September, 5, 2012, Kurashiki, Japan,

5. "Aerosol-assisted processing of phosphor particles, Seminar on recent achievements in tailoring of functional nanomaterials", JWRI, Osaka University, September, 6, 2012

6. "Aerosol synthesis of rare-earth based nanophased functional materials", ICCCI 2009, Kurashiki, , 6-9 september, 2009 Japan (invited)

7. "Aerosol synthesis and characterization of rare-earth based nanophased functional materials", Symposium COE -Center of Excellence 21$^{st}$ Century, Osaka University, Osaka, september 2009 Japan (invited)

8. "The opportunities of the ultrasonic aerosol routes for advanced materials processing", Symposium: R&D days: Project development, Emilia Romagna Region Symposium, 20-21 september 2006, Bologna, Italy

9. “The opportunities of the aerosol route for the nanopowders design”, COST Materials Action 539: Electroceramics from nanopowders produced by innovative methods (ELENA), Vilnius University, Vilnius, October 14-16, 2005, Lithuania

10. “The morphological and structural properties of the nanophased particles processed” , Symposium COE -Center of Excellence 21st Century, Osaka University, Osaka, 11 september 2006 Japan

11. “Nanoscale particle processing through aerosol routes”, International Conference on Control and Characterization of interfaces, ICCCI 2006, Kurashiki, , 6-9 september, 2006 Japan

12. “Aerosol synthesis of nanophase materials in different oxide systems for functional application”, International conference on optoelectronics and spectroscopy of nano-structured thin films and materials, August 5, 2004, Beijing, China

13. “Oxides and composite materials processing for functional application through the aerosol synthesis route”, Okuyama University, September, 28, 2003, Okuyama, Japan

14. “Aerosol synthesis of functional nanophase materials”, Microcoating Company, Atlanta, July, 2002, GE, USA,

15. “Functional materials synthesis through aerosol routes”, Institute Jozef Stefan, Ljubljana, April, 2001, Slovenia,

16. "The main principles of the science of sintering regarding nanostructured materials", New Challenges in Catalysis, Serbian Academy of Sciences and Arts, Department of Chemical and Biological Sciences, October 29, 1999, Belgrade, Yugoslavia

17. "Materials science and technology-current problems and perspectives", Scientific meeting: Triad synthesis-structure-properties as the base for Advanced materials processing) (Naucni skup Trijada sinteza-struktura-svojstva, Osnova tehnologije novih materijala), Beograd, 16-18 Novembar 1999, ed. Serbian Academy of Sciences and Arts, Yugoslavia

18. "Functional materials synthesis through aerosol routes" Japan Fine Ceramic Center, August 1999, Japan

19. "Development of Nanophased Oxide, Nonoxide and Metal Powders by the Reactions in Aerosols", European Powder Metallurgy Association General Assembly/Management Seminar, Annecy, April 1998, France

20. "Aerosol synthesis of nanostructured materials" IX World Round Table Conference "Sintering 98", september 1-4, 1998, Belgrade, Yugoslavia

21. "Aerosol synthesis of nanophased materials", Konan University, Kobe, July 1999, Japan

22. "Aerosol synthesis of ultrafine powders", Japan Fine Ceramic Center, june 1999, Japan

23. "Advanced synthesis of nanophased materials", Hiroshima University, Chemical Engineering department, Hiroshima, July 1999, Japan

24. " Nanophased materials-current status and future trends" (Nanofazni nmaterijali-savremeni razvoj i perspektive), Scientific Meeting: Triad synthesis-structure-properties as the base for Advanced materials processing) (Naucni skup Trijada sinteza-struktura-svojstva, Osnova tehnologije novih materijala), Beograd, 16-18 Novembar 1999, ed. Serbian Academy of Sciences and Arts, Yugoslavia

25. ”Nanostructured materials-technology, synthesis and properties (Nanostrukturni materijali - tehnologija, sinteza i svojstva)", Round Table Conference: Synthesis, structure and properties of materials, 4, 5 i 6 septembar 1996, Cacak, Yugoslavia

26. "The reaction spray pyrolysis: a convenience method for synthesis of ZnO-based varistor materials", Serbian Academy of Sciences and Arts, Belgrade, 1996, Yugoslavia

27. "The development of advanced materials from the aspect of controlled powder synthesis (Razvoj savremenih materijala sa aspekta dirigovane sinteze prahova)", Serbian Academy of Sciences and Arts, Department for Physical Chemistry of Materials, Beograd, 1996, Yugoslavia

28. "Synthesis of ZnO nonlinear ceramics through chemical routes", Institute Jozef Stefan, Ljubljana, 1989, Slovenia,

## LIST OF PUBLICATIONS

### *ISI* PUBLICATIONS

1. Lojpur, V., Mancic, L., Rabanal, M.E., Dramicanin, M.D., Tan, Z., Hashishin, T., Ohara, S., **Milosevic, O**., Structural, morphological and luminescence properties of nanocrystalline up-converting Y1.89Yb0.1Er0.01O3 phosphor particles synthesized through aerosol route**, Journal of Alloys and Compounds,** 580, 2013, pp. 584-591

2. Dugandžić, I., Lojpur, V., Mančić, L., Dramićanin, M.D., Rabanal, M.E., Hashishin, T., Tan, Z., Ohara S, **Milošević, O**., Aerosol route as a feasible bottom-up chemical approach for up-converting phosphor particles processing**, Advanced Powder Technology** 24 (5) , 2013, pp. 852-857

3. Gomez-Villalba, L.S. , Sourty, E., Freitag, B., **Milosevic, O**., Rabanal, M.E., TEM-STEM study of europium doped gadolinium oxide nanoparticles synthesized by spray pyrolysis, **Advanced Powder Technology**, 24 (5) , 2013, pp.864-870

4. Dugandžić, I.M., Jovanović, D.J., Mančić, L.T., **Milošević, O.B.**, Ahrenkiel, S.P., Šaponjić, Z.V., Nedeljković, J., Ultrasonic spray pyrolysis of surface modified $TiO_2$ nanoparticles with dopamine**, Materials Chemistry and Physics** 143 (2013) 233-239

5. Lidija Manc˘ic´, Vesna Lojpur, Bojan A. Marinkovic´, Miroslav D. Dramic´anin, **Olivera Miloševic**, Hydrothermal synthesis of nanostructured $Y_2O_3$ and $(Y_{0.75}Gd_{0.25})_2O_3$ based phosphors, **Optical Materials** 35 (2013) 1817–1823

6. V.Lojpur, M.Nikolić, L.Mančić, **O.Milošević**, M.D.Dramićanin, $Y_2O_3$ :Yb, Tm and $Y_2O_3$:Yb,Ho powders for low-temperature thermometry on up-conversion luminescence, **Ceramics International**, 39 (2), (2013), 1129-1134

7. Vesna Lojpur; Marko Nikolic; Lidija Mancic; **Olivera Milosevic**, Miroslav Dramicanin, Up-conversion luminescence in Ho3+ and Tm3+ co-doped $Y_2O_3$ :$Yb^{3+}$ fine powders obtained through aerosol decomposition, **Optical Materials**, 35 (1), 2012, pp. 38-44

8. I. Dugandžić, D. J. Jovanović, L. Mančić, N. Zheng, S. P. Ahrenkiel, **O. Milošević**, Z. V. Šaponjić, J. M. Nedeljković, Surface modification of submicronic $TiO_2$ particles prepared by ultrasonic spray pyrolysis for visible light absorption, **J Nanopart Res** 14(10) (2012) 1157, 14:1157 DOI 10.1007/s11051-012-1157-1

9. Lidija Mancic, Vesna Lojpur, Maria Eugenia Rabanal and **Olivera Milosevic**, Synthesis of fine YAP:Ce phosphor particles via aerosol route, **European Journal of Inorganic Chemistry,** 16, 2012, 2716-2724

10. Barroso, I., Mena, I., Gomez, L.S, **Milosevic, O**., Rabanal, M.E., Evaluación de las propiedades luminiscentes y detección de Eu2+ en partículas nanoestructuradas del sistema Gd2-xEu xO3 (x= 0.05, 0.10 y 0.30) | [Evaluation of luminescent properties and detection of Eu2+ in nanostructured particles of Gd2-x EuxO3 system (x= 0.05, 0.10 and 0.30)]**, Boletin de la Sociedad Espanola de Ceramica y Vidrio** 51 (5) , 2012, pp. 255-260

11. Paula M. Jardim, Lidija Mančić, Bojan A. Marinković, **Olivera Milošević**, Fernando Rizzo, $Na_{x-y}H_yTi_{2-x}Fe_xO_4.nH_2O$ nanosheets with lepidocrocite-like layered structure synthesized by hydrothermal treatment of Ilmenite mineral sand as precursor, **Central European Journal of Chemistry**, 9 (3), 2011, pp. 415-421

12. L. Mančić, B. A. Marinković, K. Marinković, M. Dramićanin, and **O. Milošević**, Soft chemistry routes for synthesis of rare earth oxide nanoparticles with well defined morphological and structural characteristics, **Journal of Nanoparticle Research**, 13 (11), 2011, 5887-5897

13. L.S. Gomez Villalba, , M.E. Rabanal, R. Fort, **O. Milošević**, Synthesis of nanoparticles by top-down and bottom-up methods, its applications in cultural heritage: a study using electron microscopy, **Acta Microscopica**, Vol 20, 2, 2011

14. K.Marinkovic, L.Mancic, L.S.Gomez, M.E. Rabanal, M.Dramicanin, **O.Milosevic**, Photoluminescent properties of nanostructured $Y_2O_3:Eu^{3+}$ and $(Y_{1-x}Gd_x)_2O_3:Eu^{3+}$ powders obtained by aerosol synthesis, 2nd International Conference on Physics of Optical Materials and Devices ICOM, 27-30 August 2009, Herceg Novi, Montenegro, **Optical materials**, 32 (2010) 1606–1611

15. L.Mancic**,** K.Marinkovic, B.Marinkovic, M.Dramicanin and **O.Milosevic**, YAG:$Ce^{3+}$ nanostructured particles obtained via spray pyrolysis of polymeric precursor solution, **Journal of the European Ceramic Society**, 30 (2) (2010) 577-582

16. I.Martin, L.Gomez, **O.Milosevic**, M.E. Rabanal, "Nanostructured Alumina Particles Synthesized by the Spray Pyrolysis method: Microstructural and Morphological Analysis", **CERAMICS INTERNATIONAL**, 36(2), 2010, pp.767-772 3951/2009, http://dx.doi.org/10.1016/j.ceramint.2009.10.013

17. Lidija T. Mancic, Bojan A. Marinkovic, Paula M. Jardim, **Olivera B. Milosevic**, and Fernando Rizzo, Precursor Particle Size as the Key Parameter for Isothermal Tuning of Morphology from Nanofibers to Nanotubes in the Na2-*x*H*x*Ti*n*O2*n*+1 System through Hydrothermal Alkali Treatment of Rutile Mineral Sand, **Crystal Growth & Design,** 2009, VOL. 9, NO. 5, 2152–2158

18. Gomez, L. S.; Marinkovic, K.; Martin, M. I.; Mena, I.; **Milosevic, O**.; Rabanal, M. E. Synthesis and characterization of rare earth oxide nanostructured particles doped with Eu for luminescent applications obtained by aerosol method **BOLETIN DE LA SOCIEDAD ESPANOLA DE CERAMICA Y VIDRIO** 2009 48 (1):33-38

19. **O. Milosevic**, L.Mancic, M.E.Rabanal, L.Gomez, K.Marinkovic, Aerosol route in processing of nanostructured functional materials, **KONA Powder and Particle Journal** No.27, 2009, pp. 84-106 (**Review article**)

20. K.Marinkovic, L.Gomez, M.Rabanal, L.Mancic, **O.Milosevic**, Aerosol route in processing of nanostructured phosphor materials, **Processing and Application of Ceramics**, 4 [3] 2010, 163-173

21. L.S. Gómez, E. Sourty , B.Freitag, **O.Milosevic**, M. E. Rabanal, STEM characterization of nanostructured oxides synthesized by spray pyrolysis, **Acta Microscopica,** Vol. 18, Supp. C, 2009

22. M.I.Martin, M.E. Rabanal, L.S.Gomez, J.M.Torralba, **O.Milosevic**, Microstructural and morphologic analysis of nanostructured alumina particles synthesized at low temperature via aerosol route, **Journal of the European Ceramic Society,** 28 (2008), 2487-2494

23. B.A. Marinkovic, L. Mancic, P.M. Jardim, **O. Milosevic** and F. Rizzo, Hydrothermal synthesis of $Na_xFe_xTi_{2-x}O_4$ from natural ilmenite sand: A $CaFe_2O_4$ structure type compound, **Solid State Communications** 145 (7-8) 346-350 (2008)

24. M.E. Rabanal, L.S Gómez, A. Khalifa, J.M. Torralba, L. Mancic, **O. Milosevic,** Structural properties of europia-doped-gadolinia synthesized through aerosol, **Journal of the European Ceramic Society 27 (13-15),** (2007), 4325-4328

25. L. Mančić, G. Del Rosario, Z. V. Marinković Stanojevic, **O. Milošević**, Phase evolution in Ce-doped yttrium-aluminum-based particles derived from aerosol, **Journal of the European Ceramic Society, 27 (13-15),** (2007), 4329-4332, IF 1.248

26. Lj. Kandic, K. Marinkovic, L. Mancic, Gilberto del Rosario, **O. Milosevic,** Low Temperature Aerosol Synthesis of YAG:$Ce^{3+}$ Nanostructures: Comparative Study of the XRPD Micro structural Parameters, **Materials Science Forum, 555** (2007),395-400

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