

LIST OF PUBLICATIONS

1. PAPERS PUBLISHED IN PEER-REVIEW JOURNALS

41. A. M. Voiculescu, S. Hau, G. Stanciu, C. Gheorghe, "Effects of Eu^{3+} concentration on the thermoluminescence properties of narrow-band red-emitting $\text{Eu}^{3+}:\text{SrLaGaO}_4$ phosphor," J. Alloys & Compds. **958**, 170507 (2023).
40. A. M. Voiculescu, S. Hau, G. Stanciu, D. Avram, C. Gheorghe, "Optical thermometry through infrared excited green upconversion emissions of Er^{3+} - Yb^{3+} co-doped LaAlO_3 phosphors," J. Lumin. **242**, 118602 (2022).
39. A. M. Voiculescu, C. E. Tihon, S. Hau, G. Stanciu, O. Toma, "Optical study of $\text{SrLaGa}_3\text{O}_7$ ceramic samples doped with Er^{3+} and Yb^{3+} ," Opt. Mater. **100**, 109613 (2020).
38. S. Georgescu, A. Stefan, A.M. Voiculescu, and O. Toma, "Judd-Ofelt analysis of Tm^{3+} doped in CaSc_2O_4 ceramic samples," J. Lumin. **166**, 130-136 (2015).
37. A.M. Voiculescu, S. Georgescu, C. Matei, A. Stefan, and O. Toma, "Synthesis and characterization of $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ doped with holmium and ytterbium," Rom. J. Phys. **60**(3-4), 495-501 (2015).
36. S. Georgescu, A. Stefan, A. M. Voiculescu, O. Toma, "Judd-Ofelt analysis of ceramic $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ doped with Er^{3+} ," J. Lumin. **162**, 168-173 (2015).
35. S. Georgescu, A. Stefan, O. Toma, A. M. Voiculescu, "Judd-Ofelt analysis of Ho^{3+} doped in ceramic CaSc_2O_4 ," J. Lumin. **162**, 174-179 (2015).
34. I. Bibicu, S. Constantinescu, L. Diamandescu, A. M. Voiculescu, E. Cotoi, "Mössbauer spectroscopy on $\text{YVO}_4:\text{Eu}$ luminescent material," Rom. Reports Phys. **66** (4), 1012-1017 (2014).
33. S. Georgescu, O. Toma, C. Matei, A.M. Voiculescu, and A. Ștefan, "Judd-Ofelt analysis of Tm^{3+} in $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ ceramic with granular structure," J. Lumin. **157**, 35-38 (2015).
32. S. Georgescu, A. Stefan, A. M. Voiculescu, O. Toma, C. Matei, R. Birjega, "Peculiarities of the $\text{Ho}^{3+} \rightarrow \text{Yb}^{3+}$ energy transfer in $\text{CaSc}_2\text{O}_4:\text{Ho}:\text{Yb}$," J. Lumin. **154**, 142-147 (2014).
31. S. Georgescu, A. M. Voiculescu, C. Matei, A. Stefan, O. Toma, R. Birjega, "Upconversion luminescence in langatate ceramics doped with Tm^{3+} and Yb^{3+} ," J. Lumin. **154**, 74-79 (2014).
30. S. Georgescu, A. M. Voiculescu, S. Nastase, A. Zanfir, C. Matei, D. Berger, C. Matei, A. Stefan, and O. Toma, "Luminescence of Eu-doped langasite nanopowders synthesized by a modified Pechini route," J. Lumin. **145**, 690-696 (January 2014).
29. S. Georgescu, A. M. Voiculescu, C. Matei, C. E. Secu, R. F. Negrea, and M. Secu, "Ultraviolet and visible up-conversion luminescence of $\text{Er}^{3+}/\text{Yb}^{3+}$ co-doped CaF_2 nanocrystals in sol-gel derived glass-ceramics," J. Lumin. **143**, 150-156 (2013).
28. A. M. Voiculescu, S. Georgescu, C. Matei, A. G. Stefan, L. Gheorghe, A. Achim, and F. Voicu, "Infrared-excited red, green, violet and UV luminescence from langasite crystal doped with erbium and ytterbium," Rom. J. Phys. **58** (1-2), 136-142 (2013).
27. S. Georgescu, A. M. Voiculescu, C. Matei, A. G. Stefan, and O. Toma, "Violet and near-ultraviolet in $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ codoped with Er^{3+} and Yb^{3+} ," Physica B **413**, 55-58 (2013).

26. A. M. Voiculescu, S. Georgescu, S. Nastase, C. Matei, D. Berger, C. Matei, A. Stefan, and O. Toma, "Upconversion luminescence of Er³⁺/Yb³⁺ co-doped nanolangasite synthesized by a modified Pechini route," *J. Sol-Gel Sci. Technol.* **64** (3), 667-672 (2012).
25. L. Petrescu, O. Cinteza, A.M. Voiculescu, T. Rosu, I. Enculescu, E. Matei, S. Georgescu, R. Birjega, S. Avram, and D. Mihailescu, "Interaction of NaYF₄:Er:Yb Nanoparticles with Phospholipid Monolayers as Models of Biological Membranes," *Revista de Chimie* **63** (9), 956-961 (2012).
24. S. Georgescu, A. M. Voiculescu, O. Toma, S. Nastase O. Toma, C. Matei, R. Birjega, "Effect of aluminum substitution on the phase stability and luminescence properties of Eu-doped langanite nano-powders synthesized by a citrate sol-gel method," *Rom. Reports Phys.* **64** (3), 737-742 (2012).
23. S. Georgescu, O. Toma, A. M. Voiculescu, C. Matei, and R. Birjega, "Infrared-excited bright green and red luminescence in La₃Ga_{5.5}Ta_{0.5}O₁₄ doped with erbium and ytterbium," *Physica B -Condensed Matter* **407** (7), 1124-1127 (2012).
22. S. Georgescu, O. Toma, A. M. Voiculescu, L. Gheorghe, A. Achim, "Energy level scheme of Eu³⁺:La₃Ga₅SiO₁₄ (langasite)," *Optoelectronics and Advanced Materials - Rapid Communication*, **6** (2), 22-24 (2012).
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20. A. M. Voiculescu, S. Georgescu, O. Toma, S. Nastase, R. Birjega, L. Petrescu, I. Enculescu, E. Matei, "Upconversion luminescence of Er, Yb-doped nanolanganite powders synthesized by a citrate sol-gel method", *Optoelectronics and Advanced Materials - Rapid Communications*, **5** (11), 1170-1173 (2011).
19. S. Georgescu, A. M. Voiculescu, O. Toma, L. Gheorghe, A. Achim, "⁵D₀ luminescence in europium-doped langanite", *Optoelectronics and Advanced Materials - Rapid Communications*, **5** (11), 1139 -41 (2011).
18. S. Georgescu, A. M. Voiculescu, O. Toma, L. Gheorghe, A. Achim, C. Matei, and S. Hau, "Luminescence efficiency of europium doped LGS, LGT, and LGN crystals," *Optoelectronics and Advanced Materials - Rapid Communications* **4** (12), 1937-1941 (2010).
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15. S. Georgescu, E. Cotoi, A. M. Voiculescu, O. Toma, C. Matei, "Reflectance spectra of YVO₄:Eu³⁺ synthesized by direct precipitation," *Romanian Journal of Physics* **55** (7-8), 750-757 (2010).
14. A. M. Voiculescu, E. Cotoi, O. Toma, S. Georgescu, S. Constantinescu, I. Bibicu, "Optical and Mössbauer spectroscopy studies on YVO₄:Eu nanophosphor," *Rom. Reports in Physics* **62** (1), 121-127 (2010).
13. S. Georgescu, A. M. Voiculescu, C. Matei, O. Toma, L. Gheorghe, A. Achim, "Reflectance measurements on Europium-doped Langasite, Langanite and Langatate powders," *Rom. Reports in Physics* **62** (1), 128-133 (2010).
12. S. Georgescu, E. Cotoi, A. M. Voiculescu, O. Toma, M. N. Grecu, E. Borca, S. Hodoroagea, "Optical and EPR investigations of the thermal treatment effects on YVO₄ nanocrystals", *Optoelectronics and Advanced Materials - Rapid Communications*, **3** (12), 1383-1387 (2009).
11. S. Georgescu, A. M. Voiculescu, O. Toma, C. Tiseanu, L. Gheorghe, A. Achim, C. Matei, "Eu-doped langasite, langatate and langanite - possible new red phosphors", *Optoelectronics and Advanced Materials - Rapid Communications*, **3** (12), 1379-1382 (2009).
10. S. Georgescu, E. Cotoi, A. M. Voiculescu, O. Toma, "Effects of particle size on the luminescence of YVO₄:Eu nanocrystals," *Rom. Reports in Physics* **60** (4), 947-955 (2008).
9. S. Georgescu, O. Toma, A. M. Chinie, L. Gheorghe, A. Achim, A. S. Stefan, "Excited state dynamics of Eu³⁺ in the partially disordered crystals La₃Ga₅SiO₁₄ and La₃Ga_{5.5}Ta_{0.5}O₁₄," *J. Lumin.* **128** (5-6), 741-743 (2008).

8. S. Georgescu, O. Toma, A. M. Chinie, L. Gheorghe, A. Achim, A.S. Stefan, "Spectroscopic characteristics of langasite ($\text{La}_3\text{Ga}_5\text{SiO}_{14}$) and langatate ($\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$) crystals doped with Eu^{3+} ," *Opt. Mat.* **30** (6), 1007-1012 (2008).
7. S. Georgescu, A. M. Chinie, A. Stefan, O. Toma, "Spectroscopy of Eu:YAG nanopowders," *Phys. Stat. Sol. (c)* **4** (3), 280-283 (2007).
6. S. Georgescu, O. Toma, L. Gheorghe, A. Achim, A. M. Chinie, A. Stefan, "Disorder effects in the fluorescence spectra of Eu^{3+} in langatate ($\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$) crystals," *Opt. Mat.* **30**, 212-215 (2007).
5. S. Constantinescu, S. Georgescu, I. Bibicu, A. M. Chinie, A. S. Stefan, O. Toma, "Mössbauer and optical investigation of EU:YAG nanocrystals synthesized by a sol-gel method," *Romanian J. of Physics* **52** (3-4), 295-307 (2007).
4. A.M. Chinie, S. Georgescu, A. Mateescu, A. Stefan, "Thin films of YAG:Er," *Romanian J. of Physics* **51** (7-8), 827-831 (2006).
3. A.M. Chinie, A. Stefan, S. Georgescu, O. Toma, E. Borca and M. Bercu, "Structural and spectroscopic characterization of Re^{3+} (Er^{3+} , Eu^{3+} , Tb^{3+}) doped nanocrystalline of YAG produced by a sol-gel method," *Journal of Optoelectronics and Adv. Mat.* **8**, (1) 95-98 (2006).
2. S. Georgescu, A. M. Chinie, A. Stefan, O. Toma, "Effects of thermal treatment on the luminescence of YAG:Eu nanocrystals synthesized by a nitrate-citrate sol-gel method," *Journal of Optoelectronics and Adv. Mat.* **7** (6), 2985- 2990 (2005).
1. A.M. Chinie, A. Stefan, S. Georgescu, "Synthesis by a citrate sol-gel method and characterization of Eu^{3+} -doped yttrium aluminum garnet nanocrystals," *Romanian Rep. Phys.* **57** (3), 412-417 (2005).

2. PROCEEDINGS OF INTERNATIONAL CONFERENCES

(Presentations at International Meetings published in extended version)

8. S. Georgescu, A. M. Voiculescu, C. Matei, A. G. Stefan, and O. Toma, "Upconversion luminescence in $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ codoped with Er^{3+} and Yb^{3+} ," *Proc. SPIE 8882, ROMOPTO 2012: Tenth Conference on Optics: Micro- to Nanophotonics III*, 888204 (June 10, 2013); doi: 10.1117/12.2032265; <http://dx.doi.org/10.1117/12.2032265>
7. S. Georgescu, A. M. Voiculescu, E. Cotoi, O. Toma, L. Gheorghe, A. Achim, C. Matei, I. Enculescu, E. Matei, and M. Osiac, "Optical and morphologic properties of $\text{YVO}_4:\text{Eu}$ phosphor," *Proc. SPIE 7469, Micro- to Nano-Photonics II - ROMOPTO 2009 Conference*, August 31 - Sept. 03, 2009, Sibiu, Romania; paper 74690C (2010).
6. A. M. Voiculescu, E. Cotoi, O. Toma, S. Georgescu, S. Constantinescu, I. Bibicu, "Optical and Mössbauer spectroscopy studies on $\text{YVO}_4:\text{Eu}$ nanophosphor," *Proceedings of International Conference "MODERN LASER APPLICATIONS", INDLAS, Second Edition 2008, May 20-23, 2008, Bran, Romania; J. of Optoelectron. & Adv. Mat. (JOAM) - Symposia, Vol. 1, No. 4, 670-672 (2009).*
5. O. Toma, S. Georgescu, A. M. Voiculescu, E. Cotoi, "Dynamics of the upconversion laser emission at 850 nm in $\text{Er}:\text{YLiF}_4$," *Proceedings of International Conference "MODERN LASER APPLICATIONS", INDLAS, Second Edition 2008, May 20-23, 2008, Bran, Romania; J. of Optoelectron. & Adv. Mat. (JOAM) - Symposia, Vol. 1, No. 4, 681-684 (2009).*
4. E. Cotoi, A. M. Voiculescu, S. Georgescu, O. Toma, T. Rosu, L. Bran, E. Borca, S. Hodoroagea, "Synthesis and spectroscopic characterization of upconversion nanophosphor NaYF_4 doped with erbium and codoped with ytterbium," *Proceedings of International Conference "MODERN LASER APPLICATIONS", INDLAS, Second Edition 2008, May 20-23, 2008, Bran, Romania; J. of Optoelectron. & Adv. Mat. (JOAM) - Symposia, Vol. 1, No. 4, 689-692 (2009).*

3. S. Georgescu, O. Toma, A. Achim, A.M. Chinie, L. Gheorghe, A. Stefan, "Optical studies of the partially disordered crystals langasite ($\text{La}_3\text{Ga}_5\text{SiO}_{14}$) and langatate ($\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$) doped with Eu^{3+} ," Proc. SPIE Vol. **6785**, [6785-08] (2007), ROMOPTO 2006: Eighth Conference on Optics (V. I. Vlad Editor), Sibiu, Romania, 28-31 August 2006.
2. S. Georgescu, S. Constantinescu, A.M. Chinie, A. S. Stefan, O. Toma, I. Bibicu, "Optical and Mössbauer studies on YAG:Eu nanocrystals synthesized by a sol-gel method," Proc. SPIE Vol. **6785**, [6785-09] (2007), ROMOPTO 2006: Eighth Conference on Optics (V. I. Vlad Editor), Sibiu, Romania, 28-31 August 2006.
1. A.M. Chinie, S. Georgescu, C. Stoicescu, C., "Synthesis and characterization of Eu^{3+} - doped orthosilicates (Y_2SiO_5) nanocrystalline powders," Proc. SPIE Vol. **6606** [L6060] (2007), International Conference Advanced Laser Technologies (Editors: D. C. Dumitras, M. Dinescu, V. I. Konov), Brasov, Romania, 8-12 September 2006.

3. COMMUNICATIONS AT INTERNATIONAL CONFERENCES

(Technical Digests, manuscripts up to 3 pages)

44. A. M. Voiculescu, S. Hau, G. Stanciu, C. Gheorghe, "Synthesis and characterization of a new red phosphor SrLaGaO_4 doped with Eu^{3+} ," The 21th International Balkan Workshop on Applied Physics and Materials Science, 11-14 July, 2023, Constanta, Romania; paper S1 O17 (Book of abstracts, ISSN 2501-9058, page 30; oral presentation).
43. A. M. Voiculescu, S. Hau, G. Stanciu, R. D. Avram, C. Gheorghe, "Luminescence properties and optical thermometry of Er^{3+} - Yb^{3+} co-doped LaAlO_3 phosphors," International Conference on Laser, Plasma and Radiation - Science and Technology, June 7-10, 2022 Bucharest, Romania; poster presentation P2-02.
42. A. M. Voiculescu, S. Hau, G. Stanciu, C. Gheorghe, "Synthesis by solid state reaction and luminescence properties of LaAlO_3 perovskite phosphor doped with Rare Earths", TIM 20-21 Physics Conference, 11-13 November 2021, Timișoara, Romania; poster presentation CMP - P10.
41. C. Tihon, G. Stanciu, G. Ruiu, and A. M. Voiculescu, "Spectroscopic characterization of LaGaO_3 doped with Er^{3+} synthesized by solid state reaction," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P10 (poster presentation).
40. C. Matei, S. Georgescu, A. M. Voiculescu, O. Toma, "Spectroscopic characterization of $\text{LaGaO}_3:\text{Er}$ synthesized by solid state reaction," The 16th International Balkan Workshop on Applied Physics, 7-9 July, 2016, Constanta, Romania; Book of Abstracts, p. 70 (S1 P66, poster presentation).
39. M. Voiculescu, C. Matei, C. Stanciu, S. Georgescu, "Synthesis and characterization of SrY_2O_4 samples doped with rare earth ions," The 16th International Balkan Workshop on Applied Physics, 7-9 July, 2016, Constanta, Romania; Book of Abstracts, pp. 29-30 (S1 P4, poster presentation).
38. C. Matei, S. Georgescu, C. Vasilescu, G. Stanciu, A.-M. Voiculescu and A. Stefan, "Synthesis and characterization of Eu^{3+} doped SrY_2O_4 phosphor," TIM 14 Physics Conference - Physics without frontiers, 20-22 November 2014, Timisoara, Romania; presentation CM-P17 (poster presentation).
37. A. Stefan, S. Georgescu, O. Toma, A.M. Voiculescu, and C. Matei, "Synthesis by solid state reaction and luminescence properties of calcium scandate (CaSc_2O_4) doped with Ho^{3+} and Yb^{3+} ," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation P.24 (poster presentation).
36. A. M. Voiculescu, S. Georgescu, C. Matei, A. Stefan, and O. Toma, "Synthesis and Characterization of $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ Doped with Holmium and Ytterbium," The 14th International Balkan Workshop on Applied Physics, July 2-4, 2014, Constanta, Romania, presentation S2-P20, Book of Abstracts p. 127 (poster presentation).
35. C. Matei, S. Georgescu, A. M. Voiculescu, A. Stefan, and O. Toma, "Luminescence Properties in Langatate Ceramics Doped with Tm^{3+} and Yb^{3+} ," The 14th International Balkan Workshop on Applied Physics, July 2-4, 2014, Constanta, Romania, presentation S2-OP2, Book of Abstracts p. 111 (oral presentation).

34. C. Matei, S. Georgescu, A. M. Voiculescu, and A. Stefan, "Blue upconversion luminescence in Langanite and Langatate doped with Tm and Yb," The 13th International Balkan Workshop on Applied Physics, 4-6 July 2013, Constanta, Romania, poster presentation S1-P01, Book of Abstracts, p. 47.
33. A.M. Voiculescu, S. Georgescu, C. Matei, A. Stefan, and S. Nastase, "Upconversion processes in Langasite nanopowders doped with Thulium and Ytterbium," The 13th International Balkan Workshop on Applied Physics, 4-6 July 2013, Constanta, Romania, poster presentation S1-P02, Book of Abstracts, pages 47-48.
32. A. M. Voiculescu, S. Georgescu, C. Matei, A. Stefan, O. Toma, F. Voicu, and R. Birjega, "Synthesis and characterization of $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ doped with Yb and Tm for upconversion luminescence", Materials, Methods & Technologies, 15th Int. Symposium, 10-14 June 2013, Sunny Beach, Bulgaria, poster presentation - P66.
31. C. Matei, S. Georgescu, A. M. Voiculescu, F. Voicu, and R. Birjega, "Upconversion luminescence of Tm, Yb - doped langanite ceramic synthesized by solid state reaction", Materials, Methods & Technologies, 15th International Symposium, 10-14 June 2013, Sunny Beach, Bulgaria, poster presentation - P67.
30. C. Matei, S. Georgescu, A. M. Voiculescu, A. Stefan, and R. Birjega, "Synthesis by solid state reaction and luminescence properties of langanite doped with Tm^{3+} and Yb^{3+} ," International Conference "MODERN LASER APPLICATIONS" Third Edition, INDLAS 2013, 20-24 May 2013 Bran, Romania, poster presentation - P2.
29. A. M. Voiculescu, S. Georgescu, C. Matei, A. Stefan, and R. Birjega, "Upconversion luminescence properties of $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ doped with Yb and Tm," International Conference "MODERN LASER APPLICATIONS" Third Edition, INDLAS 2013, 20-24 May 2013 Bran, Romania, poster presentation - P5.
28. A. M. Voiculescu, S. Georgescu, C. Matei, A. Stefan, O. Toma, and S. Nastase, "Synthesis and characterization of Europium-doped nano Langasite," 3rd International Conference on RARE EARTH MATERIALS (REMAT) Advances in Synthesis, Studies and Applications, 26-28 April 2013, Wroclaw, Poland (poster presentation).
27. C. Matei, S. Georgescu, A. M. Voiculescu, and S. Nastase, "Synthesis by Pechini method of Eu^{3+} : nanolangasite," Physics Conf. TIM-12, Timisoara, 27th-30th November 2012, Abstract Book, pg.14, poster presentation.
26. A. M. Voiculescu, S. Georgescu, C. Matei, and S. Nastase, "Upconversion luminescence of nanolangasite doped with Er^{3+} and Yb^{3+} ," Physics Conf. TIM-12, Timisoara, 27th-30th November 2012 (oral presentation-API, F205), Abstract Book, pg.14.
25. S. Georgescu, A.M. Voiculescu, C. Matei, A. Stefan, O. Toma " Upconversion luminescence in $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ codoped with Er^{3+} and Yb^{3+} ," International Conference on Optics "Micro- to Nano- Photonics III - ROMOPTO 2012", September 3-6, 2012, Bucharest, Romania, oral presentation I.I.6.
24. A.M. Voiculescu, S. Georgescu, L. Gheorghie, A. Achim, C. Matei, A. Stefan, "Infrared-excited red, green, violet and UV luminescence from langasite crystal doped with Erbium and Ytterbium," The 3rd International Conference on the Physics of Optical Materials and Devices, 3-6 September, 2012, Belgrade, Serbia; poster presentation P1.2-31, Book of Abstract ISBN: 978-86-7306-116-0, (pg. 145).
23. A.M. Voiculescu, S. Georgescu, S. Nastase, O. Toma, C. Matei, and A. Stefan, "Upconversion processes in langasite nanopowders doped with erbium and ytterbium," 8th International Conference on f-Elements", Udine, Italy, August 26-31, 2012, poster presentation OPT 32P.
22. C. Matei, S. Georgescu, D. Berger, S. Nastase, , A.M. Voiculescu, and A. Stefan, "Luminescence properties in ZrO_2 nanoparticles doped with Er and Yb," 8th International Conference on f-Elements, Udine, Italy, August 26-31, 2012, poster presentation OPT 31P.
21. A.M. Voiculescu, S. Georgescu, S. Nastase, C. Matei, and A. Stefan, "Synthesis and characterization of langasite nanopowders doped with erbium and ytterbium," the 8th General Conference of Balkan Physical Union, 5-7 July 2012, Constanta, Romania, presentation SP-P11; poster presentation.
20. A.M. Voiculescu, S. Georgescu, O. Toma, and S. Nastase, "Properties of luminescence for nanopowders compounds from the langasite family doped with erbium and ytterbium," International Conference on Nanoscience + Technology (ICNT+T 2012) - July 23-27, 2012, Paris, France, poster presentation PO3-21, Europhysics Conference Abstracts Volume 36D, ISBN No 2-914771-77-0, (pg. 97).

19. C.E. Matei, S. Georgescu, A.M. Voiculescu, O. Toma, and S. Nastase, "Luminescence properties of Eu-doped $\text{La}_2(\text{Ga}_{1-x}\text{Al}_x)\text{Nd}_{0.5}\text{O}_{14}$ nano-powders synthesized by a citrate sol-gel method," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation API-P12 (pg. 138).
18. A.M. Voiculescu, S. Georgescu, O. Toma, C. Matei, R. Birjega, and L. Petrescu, "Luminescence properties of $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ doped with erbium and ytterbium," Physics Conference TIM-11, 24-27 November 2011, Timisoara, Romania; Abstract Book, ISBN 978-973-125-354-1, presentation API-P26 (pg. 149).
17. A.M. Voiculescu, S. Georgescu, R. Birjega, O. Toma, C. Matei, L. Petrescu, I. Enculescu, E. Matei, "Infrared-excited bright green and red luminescence in $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$ doped with Erbium and Ytterbium," 12th International Balkan Workshop on Applied Physics (IBWAP), July 6-8, 2011, Constanta, Romania, presentation S1-P39; Book of Abstracts, ISBN 978-973-614-645-9, pages 67-68.
16. A. M. Voiculescu, S. Georgescu, C. Matei, O. Toma, S. Nastase, R. Birjega, "Upconversion luminescence of langanite powders doped with erbium and ytterbium", International Student Workshop on Laser Applications ISWLA 2011, 31 May 31 - 04 June, 2011, Bran, Romania.
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