

LIST OF PUBLICATIONS

1. PAPERS PUBLISHED IN ISI JOURNALS

28. 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).
27. N. A. Safronova, R. P. Yavetskiy, O. S. Kryzhanovska, M. V. Dobrotvorska, A. E. Balabanov, I. O. Vorona, A. V. Tolmachev, V. N. Baumer, I. Matolínov, D. Yu. Kosyanov, O. O. Shichalin, E. K. Papynov, **S. HAU**, C. Gheorghe, "A novel IR-transparent $\text{Ho}^{3+}:\text{Y}_2\text{O}_3$ -MgO nanocomposite ceramics for potential laser applications," *Ceram. Int.* **47**(1), 1399-1406 (2021).
26. G. Stanciu, F. Voicu, C. A. Brandus, C. E. Tihon, **S. HAU**, C. Gheorghe, G. Croitoru, L. Gheorghe, M. Dumitru, "Enhancement of the laser emission efficiency of $\text{Yb}:\text{Y}_2\text{O}_3$ ceramics via multi-step sintering method fabrication," *Opt. Mater.* **109**, 110411 (2020).
25. A. Broasca, M. Greculeasa, F. Voicu, **S. HAU**, G. Croitoru, C. Gheorghe, N. Pavel, L. Gheorghe, "Efficient near-infrared laser emission and nonlinear optical properties of a newly developed $\text{Yb}:\text{LYSB}$ laser crystal," *J. Alloys & Comp.* **844**, 156143 (2020).
24. M. Greculeasa, A. Broasca, F. Voicu, **S. HAU**, G. Croitoru, G. Stanciu, C. Gheorghe, N. Pavel, L. Gheorghe, "Bifunctional $\text{La}_x\text{Nd}_y\text{Gd}_z\text{Sc}_{4-x-y-z}(\text{BO}_3)_4$ crystal: Czochralski growth, linear and nonlinear optical properties, and near-infrared laser emission performances," *Opt. & Laser Technol.* **131**, 106433 (2020).
23. L. Gheorghe, A. Broasca, M. Greculeasa, F. Voicu, G. Stanciu, **S. HAU**, G. Croitoru, C. A. Brandus, C. Gheorghe, F. Khaled, P. Loiseau, G. Aka, "Czochralski-grown $\text{La}_x\text{Gd}_y\text{R}_z\text{Sc}_{4-x-y-z}(\text{BO}_3)_4$ (R = Yb, Nd) crystals - A review of recent developments," *Opt. Mat. X* **7**, 100052 (2020).
22. 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).
21. G. Stanciu, L. Gheorghe, F. Voicu, **S. HAU**, C. Gheorghe, G. Croitoru, M. Enculescu, and R. P. Yavetskiy, "Highly transparent $\text{Yb}:\text{Y}_2\text{O}_3$ ceramics obtained by solid-state reaction and combined sintering procedures," *Ceram. Int.* **45**(3), 3217-3222 (2019).
20. C. A. Brandus, **S. HAU**, A. Broasca, M. Greculeasa, F. M. Voicu, C. Gheorghe, L. Gheorghe, and T. Dascalu, "Efficient 1 μm Laser Emission of Czochralski-Grown $\text{Nd}:\text{LGSB}$ Single Crystal," *Materials* **12**(12), 2005 (2019).
19. **S. HAU**, C. Gheorghe, L. Gheorghe, F. Voicu, M. Greculeasa, G. Stanciu, A. Broasca, M. Enculescu, "Spectroscopic investigations of Pr^{3+} ions doped CNGG and CLNGG single crystals," *J. Alloy. Compd.* **799**, 288-301 (2019).
18. L. Gheorghe, M. Greculeasa, F. Voicu, C. Gheorghe, **S. HAU**, A. M. Vlaicu, K. N. Belikov, E. Yu. Bryleva, O. V. Gaiduk, "Crystal growth and structural characterization of Sm^{3+} , Pr^{3+} and Dy^{3+} -doped CNGG and CLNGG single crystals," *Opt. Mater.* **84**, 335-338 (2018).
17. I. O. Vorona, R. P. Yavetskiy, M. V. Dobrotvorskaya, A. G. Doroshenko, S. V. Parkhomenko, A. V. Tolmachev, D. Yu. Kosyanov, L. Gheorghe, C. Gheorghe, **S. HAU**, M. Enculescu, "1532 nm sensitized luminescence and up-conversion in $\text{Yb},\text{Er}:\text{YAG}$ transparent ceramics," *Opt. Mater.* **77**, 221-225 (2018).
16. C. Gheorghe, **S. HAU**, L. Gheorghe, F. Voicu, M. Greculeasa, M. Enculescu, K. N. Belikov, E. Yu. Bryleva, O. V. Gaiduk, "Yellow laser potential of cubic $\text{Ca}_3(\text{Nb},\text{Ga})_5\text{O}_{12}:\text{Dy}^{3+}$ and $\text{Ca}_3(\text{Li},\text{Nb},\text{Ga})_5\text{O}_{12}:\text{Dy}^{3+}$ single crystals," *J. Alloy. Compd.* **739**, 806-816 (2018).

15. I. O. Vorona, R. P. Yavetskiy, A. G. Doroshenko, S. V. Parkhomenko, A. V. Tolmachev, V. N. Baumer, D. Yu Kosyanov, V. I. Vovna, V. G. Kuryavyi, M. Greculeasa, L. Gheorghe, **S. Hau**, C. Gheorghe, G. Croitoru, "Structural-phase state and lasing of 5-15 at.% Yb³⁺:Y₃Al₅O₁₂ optical ceramics," J. Eur. Cer. Soc. **37**(13), 4115-4122 (2017).
14. C. Gheorghe, **S. Hau**, L. Gheorghe, F. Voicu, M. Greculeasa, A. Achim, M. Enculescu, "Optical properties of Sm³⁺ doped Ca₃(Nb,Ga)₅O₁₂ and Ca₃(Li,Nb,Ga)₅O₁₂ single crystals," J. Lumin. **186**, 175-182 (2017).
13. V. Lupei, A. Lupei, **S. Hau**, C. Gheorghe, A. Ikesue, "Structural and electron-phonon interaction effects in optical spectra of Pr³⁺ and Sm³⁺ in YAG," J. Alloys & Comp. **706**, 176-185 (2017).
12. A. Lupei, V. Lupei, **S. Hau**, "Vibronics in optical spectra of Yb³⁺ and Ce³⁺ in YAG and Y₂O₃ ceramics," Opt. Mat. **63**, 143-152 (2017).
11. C. Gheorghe, A. Lupei, **S. Hau**, L. Gheorghe, A. M. Vlaicu, "Compositional dependence of optical properties of Sm³⁺-doped Y₃Sc_xAl_{5-x}O₁₂ polycrystalline ceramics," J. Alloy. Compd. **683**, 547-553 (2016).
10. F. Khaled, P. Loiseau, F. Voicu, A. Achim, **S. Hau**, C. Gheorghe, G. Croitoru, N. Pavel, L. Gheorghe, G. Aka, "Spectroscopic properties and laser performances of Yb:LGSB nonlinear optical crystal," J. Alloys & Comp. **688** (Part A), 510-517 (2016).
9. A. Lupei, V. Lupei, **S. Hau**, C. Gheorghe, F. Voicu, "Structure and temperature effects on Nd³⁺ spectra in polycrystalline mixed scandium aluminum garnets Y₃Sc_xAl_{5-x}O₁₂," Opt. Mat. **47**, 465-472 (2015).
8. C. Gheorghe, L. Gheorghe, A. Achim, **S. Hau**, R. D. Avram, G. Stanciu, "Optical properties of Sm³⁺ doped strontium hexa-aluminate single crystals," J. Alloys & Comp. **622**, 296-302 (2015).
7. A. Lupei, V. Lupei, C. Gheorghe, **S. Hau**, and A. Ikesue, "Multicenters in Ce³⁺ visible emission of YAG ceramics," Opt. Mat. **37**, 727-733 (2014).
6. 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).
5. A. Lupei, V. Lupei, A. Ikesue, C. Gheorghe, **S. Hau**, "Nd-Yb energy transfer in (Nd, Yb):Y₂O₃ transparent ceramics", Opt. Mat. **32** (10), 1333-1336 (2010).
4. V. Lupei, A. Lupei, A. Ikesue, C. Gheorghe, **S. Hau**, "Sensitization of Yb³⁺ emission in laser oxide ceramics," Rom. Reports in Physics **62** (3), 429-443 (2010).
3. C. Gheorghe, A. Lupei, V. Lupei, L. Gheorghe, **S. Hau**, "Judd-Ofelt analysis of Nd³⁺ in CLNGG single crystals," Journal of Optoelectronics and Advanced Materials **12** (4), 818-820 (2010).
2. A. Lupei, A. Achim, V. Lupei, C. Gheorghe, L. Gheorghe, **S. Hau**, "RE³⁺ doped SrWO₄ as laser and nonlinear active crystals", Rom. J. Phys. **54** (9-10), 919-928 (2009).
1. D. Apostol, P.C. Logofatu, **S. Florea**, V. Damian, I. Iordache, M. Bojan "Accurate calibration of grating pitch," JOAM, **10** (2), 352-355 (2008).

2. PROCEEDINGS OF INTERNATIONAL CONFERENCES

(Presentations at International Meetings published in extended version)

1. A. Lupei, A. Achim, V. Lupei, C. Gheorghe, L. Gheorghe, **S. Florea**, "RE³⁺ doped SrWO₄ as laser and nonlinear active crystals," 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, 666-669 (2009).

3. COMMUNICATIONS AT INTERNATIONAL CONFERENCES

(Technical Digests, manuscripts up to 3 pages)

38. A. M. Voiculescu, **S. Hau**, G. Stanciu, C. Gheorghe, "Synthesis by solid state reaction and luminescence properties of LaAlO₃ perovskite phosphor doped with Rare Earths", TIM 20-21 Physics Conference, 11-13 November 2021, Timișoara, Romania; poster presentation CMP - P10.
37. **S. Hau**, C. Gheorghe, L. Gheorghe, G. Stanciu, "Optical properties of Pr³⁺-doped Ca₃(Ta,Ga)₅O₁₂ ceramic phosphors," TIM 20-21 Physics Conference, 11 - 13 November 2021, Timisoara, Romania; poster presentation CMP-P3.
36. A. Broasca, M. Greculeasa, F. Voicu, G. Stanciu, **S. Hau**, C. Gheorghe, G. Croitoru, N. Pavel, L. Gheorghe, "LYSB and Yb-Doped LYSB crystals: Czochralski growth, optical characterization and laser emission performances," OSA Laser Congress Virtual Event, 03 Oct. - 07 Oct. 2021; oral presentation ATh1A.6.
35. M. Greculeasa, A. Broasca, F. Voicu, **S. Hau**, G. Croitoru, C. Brandus, G. Stanciu, C. Gheorghe, L. Gheorghe, "RE-doped LGSB (RE = Nd, Yb) as new high performance near-infrared laser crystals," 2021 Conference on Lasers and Electro-Optics/Europe - European Quantum Electronics Virtual Conferences (CLEO@/Europe-EQEC 2021), 21-25 June 2021, presentation CA-P.7 (poster presentation).
34. A. Broasca, M. Greculeasa, F. Voicu, **S. Hau**, G. Croitoru, C. Gheorghe, N. Pavel, L. Gheorghe, "New Yb:LYSB bifunctional crystal for efficient near-infrared laser emission and self-frequency doubling conversion," 9th EPS-QEOD Europhoton Virtual Conference, 30 August - 4 September 2020; poster presentation Tu-P1.12.
33. G. Stanciu, F. Voicu, C. A. Brandus, C. Tihon, **S. Hau**, C. Gheorghe, G. Croitoru, L. Gheorghe, "Enhancement of the laser emission efficiency of Yb:Y₂O₃ ceramics via multi-step sintering method fabrication," 9th EPS-QEOD Europhoton Virtual Conference, 30 August - 4 September 2020; poster presentation Tu-P1.13.
32. F. M. Voicu, L. Gheorghe, M. Greculeasa, A. Broasca, C. Gheorghe, **S. Hau**, and G. Croitoru, "Nd³⁺ doped La_xGd_ySc_{4-x-y}(BO₃)₄ as bifunctional laser and nonlinear crystal," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P06 (poster presentation).
31. **S. Hau**, C. Gheorghe, L. Gheorghe, F. Voicu, M. Greculeasa, G. Stanciu, and M. Enculescu, "Luminescence properties of Pr³⁺ doped Ca₃(Li,Nb,Ga)₅O₁₂ single crystal," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P09 (poster presentation).
30. M. Greculeasa, L. Gheorghe, A. Broasca, F. Voicu, C. Gheorghe, **S. Hau**, and G. Stanciu, "Czochralski growth and characterization of Yb-doped LYSB single crystals," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P11 (poster presentation).
29. C. Gheorghe, **S. Hau**, L. Gheorghe, and G. Stanciu, "Cooperative energy transfer in Ca₃(Nb,Ga)₅O₁₂ ceramics doped with ytterbium and terbium," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P12 (poster presentation).
28. L. Gheorghe, M. Greculeasa, F. Voicu, F. Khaled, P. Loseau, G. Aka, **S. Hau**, C. Gheorghe, G. Croitoru, N. Pavel, "Czochralski growth and optical properties of pure, Yb- and Nd-doped La_xGd_ySc_{4-x-y}(BO₃)₄ nonlinear optical and laser crystals," 8th EPS-QEOD EUROPHOTON CONFERENCE, Solid State, Fibre, and Waveguide Coherent Light Sources, 02-07 September, 2018, Barcelona, Spain; Europhysics Conference Abstracts Vol. **42C**, ISBN 979-10-96389-10-0; presentation ThP.34 (poster presentation).
27. M. Greculeasa, L. Gheorghe, F. Voicu, C. Gheorghe, **S. Hau**, A. M. Vlaicu, "Growth and characterization of Sm- and Dy-doped CNGG and CLNGG single crystals for laser emission in the yellow - orange spectral range," 8th EPS-QEOD EUROPHOTON CONFERENCE, Solid State, Fibre, and Waveguide Coherent Light Sources, 02-07 Sept., 2018, Barcelona, Spain; Europhysics Conf. Abstracts Vol. **42C**, ISBN 979-10-96389-10-0; presentation ThP.41 (poster presentation).
26. L. Gheorghe, M. Greculeasa, A. Broasca, F. Voicu, G. Stanciu, **S. Hau**, C. Gheorghe, G. Croitoru, and N. Pavel, "Pure, Yb- and Nd-doped La_xGd_ySc_{4-x-y}(BO₃)₄ Czochralski-grown nonlinear optical and laser crystals," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-I02 (invited presentation).
25. **S. Hau**, C. Gheorghe, L. Gheorghe, F. Voicu, M. Greculeasa, G. Stanciu, and M. Enculescu, "Luminescence properties of Pr³⁺ doped Ca₃(Li,Nb,Ga)₅O₁₂ single crystal," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P09 (poster presentation).

24. M. Greculeasa, L. Gheorghe, A. Broasca, F. Voicu, C. Gheorghe, **S. Hau**, and G. Stanciu, "Czochralski growth and characterization of Yb-doped LYSB single crystals," TIM 19 Physics Conference, 29 - 31 May 2019, Timisoara, Romania, presentation CM-P11 (poster presentation).
23. L. Gheorghe, M. Greculeasa, F. Voicu, F. Khaled, P. Loiseau, G. Aka, **S. Hau**, C. Gheorghe, G. Croitoru, N. Pavel, "Pure and Nd-doped Czochralski-grown $\text{La}_x\text{Gd}_y\text{Sc}_{4-x-y}(\text{BO}_3)_4$ nonlinear optical single crystals," ECCG6 Sixth European Conference on Crystal Growth, Varna, Bulgaria, 16-20 September 2018; poster presentation S02-P15.
22. M. Greculeasa, L. Gheorghe, F. Voicu, C. Gheorghe, **S. Hau**, A. M. Vlaicu, "Crystal growth and structural investigation of Sm^{3+} , Dy^{3+} -doped CNGG and CLNGG crystals for lasers in the visible range," ECCG6 Sixth European Conference on Crystal Growth, Varna, Bulgaria, 16-20 September 2018; poster presentation S02-P35.
21. G. Stanciu, L. Gheorghe, F. Voicu, **S. Hau**, C. Gheorghe, T. Dascalu, M. Enculescu, "Highly transparent $\text{Yb}:\text{Y}_2\text{O}_3$ ceramics obtained by solid-state reaction and combined sintering procedures," ECCG6 Sixth European Conference on Crystal Growth, Varna, Bulgaria, 16-20 September 2018; poster presentation S09-P11.
20. F. Voicu, L. Gheorghe, A. Achim, C. Gheorghe, **S. Hau**, P. Loiseau, F. Khaled, G. Aka, G. Croitoru, "Optical and laser performances of Yb:LGSB nonlinear optical crystal," ROCAM 2017, 11-14 July 2017, Bucharest, Romania; poster presentation.
19. I. O. Vorona, R.P. Yavetskiy, M.V. Dobrotvorskaya, A.G. Doroshenko, S.V. Parkhomenko, A.V. Tolmachev, L. Gheorghe, C. Gheorghe, **S. Hau**, "Solid-state sintering and luminescent properties of Yb^{3+} , Er^{3+} :YAG transparent ceramics," International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE-2017, May 29 - June 2, 2017, Lviv, Ukraine, Poster Mo-P59.
18. I. O. Vorona, R. P. Yavetskiy, A. Doroshenko, S. Parkhomenko, A. Tolmachev, L. Gheorghe, M. Greculeasa, C. Gheorghe, **S. Hau**, C. Brandus, G. Croitoru, " Nd^{3+} :YAG Ceramic Materials with Efficient Laser Emission under Diode-Laser Pumping," The 5th Laser Ignition Conference, 20-23 June 2017, Bucharest, Romania, presentation LWA5.4 (poster presentation).
17. L. Gheorghe, F. Voicu, M. Greculeasa, A. Achim, F. Khaled, P. Loiseau, G. Aka, **S. Hau**, C. Gheorghe, G. Croitoru, "Pure and Yb-doped $\text{La}_x\text{Gd}_y\text{Sc}_{4-x-y}(\text{BO}_3)_4$ incongruent Borate type crystal: Czochralski growth, NLO properties and laser performances," TIM 17 Physics Conference, 25 - 27 May 2017, Timisoara, Romania; invited talk CM-I01.
16. F. Voicu, L. Gheorghe, M. Greculeasa, A. Achim, C. Gheorghe, **S. Hau**, "Growth and optical properties of Sm^{3+} doped $\text{Ca}_3(\text{Nb}, \text{Ga})_5\text{O}_{12}$ and $\text{Ca}_3(\text{Li}, \text{Nb}, \text{Ga})_5\text{O}_{12}$ single crystals," TIM 17 Physics Conference, 25 - 27 May 2017, Timisoara, Romania; P08 - poster presentation.
15. **S. Hau**, C. Gheorghe, L. Gheorghe, I. Porosnicu, A. Crisan, "Luminescence properties and energy transfer of Sm^{3+} and Dy^{3+} co-doped $\text{Ca}_3(\text{Li}, \text{Nb}, \text{Ga})_5\text{O}_{12}:\text{Ce}^{3+}$ novel phosphors under UV excitation," TIM 17 Physics Conference, 25 - 27 May 2017, Timisoara, Romania; P02 - poster presentation.
14. V. Lupei, A. Lupei, C. Gheorghe, **S. Hau**, A. Ikesue, "Dynamics of Sensitization in (Cr,Nd,Yb):YAG Ceramics," 19th Conference of Dynamical Processes in excited states of Solids, 17-22 Iulie 2016, Paris, Franta. (poster presentation)
13. A. Lupei, V. Lupei, **S. Hau**, C. Gheorghe, A. Ikesue, "Electron-phonon interaction of Pr^{3+} and Sm^{3+} in YAG," 19th Conference of Dynamical Processes in excited states of Solids, 17-22 Iulie 2016, Paris, Franta. (poster presentation)
12. **S. Hau**, C. Gheorghe, L. Gheorghe, A. Achim, F. Voicu, M. Greculeasa, M. Enculescu, O. Toma, "Crystal growth and spectroscopic investigations of Sm^{3+} doped CNGG and CLNGG single crystals," The 16th International Balkan Workshop on Applied Physics, 7-9 July, 2016, Constanta, Romania; Book of Abstracts, p. 65 (S1 P58, poster presentation).
11. C. Gheorghe, A. Lupei, **S. Hau**, F. Voicu, A. M. Vlaicu, M. Enculescu, and L. Gheorghe, "Compositional dependence of optical properties of Sm^{3+} -doped $\text{Y}_3\text{Sc}_x\text{Al}_{5-x}\text{O}_{12}$ polycrystalline ceramics," 4th International conference on RARE EARTH MATERIALS, REMAT 2015, Wroclaw, Poland, 26-28 October 2015 (poster presentation).

10. **S. Hau**, C. Gheorghe, A. Lupei, and L. Gheorghe, "Optical properties of Sm³⁺: CLNGG polycrystalline ceramics," 4th International conference on RARE EARTH MATERIALS, REMAT 2015, Wroclaw, Poland, 26-28 October 2015 (poster presentation).
9. V. Lupei, A. Lupei, **S. Hau**, C. Gheorghe, F. Voicu, "Compositional disorder effects in the spectra of Nd³⁺ in Y₃Sc_xAl_{5-x}O₁₂ ceramics," 9th International Conference on F-Elements, 06 - 09 September 2015, UK, Oxford; poster presentation.
8. F. Voicu, C. Gheorghe, **S. Hau**, L. Esposito, J. Hostasa, "Sm³⁺:YSAG transparent ceramic," 10th Laser Ceramics Symposium (LCS), 1-5 December, 2014, Wroclaw, Poland; presentation P-18T (poster presentation).
7. F. Voicu, C. Gheorghe, **S. Hau**, L. Esposito, and J. Hostasa, "Preliminary results on Sm³⁺:YSAG transparent ceramic," 5th International Student Conference on Photonics, Orastie, Romania, 23-26 September 2014; presentation P.09 (poster presentation).
6. A. Lupei, V. Lupei, C. Gheorghe, **S. Hau**, and A. Ikesue, "Perturbed centers in visible emission of Ce³⁺:YAG ceramic," 17th International Conference on Luminescence and Optical Spectroscopy of Condensed Matter (ICL2014), 13-18 July, 2014, Wroclaw, Poland; presentation P 25 (poster).
5. A. Lupei, V. Lupei, A. Ikesue, C. Gheorghe, **S. Hau**, "Spectroscopic investigations of (Nd, Yb) in Y₂O₃ transparent ceramics," Micro- to Nano-Photonics II - ROMOPTO 2009 Conference, August 31 - Sept. 03, 2009, Sibiu, Romania, presentation I.P.1.
4. A. Lupei, V. Lupei, A. Ikesue, C. Gheorghe, **S. Hau**, "Nd→Yb energy transfer in (Nd,Yb):Y₂O₃ transparent ceramics," 5th Intern. Symposium on Laser, Scintillator and Non Linear Optical Materials (ISLNOM-2009), 3-5 September 2009, Pisa, Italy (invited lecture); Book of Abstracts, ISBN 978-88-8492-638-8, p. 53 (2009).
3. C. Gheorghe, A. Lupei, V. Lupei, L. Gheorghe, **S. Hau**, "Intensity of the f-f transitions of Nd³⁺ in CLNGG single crystals", 5th International Symposium on Laser, Scintillator and Non Linear Optical Materials (ISLNOM-2009), 3-5 September 2009, Pisa, Italy, presentation PA12; Book of Abstracts, ISBN 978-88-8492-638-8, p. 24 (2009).
2. V. Lupei, A. Lupei, A. Ikesue, **S. Florea**, "Spectroscopic properties of Chromium doped Sc₂O₃ ceramics," CLEO-Europe 2009 Conf., June 14-19, 2009, Munich, Germany, paper CA.P.17.
1. C. Gheorghe, A. Lupei, V. Lupei, L. Gheorghe, **S. Hau**, "Judd-ofelt analysis of Nd³⁺ in CLNGG single crystals", 10th International Balkan Workshop on Applied Physics (IBWAP), July 6-8, 2009, Constanta, Romania, paper S1-P64; Book of Abstracts, ISBN 978-973-614-507-0, p. 87 (2009).