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### Academic and professional appointments with educational history (in reverse chronological order):

- ✓ vice-dean; Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Torun, Poland; Sep. 1, 2016 – present
- ✓ associate professor; Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Torun, Poland; Jul. 1, 2014 – present
- ✓ habilitation thesis: “Physical Basics of the Scintillation Process in Selected Rare-Earth Activated Oxide and Halide Crystals”; finished: Nov. 9, 2011
- ✓ research adjunct; Faculty of Physics, Astronomy and Informatics, Nicolaus Copernicus University, Torun, Poland; Oct. 1, 2008 – Jun. 30, 2014
- ✓ post-doc researcher in frames of the projects “Gamma-Ray Scintillator Development” and “Development of New Scintillator Materials”; Reactor Institute Delft, Delft University of Technology, Delft, The Netherlands; May. 1, 2006 – Sep. 30, 2008
- ✓ research adjunct; Faculty of Physics and Astronomy, Nicolaus Copernicus University, Torun, Poland; Jul. 1, 2002 – Apr. 30, 2006
- ✓ research assistant; Faculty of Physics and Astronomy, Nicolaus Copernicus University; Oct. 1, 2000 – Jun. 30, 2002
- ✓ PhD student; Faculty of Physics and Astronomy, Nicolaus Copernicus University, Toruń, Poland; solid state physics, 1996-2000; PhD thesis: “Radiative Recombination Processes in BaF<sub>2</sub> Crystals Activated with Selected Rare Earth Ions”; supervisor: prof. A.J. Wojtowitz; finished with distinction: Dec. 12, 2001
- ✓ M.Sci. student; Faculty of Physics and Astronomy, Nicolaus Copernicus University, Toruń, Poland; optoelectronics and laser physics, 1991-1996; annual stipend of the Minister of National Education in 1995/1996; M.Sci. dissertation: “Thermoluminescence and spectroscopy of LuAlO<sub>3</sub> and LuAlO<sub>3</sub>:Ce monocrystals”; supervisor: prof. A.J. Wojtowitz; finished with distinction: Aug. 5, 1996

### Participation in research projects:

- ✓ “β-Ga<sub>2</sub>O<sub>3</sub>:Ce Semiconductor as a New Scintillator - Investigation of Spectroscopic and Scintillation Properties (GO SCINT)”, the Polish National Science Centre (NCN) grant no. 2016/23/G/ST5/04048 (2017-2020), project leader, 682252 PLN
- ✓ “Preparation and Investigation of Energy Transfer in the new GGAG Materials in the Form of Single Crystal and Transparent Nanoceramic, Potentially Applicable for LED Light Sources”, the NCN grant no. 2014/15/B/ST5/05062 of the Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Wrocław (2015-2018), investigator
- ✓ “Fast Advanced Scintillator Timing (FAST)”, the European Cooperation in Science and Technology (COST) action no. TD1401 (2014-2018), Polish representative in the Management Committee
- ✓ “Double Beam Probing of the Properties of Inorganic Scintillators Using X-Ray Radiation and Infrared Laser Light”, the NCN grant no. 2013/09/N/ST3/01935 (2014-2016), scientific supervisor
- ✓ “Study of the Influence of Electron Trap Distribution on the Efficiency of Host-to-Ion Energy Transfer in (Lu,Y)AG:Pr(,Mo) Scintillator Crystals”, the NCN grant no. 2012/05/B/ST5/00324 (2013-2016), project leader, 512520 PLN
- ✓ “Optimization of Scintillation Parameters of LuAG:Pr Crystals”, the internal Nicolaus Copernicus University (NCU) grant no. 385-F (2010), project leader, 7000 PLN

- ✓ “Measurements of Intrinsic Energy Resolution of Scintillator Materials”, the internal NCU grant no. 434-F (2005), project leader, 10000 PLN
- ✓ “Study of Inorganic Scintillating Materials for Use in Medical Imaging Applications”, the joint projects in frames of Bilateral Scientific and Technological Cooperation between Poland and Flanders (2004-2006), investigator
- ✓ “Study of the Growth Conditions and Scintillation Properties of Activated LuAP Crystals”, the Polish Committee for Science Research (KBN) project no. 4T08D 044 24 (2003-2006), investigator
- ✓ “Accurate Measurements of Light Yields of Fast and Efficient Scintillators”, the internal NCU grant no. 402-F (2003), project leader, 8000 PLN
- ✓ “Studies of Radioluminescence as a Function of Temperature”, the internal NCU grant no. 409-F (2001), project leader, 5000 PLN
- ✓ “Study and Applications of Luminescent Materials for Detection of Ionizing Radiation and Emissive Displays”, the joint projects in frames of Bilateral Scientific and Technological Cooperation between Poland and Flanders (2000-2002), investigator
- ✓ “Growth and Optimization of Scintillation Parameters of Activated YAlO<sub>3</sub> Crystals”, the KBN grant no. 8T11B 029 17 (1999-2001), investigator
- ✓ “Radio- and Photoluminescence of Wide Bandgap Materials Activated with Rare Earth Ions”, the KBN grant no. 2P03B 049 14 (1997-2000), investigator

Positions outside of Nicolaus Copernicus University:

- ✓ post-doc position at Reactor Institute Delft (see above)
- ✓ measurements of room and liquid helium temperature photoluminescence emission and excitation spectra and time profiles of various RE-activated oxide and fluoride scintillators at synchrotron radiation excitation; Hasylab (DESY, Hamburg, Germany); 7 single-week sessions (1997-2003)
- ✓ measurements of energy spectra of oxide and fluoride scintillators; Soltan Institute for Nuclear Studies (Świerk-Otwock, Warsaw, Poland); a week in Feb 1997
- ✓ measurements of thermoluminescence, radioluminescence and photoluminescence of LuAlO<sub>3</sub>:Ce; Reactor Institute Delft (Delft University of Technology, Delft, The Netherlands); two weeks in Dec 1995

Awards received:

- ✓ Nicolaus Copernicus University Rector's group award for scientific achievements in 2016
- ✓ annual stipends of the Foundation for Polish Science in 2001 and 2002
- ✓ distinction for the PhD thesis in 2001
- ✓ Nicolaus Copernicus University Rector's group award for scientific activity in 2000/2001
- ✓ title of the best graduate of Faculty of Physics and Astronomy, Nicolaus Copernicus University, in 1996

Reviewed papers in JCR journals:

- [1] M.E. Witkowski, D. Zhou, **W. Drozdowski**, J. Xu, “Scintillation Properties and Effect of Thermal Annealing in Lu<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>:Ce and Lu<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>:Pr Ceramics”, *Optical Materials*, in print (doi:10.1016/j.optmat.2018.08.06)
- [2] Z. Kowalski, S.M. Kaczmarek, **W. Drozdowski**, M.E. Witkowski, M. Makowski, K. Brylew, M. Berkowski, M. Głowacki, “Radioluminescence, Low Temperature Thermoluminescence and Scintillation Properties of Ca and Eu Doped ZnWO<sub>4</sub> Single Crystals”, *Radiation Measurements* **118** (2018), 1-7
- [3] A. Xie, T.H. Nguyen, C. Hettiarachchi, M.E. Witkowski, **W. Drozdowski**, M.D. Birowosuto, H. Wang, C.H. Dang, “Thermal Quenching and Dose Studies of X-Ray Luminescence in Single Crystals of Halide Perovskites”, *Journal of Physical Chemistry* **C122** (2018), 16265-16273
- [4] **W. Drozdowski**, M.E. Witkowski, P. Solarz, P. Głuchowski, M. Głowacki, K. Brylew, “Scintillation Properties of Gd<sub>3</sub>Al<sub>2</sub>Ga<sub>3</sub>O<sub>12</sub>:Ce (GAGG:Ce): a Comparison Between Monocrystalline and Nanoceramic Samples”, *Optical Materials* **79** (2018), 227-231
- [5] M. Makowski, M.E. Witkowski, **W. Drozdowski**, A.J. Wojtowicz, K. Wiśniewski, L.A. Boatner, “Luminescence and Scintillation Properties of XPO<sub>4</sub>:Nd<sup>3+</sup> (X = Y, Lu, Sc, La) Crystals”, *Optical Materials* **79** (2018), 273-278
- [6] E. Talik, J. Kusz, A. Guzik, M. Szubka, K. Balin, J. Kisielewski, W. Wierzchowski, A. Malinowska, A. Strojny-Nedza, A. Pajczkowska, **W. Drozdowski**, “Properties of Lu<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>, Lu<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>:Pr, Lu<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>:Pr,Mo, and (Lu<sub>1-x</sub>Y<sub>x</sub>)<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>:Pr Scintillator Crystals”, *Materials Research Express* **4** (2017), 056201/1-13

- [7] F. Chiossi, K. Brylew, A.F. Borghesani, C. Braggio, G. Carugno, **W. Drozdowski**, M. Guarise, "A New Technique for Infrared Scintillation Measurements", *Nuclear Instruments and Methods in Physics Research* **A855** (2017), 13-15
- [8] K.E. Kuper, V.P. Oleynikov, V.V. Porosev, G.A. Savinov, **W. Drozdowski**, "On Reachable Energy Resolution of SiPM Based Scintillation Counters for X-Ray Detection", *Journal of Instrumentation* **12** (2017), P01001/1-12
- [9] M.D. Birowosuto, D. Cortecchia, **W. Drozdowski**, K. Brylew, W. Lachmanski, A. Bruno, C. Soci, "X-Ray Scintillation in Lead Halide Perovskite Crystals", *Scientific Reports* **6** (2016), 37254/1-10
- [10] **W. Drozdowski**, M.E. Witkowski, K. Brylew, W. Łachmański, M. Makowski, A.J. Wojtowicz, S. Turczyński, D.A. Pawlak, M. Malinowski, "A Preliminary Assessment of Lu<sub>2</sub>Y<sub>2</sub>Al<sub>2</sub>O<sub>9</sub>:Pr (LuYAM:Pr) as a Potential Scintillator", *Radiation Measurements* **93** (2016), 41-45
- [11] **W. Drozdowski**, K. Brylew, M.E. Witkowski, A. Drewniak, Z. Masewicz, A.J. Wojtowicz, J. Kisielewski, M. Świrkowicz, "Effect of Lu-to-Y Ratio and Mo Coactivation on Scintillation Properties of LuYAG:Pr and LuAG:Pr,Mo Crystals", *Optical Materials* **59** (2016), 107-114
- [12] Z. Kowalski, S.M. Kaczmarek, K. Brylew, **W. Drozdowski**, "Radioluminescence as a Function of Temperature and Low Temperature Thermoluminescence of BaY<sub>2</sub>F<sub>8</sub>:Ce and BaY<sub>2</sub>F<sub>8</sub>:Nd Crystals", *Optical Materials* **59** (2016), 145-149
- [13] I. Kantorski, J. Jurkowski, **W. Drozdowski**, "Observed Light Yield of Scintillation Pixels: Extending the Two-Ray Model", *Optical Materials* **59** (2016), 91-95
- [14] K. Fiaczyk, A.J. Wojtowicz, **W. Drozdowski**, K. Brylew, E. Zych, "Thermoluminescent Properties of HfO<sub>2</sub>:Ti after Exposure to X-Rays", *Radiation Measurements* **90** (2016), 140-144
- [15] **W. Drozdowski**, K. Brylew, M. Malinowski, S. Turczyński, "Scintillation Properties of  $\mu$ PD-Grown Y<sub>4</sub>Al<sub>2</sub>O<sub>9</sub>:Pr (YAM:Pr) Crystals", *Journal of Alloys and Compounds* **632** (2015), 816-821
- [16] **W. Drozdowski**, K. Brylew, A.J. Wojtowicz, J. Kisielewski, M. Świrkowicz, T. Łukasiewicz, J.T.M. de Haas, P. Dorenbos, "33000 Photons per MeV from Mixed (Lu<sub>0.75</sub>Y<sub>0.25</sub>)<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>:Pr Scintillator Crystals", *Optical Materials Express* **4** (2014), 1207-1212
- [17] **W. Drozdowski**, S.M. Kaczmarek, Z. Kowalski, K. Brylew, M.E. Witkowski, A.J. Wojtowicz, "Effect of Doping with Cobalt on Radioluminescence and Low Temperature Thermoluminescence of Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub> Crystals", *Radiation Measurements* **70** (2014), 29-33
- [18] K. Brylew, **W. Drozdowski**, A.J. Wojtowicz, K. Kamada, A. Yoshikawa, "Studies of Low Temperature Thermoluminescence of GAGG:Ce and LuAG:Pr Scintillator Crystals Using the  $T_{max}-T_{stop}$  Method", *Journal of Luminescence* **154** (2014), 452-457
- [19] **W. Drozdowski**, K. Brylew, S.M. Kaczmarek, D. Piwowarska, Y. Nakai, T. Tsuboi, W. Huang, "Studies on Shallow Traps in Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:Eu,Mn", *Radiation Measurements* **63** (2014), 26-31
- [20] **W. Drozdowski**, K. Brylew, M.E. Witkowski, A.J. Wojtowicz, P. Solarz, K. Kamada, A. Yoshikawa, "Studies of Light Yield as a Function of Temperature and Low Temperature Thermoluminescence of Gd<sub>3</sub>Al<sub>2</sub>Ga<sub>3</sub>O<sub>12</sub>:Ce Scintillator Crystals", *Optical Materials* **36** (2014), 1665-1669
- [21] **W. Drozdowski**, K. Brylew, M.E. Witkowski, A.J. Wojtowicz, K. Kamada, T. Yanagida, A. Yoshikawa, "Effect of Thermal Annealing on Light Yield, Low Temperature Thermoluminescence, and Time Profiles of LuAG:Pr Scintillator Crystals", *Radiation Measurements* **56** (2013), 80-83
- [22] K. Brylew, **W. Drozdowski**, M.E. Witkowski, K. Kamada, T. Yanagida, A. Yoshikawa, "Effect of Thermal Annealing in Air on Scintillation Properties of LuAG and LuAG:Pr", *Central European Journal of Physics* **11** (2013), 138-142
- [23] **W. Drozdowski**, K. Brylew, A. Chruścińska, K. Kamada, T. Yanagida, A. Yoshikawa, "Scintillation Yield Enhancement in LuAG:Pr Crystals Following Thermal Annealing", *Optical Materials* **34** (2012), 1975-1978
- [24] H.T. van Dam, S. Seifert, **W. Drozdowski**, P. Dorenbos, D.R. Schaart, "Optical Absorption Length, Scattering Length, and Refractive Index of LaBr<sub>3</sub>:Ce<sup>3+</sup>", *IEEE Transactions on Nuclear Science* **59** (2012), 656-664
- [25] A.J.J. Bos, R.M. van Duijvenvoorde, E. van der Kolk, **W. Drozdowski**, P. Dorenbos, "Thermoluminescence Excitation Spectroscopy: A Versatile Technique to Study Persistent Luminescence Phosphors", *Journal of Luminescence* **131** (2011), 1465-1471
- [26] **W. Drozdowski**, A.J. Wojtowicz, S.M. Kaczmarek, M. Berkowski, "Scintillation Yield of Bi<sub>4</sub>Ge<sub>3</sub>O<sub>12</sub> (BGO) Pixel Crystals", *Physica B: Condensed Matter* **405** (2010), 1647-1651
- [27] N.R.J. Poolton, A.J.J. Bos, J. Wallinga, J.T.M. de Haas, P. Dorenbos, L. de Vries, R.H. Kars, G.O. Jones, **W. Drozdowski**, "Non-Resonant X-Ray/Laser Interaction Spectroscopy as a Method for Assessing Charge Competition, Trapping and Luminescence Efficiency in Wide Band-Gap Materials", *Journal of Luminescence* **130** (2010), 1404-1414

- [28] **W. Drozdowski**, P. Dorenbos, R. Drozdowska, A.J.J. Bos, N.R.J. Poolton, M. Tonelli, M. Alshourbagy, "Effect of Electron Traps on Scintillation of Praseodymium Activated  $\text{Lu}_3\text{Al}_5\text{O}_{12}$ ", *IEEE Transactions on Nuclear Science* **56** (2009), 320-327
- [29] **W. Drozdowski**, P. Dorenbos, J.T.M. de Haas, R. Drozdowska, A. Owens, K. Kamada, K. Tsutsumi, Y. Usuki, T. Yanagida, A. Yoshikawa, "Scintillation Properties of Praseodymium Activated  $\text{Lu}_3\text{Al}_5\text{O}_{12}$  Single Crystals", *IEEE Transactions on Nuclear Science* **55** (2008), 2420-2424
- [30] **W. Drozdowski**, P. Dorenbos, A.J.J. Bos, G. Bizarri, A. Owens, F.G.A. Quarati, " $\text{CeBr}_3$  Scintillator Development for Possible Use in Space Missions", *IEEE Transactions on Nuclear Science* **55** (2008), 1391-1396
- [31] **W. Drozdowski**, P. Dorenbos, A.J.J. Bos, A. Owens, F.G.A. Quarati, "Gamma Ray Induced Radiation Damage in  $\varnothing 1 \text{ in} \times 1 \text{ in}$   $\text{LaBr}_3:5\%\text{Ce}$ ", *Radiation Measurements* **43** (2008), 497-501
- [32] **W. Drozdowski**, P. Dorenbos, A.J.J. Bos, S. Kraft, E. Maddox, E.J. Buis, A. Owens, F.G.A. Quarati, C. Dathy, V. Ouspenski, "Gamma Ray Induced Radiation Damage in  $\text{LaBr}_3:5\%\text{Ce}$  and  $\text{LaCl}_3:10\%\text{Ce}$  Scintillators", *IEEE Transactions on Nuclear Science* **54** (2007), 1387-1391
- [33] **W. Drozdowski**, P. Dorenbos, A.J.J. Bos, J.T.M. de Haas, S. Kraft, E. Maddox, A. Owens, F.G.A. Quarati, C. Dathy, V. Ouspenski, "Effect of Proton Dose, Crystal Size, and Cerium Concentration on Scintillation Yield and Energy Resolution of  $\text{LaBr}_3:\text{Ce}$ ", *IEEE Transactions on Nuclear Science* **54** (2007), 736-740
- [34] S. Kraft, E. Maddox, E.J. Buis, A. Owens, F.G.A. Quarati, P. Dorenbos, **W. Drozdowski**, A.J.J. Bos, J.T.M. de Haas, H. Brouwer, C. Dathy, V. Ouspenski, S. Brandenburg, R. Ostendorf, "Development and Characterization of Large La-Halide Gamma-Ray Scintillators for Future Planetary Missions", *IEEE Transactions on Nuclear Science* **54** (2007), 873-878
- [35] A. Owens, A.J.J. Bos, S. Brandenburg, P. Dorenbos, **W. Drozdowski**, R.W. Ostendorf, F. Quarati, A. Webb, E. Welter, "The Hard X-Ray Response of Ce-Doped Lanthanum Halide Scintillators", *Nuclear Instruments and Methods in Physics Research* **A574** (2007), 158-162
- [36] E.J. Buis, H. Beijers, S. Brandenburg, A.J.J. Bos, C. Dathy, P. Dorenbos, **W. Drozdowski**, S. Kraft, E. Maddox, R. Ostendorf, A. Owens, F. Quarati, "Measurement and Simulation of Proton Induced Activation of  $\text{LaBr}_3:\text{Ce}$ ", *Nuclear Instruments and Methods in Physics Research* **A578** (2007), 239-245
- [37] P. Solarz, **W. Drozdowski**, W. Ryba-Romanowski, "Luminescence of  $\text{K}_5\text{Li}_2\text{CeF}_{10}$  and  $\text{K}_5\text{Li}_2\text{LaF}_{10}:\text{Ce}^{3+}$ ", *Journal of Luminescence* **122-123** (2007), 44-46
- [38] **W. Drozdowski**, A.J. Wojtowicz, T. Łukasiewicz, J. Kisielewski, "Scintillation Properties of LuAP and LuYAP Crystals Activated with Cerium and Molybdenum", *Nuclear Instruments and Methods in Physics Research* **A562** (2006), 254-261
- [39] **W. Drozdowski**, A.J. Wojtowicz, D. Wiśniewski, T. Łukasiewicz, J. Kisielewski, "Scintillation Properties of Pr-Activated  $\text{LuAlO}_3$ ", *Optical Materials* **28** (2006), 102-105
- [40] A.J. Wojtowicz, **W. Drozdowski**, D. Wiśniewski, J.L. Lefaucheur, Z. Gałazka, Z. Gou, T. Łukasiewicz, J. Kisielewski, "Scintillation Properties of Selected Oxide Monocrystals Activated with Ce and Pr", *Optical Materials* **28** (2006), 85-93
- [41] **W. Drozdowski**, T. Łukasiewicz, A.J. Wojtowicz, D. Wiśniewski, J. Kisielewski, "Thermoluminescence and Scintillation of Praseodymium Activated  $\text{Y}_3\text{Al}_5\text{O}_{12}$  and  $\text{LuAlO}_3$  Crystals", *Journal of Crystal Growth* **275** (2005), e709-e714
- [42] D. Podgórska, S.M. Kaczmarek, **W. Drozdowski**, M. Berkowski, A. Worsztynowicz, "Growth and Optical Properties of  $\text{Li}_2\text{B}_4\text{O}_7$  Single Crystals Pure and Doped with Yb, Co and Mn Ions for Nonlinear Applications", *Acta Physica Polonica* **A107** (2005), 507-518
- [43] **W. Drozdowski**, A.J. Wojtowicz, D. Wiśniewski, P. Szupryczyński, S. Janus, J.L. Lefaucheur, Z. Gou, "VUV Spectroscopy and Low Temperature Thermoluminescence of  $\text{LSO}:\text{Ce}$  and  $\text{YSO}:\text{Ce}$ ", *Journal of Alloys and Compounds* **380** (2004), 146-150
- [44] D. Wiśniewski, A.J. Wojtowicz, **W. Drozdowski**, J.M. Farmer, L.A. Boatner, "Scintillation and Luminescence Properties of Ce-Activated  $\text{K}_3\text{Lu}(\text{PO}_4)_2$ ", *Journal of Alloys and Compounds* **380** (2004), 191-195
- [45] P. Szupryczyński, C.L. Melcher, M.A. Spurrier, M.P. Maskarinec, A.A. Carey, A.J. Wojtowicz, **W. Drozdowski**, D. Wiśniewski, R. Nutt, "Thermoluminescence and Scintillation Properties of Rare Earth Oxyorthosilicate Scintillators", *IEEE Transactions on Nuclear Science* **51** (2004), 1103-1110
- [46] D. Wiśniewski, A.J. Wojtowicz, **W. Drozdowski**, J.M. Farmer, L.A. Boatner, " $\text{Rb}_3\text{Lu}(\text{PO}_4)_2:\text{Ce}$  and  $\text{Cs}_3\text{Lu}(\text{PO}_4)_2:\text{Ce}$  – New Promising Scintillator Materials", *Crystal Research and Technology* **38** (2003), 275-282
- [47] **W. Drozdowski**, A.J. Wojtowicz, "Fast 20 ns 5d-4f Luminescence and Radiation Trapping in  $\text{BaF}_2:\text{Ce}$ ", *Nuclear Instruments and Methods in Physics Research* **A486** (2002), 412-416

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- [49] A.J. Wojtowicz, P. Szupryczyński, D. Wiśniewski, J. Głodo, **W. Drozdowski**, "Electron Traps and Scintillation Mechanism in LuAlO<sub>3</sub>:Ce", *Journal of Physics: Condensed Matter* **13** (2001), 9599-9619
- [50] **W. Drozdowski**, A.J. Wojtowicz, "Radiative Recombination in BaF<sub>2</sub>:Pr", *Journal of Alloys and Compounds* **300&301** (2000), 261-266
- [51] A.J. Wojtowicz, P. Szupryczyński, **W. Drozdowski**, "Radiative Recombination in Ce-, Pr-, and Tb-Doped Barium Fluoride", *Journal of Alloys and Compounds* **300&301** (2000), 199-206
- [52] A.J. Wojtowicz, P. Szupryczyński, J. Głodo, **W. Drozdowski**, D. Wiśniewski, "Radioluminescence and Recombination Processes in BaF<sub>2</sub>:Ce", *Journal of Physics: Condensed Matter* **12** (2000), 4097-4124
- [53] **W. Drozdowski**, K.R. Przegiętka, A.J. Wojtowicz, H.L. Oczkowski, "Charge Traps in Ce-Doped CaF<sub>2</sub> and BaF<sub>2</sub>", *Acta Physica Polonica A* **95** (1999), 251-258
- [54] K. Wiśniewski, Cz. Koepke, A.J. Wojtowicz, **W. Drozdowski**, M. Grinberg, S.M. Kaczmarek, J. Kisielewski, "Excited State Absorption and Thermoluminescence in Ce and Mg Doped Yttrium Aluminum Garnet", *Acta Physica Polonica A* **95** (1999), 403-412
- [55] T.M. Piters, R. Melendrez, **W. Drozdowski**, "Effects of the Temperature Lag on Thermoluminescence Analysis with the Hoogenstraaten's Heating Rate Method", *Radiation Protection Dosimetry* **84** (1999), 127-130
- [56] A.J. Wojtowicz, J. Głodo, **W. Drozdowski**, K.R. Przegiętka, "Electron Traps and Scintillation Mechanism in YAlO<sub>3</sub>:Ce and LuAlO<sub>3</sub>:Ce Scintillators", *Journal of Luminescence* **79** (1998), 275-291
- [57] A.J. Wojtowicz, **W. Drozdowski**, D. Wiśniewski, K. Wiśniewski, K.R. Przegiętka, H.L. Oczkowski, T.M. Piters, "Thermoluminescence and Scintillation of LuAlO<sub>3</sub>:Ce", *Radiation Measurements* **29** (1998), 323-326
- [58] **W. Drozdowski**, D. Wiśniewski, A.J. Wojtowicz, A. Łempicki, P. Dorenbos, J.T.M. de Haas, C.W.E. van Eijk, A.J.J. Bos, "Thermoluminescence of LuAlO<sub>3</sub>:Ce", *Journal of Luminescence* **72-74** (1997), 756-758
- [59] D. Wiśniewski, **W. Drozdowski**, A.J. Wojtowicz, A. Łempicki, P. Dorenbos, J.T.M. de Haas, C.W.E. van Eijk, A.J.J. Bos, "Spectroscopy and Thermoluminescence of LuAlO<sub>3</sub>:Ce", *Acta Physica Polonica A* **90** (1996), 377-384

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