

Michał Gowacki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	(Y, Gd)AlO ₃ Perovskite Single Crystals Doped with Mn ²⁺ Ions. Acta Physica Polonica A, 2022, 141, 374-378.	0.5	0
2	Exploring the Impact of Structure-Sensitivity Factors on Thermographic Properties of Dy ³⁺ -Doped Oxide Crystals. Materials, 2021, 14, 2370.	2.9	14
3	Dipole relaxation process and giant dielectric permittivity in Eu ³⁺ -doped CdMoO ₄ single crystal. Journal of Materiomics, 2021, 7, 845-857.	5.7	3
4	Spectroscopic properties of thulium doped (Lu _{0.25} Gd _{0.75}) ₂ SiO ₅ (LGSO) single crystals. Journal of Luminescence, 2020, 220, 116962.	3.1	5
5	Spectroscopic properties of Dy ³⁺ ions in La ₃ Ga _{5.5} Ta _{0.5} O ₁₄ single crystal. Journal of Luminescence, 2020, 220, 116989.	3.1	10
6	Effect of Tb ³⁺ concentration and co-doping with Ce ³⁺ ions on luminescence characteristics of terbium-doped (Lu _{0.25} Gd _{0.75}) ₂ SiO ₅ single crystals. Optical Materials, 2020, 107, 110155.	3.6	6
7	BaWO ₄ : Pr single crystals co-doped with Na. Journal of Crystal Growth, 2019, 528, 125264.	1.5	6
8	Comment on “Spectroscopic properties and location of the Ce ³⁺ energy levels in Y ₃ Al ₂ Ga ₃ O ₁₂ and Y ₃ Ga ₅ O ₁₂ at ambient and high hydrostatic pressure” by S. Mahlik, A. Lazarowska, J. Ueda, S. Tanabe and M. Grinberg, Phys. Chem. Chem. Phys., 2016, 18, 6683. Physical Chemistry Chemical Physics, 2019, 21, 2816-2817.	2.8	0
9	High-Pressure Low-Temperature Optical Studies of BaWO ₄ :Ce,Na Crystals. Inorganic Chemistry, 2019, 58, 5617-5629.	4.0	10
10	Contribution of energy transfer processes to excitation and relaxation of Yb ³⁺ ions in Gd ₃ (Al,Ga) ₅ O ₁₂ :RE ³⁺ , Yb ³⁺ (RE ³⁺ = Tm ³⁺ , Er ³⁺ , Ho ³⁺ , Pr ³⁺). Journal of Luminescence, 2019, 211, 54-61.	3.1	16
11	Impact of temperature on excitation, emission and cross-relaxation processes of terbium ions in GGAG single crystal. Journal of Alloys and Compounds, 2019, 789, 409-415.	5.5	6
12	Site Symmetries of Cerium Ions in BaWO ₄ Single Crystals Codoped with Sodium Ions. Applied Magnetic Resonance, 2019, 50, 819-833.	1.2	11
13	EPR study of RE ³⁺ (RE = Nd, Gd, Dy) doped CdMoO ₄ single crystal. Materials Chemistry and Physics, 2019, 221, 156-167.	4.0	1
14	Spectroscopic peculiarities of excitation and emission processes as well as relaxation dynamic of excited states in doubly and triply doped Gd ₃ Ga ₃ Al ₂ O ₁₂ :Ln ³⁺ (Ln ³⁺ =Eu ³⁺ , Tb ³⁺ , Ce ³⁺) crystals. Optical Materials, 2019, 88, 492-499.	3.6	10
15	BaWO ₄ :Ce Single Crystals Codoped with Na Ions. Crystals, 2019, 9, 28.	2.2	6
16	Scintillation properties of Gd ₃ Al ₂ Ga ₃ O ₁₂ :Ce (GAGG:Ce): a comparison between monocrystalline and nanoceramic samples. Optical Materials, 2018, 79, 227-231.	3.6	12
17	Yb ³⁺ -doped cadmium molybdate-tungstate single crystal “ Its structural, optical, magnetic and transport properties. Journal of Solid State Chemistry, 2018, 262, 164-171.	2.9	9
18	Down- and Upconversion Phenomena in Gd ₃ (Al,Ga) ₅ O ₁₂ Crystals Doped with Pr ³⁺ and Yb ³⁺ Ions. Journal of Physical Chemistry C, 2018, 122, 13061-13071.	3.1	16

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19	Radioluminescence, low temperature thermoluminescence and scintillation properties of Ca and Eu doped ZnWO ₄ single crystals. Radiation Measurements, 2018, 118, 1-7.	1.4	7
20	Effect of Lutetium Co-Doping on the Main Dosimetric Peak of YAP:Mn ²⁺ Thermoluminescent Detectors. Acta Physica Polonica A, 2018, 133, 973-976.	0.5	6
21	Photoluminescence and Thermoluminescence of the Oxygen-Deficient YAG, YAP, and YAM Phosphors. Acta Physica Polonica A, 2018, 133, 977-980.	0.5	11
22	Growth and optical properties of ZnWO ₄ single crystals pure and doped with Ca and Eu. Journal of Crystal Growth, 2017, 457, 117-121.	1.5	7
23	Spectroscopic characterization of SrB ₄ O ₇ :Tm ²⁺ , a potential laser material and optical temperature sensor. RSC Advances, 2017, 7, 21085-21092.	3.6	14
24	Luminescence and energy transfer phenomena in Gd ₃ (Al,Ga)5O ₁₂ crystals single doped with thulium and co-doped with thulium and holmium. Journal of Luminescence, 2017, 192, 77-84.	3.1	15
25	Europium and potassium co-doped strontium metaborate single crystals grown by the Czochralski method. Journal of Crystal Growth, 2017, 457, 107-111.	1.5	2
26	Electronic and Ionic Conductivity of La _{0.95} Sr _{0.05} Ga _{0.95} Mg _{0.05} O _{3-δ} (LSGM) Single Crystals. Journal of the Electrochemical Society, 2016, 163, F1189-F1197.	2.9	22
27	Excited state relaxation dynamics and up-conversion phenomena in Gd ₃ (Al,Ga)5O ₁₂ single crystals co-doped with erbium and ytterbium. Journal of Luminescence, 2016, 177, 219-227.	3.1	20
28	Growth and spectroscopy of Gd ₃ Ga ₃ Al ₂ O ₁₂ (GGAG) and evidence of multisite positions of Sm ³⁺ ions in solid solution matrix. Journal of Alloys and Compounds, 2016, 689, 359-365.	5.5	16
29	Gd ₃ Ga ₃ Al ₂ O ₁₂ single crystal doped with dysprosium: Spectroscopic properties and luminescence characteristics. Journal of Alloys and Compounds, 2016, 689, 733-739.	5.5	19
30	Time-resolved OSL studies of YAlO ₃ :Mn ²⁺ crystals. Radiation Measurements, 2016, 94, 18-22.	1.4	18
31	Investigation of intrinsic and extrinsic defects in solid solution Gd ₃ (Al,Ga)5O ₁₂ crystals grown by the Czochralski method. Journal of Alloys and Compounds, 2016, 688, 96-103.	5.5	12
32	Optical spectra and crystal field calculation for SrB ₄ O ₇ :Sm ²⁺ . Journal of Alloys and Compounds, 2016, 661, 419-427.	5.5	18
33	Excited state relaxation dynamics and up-conversion phenomena in Gd ₃ (Al,Ga)5O ₁₂ single crystals co-doped with holmium and ytterbium. Journal of Alloys and Compounds, 2016, 656, 573-580.	5.5	14
34	$\bar{1}\bar{1}4$ -Raman and infrared reflectance spectroscopy characterization of (Lu _{1-x} Gd _x) ₂ SiO ₅ solid solution single crystals doped with Dy ³⁺ or Sm ³⁺ . Journal of Molecular Structure, 2016, 1109, 50-57.	3.6	6
35	Energy response of the TL detectors based on YAlO ₃ :Mn crystals. Radiation Measurements, 2016, 90, 262-264.	1.4	15
36	Czochralski growth and optical properties of SrB ₂ O ₄ :Eu ²⁺ single crystals. Journal of Luminescence, 2016, 169, 807-810.	3.1	3

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37	Growth and EPR properties of ErVO ₄ single crystals. Nukleonika, 2015, 60, 405-410.	0.8	3
38	EPR Properties of Concentrated NdVO ₄ Single Crystal System. Applied Magnetic Resonance, 2015, 46, 1023-1033.	1.2	6
39	Investigation of spectroscopic properties and energy transfer between Ce and Dy in (Lu _{0.2} Gd _{0.8}) ₂ SiO ₅ single crystals. Journal of Luminescence, 2015, 166, 304-312.	3.1	3
40	Growth and EPR properties of HoVO ₄ single crystals. Journal of Crystal Growth, 2014, 401, 177-180.	1.5	3
41	A combined study of the equation of state of monazite-type lanthanum orthovanadate using <i>in situ</i> high-pressure diffraction and <i>ab initio</i> calculations. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 533-538.	1.1	16
42	Czochralski Growth and Optical Properties of (Lu _x Gd _{1-x}) ₂ SiO ₅ Solid Solution Crystals Single Doped with Sm ³⁺ and Dy ³⁺ . Acta Physica Polonica A, 2013, 124, 321-328.	0.5	2
43	Growth conditions, structure, Raman characterization and optical properties of Sm-doped (Lu _x Gd _{1-x}) ₂ SiO ₅ single crystals grown by the Czochralski method. Journal of Solid State Chemistry, 2012, 186, 268-277.	2.9	25
44	Growth and characterization of perovskite LaGaO ₃ crystals doped with Sr and Mn. Journal of Alloys and Compounds, 2011, 509, 1756-1759.	5.5	9
45	Optical spectra and luminescence dynamics of the Dy-doped Gd ₂ SiO ₅ single crystal. Applied Physics B: Lasers and Optics, 2010, 98, 337-346.	2.2	45
46	Phase Transition In Perovskite LaGaO ₃ Crystals Doped With Sr And Mn : Studied By Raman Spectroscopy. , 2010, , .		0
47	The Czochralski Growth of (Lu _x Gd _{1-x}) ₂ SiO ₅ :Dy Single Crystals: Structural, Optical, and Dielectric Characterization. Crystal Growth and Design, 2010, 10, 3522-3530.	3.0	40