Michal GÅ‚owacki

List of Publications by Year
in descending order

47	518	623188 14	752256 20
papers	citations	h-index	g-index

47	47	47	603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical spectra and luminescence dynamics of the Dy-doped Gd2SiO5 single crystal. Applied Physics B: Lasers and Optics, 2010, 98, 337-346.	1.1	45
2	The Czochralski Growth of (Lu_{1â^'x}Gd_x)₂SiO₅:Dy Single Crystals: Structural, Optical, and Dielectric Characterization. Crystal Growth and Design, 2010, 10, 3522-3530.	1.4	40
3	Growth conditions, structure, Raman characterization and optical properties of Sm-doped (LuxGd1â^'x)2SiO5 single crystals grown by the Czochralski method. Journal of Solid State Chemistry, 2012, 186, 268-277.	1.4	25
4	Electronic and Ionic Conductivity of La_{0.95}Sr_{0.05}Ga_{0.95}Mg_{0.05}O_{3-Î´} (LSGM) Single Crystals. Journal of the Electrochemical Society, 2016, 163, F1189-F1197.	1.3	22
5	Excited state relaxation dynamics and up-conversion phenomena in Gd 3 (Al,Ga) 5 O 12 single crystals co-doped with erbium and ytterbium. Journal of Luminescence, 2016, 177, 219-227.	1.5	20
6	Gd3Ga3Al2O12 single crystal doped with dysprosium: Spectroscopic properties and luminescence characteristics. Journal of Alloys and Compounds, 2016, 689, 733-739.	2.8	19
7	Time-resolved OSL studies of YAlO3:Mn2+ crystals. Radiation Measurements, 2016, 94, 18-22.	0.7	18
8	Optical spectra and crystal field calculation for SrB 4 O 7 :Sm 2+. Journal of Alloys and Compounds, 2016, 661, 419-427.	2.8	18
9	A combined study of the equation of state of monazite-type lanthanum orthovanadate usingin situhigh-pressure diffraction andab initiocalculations. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 533-538.	0.5	16
10	Growth and spectroscopy of Gd3Ga3Al2O12 (GGAG) and evidence of multisite positions of Sm3+ ions in solid solution matrix. Journal of Alloys and Compounds, 2016, 689, 359-365.	2.8	16
11	Down- and Upconversion Phenomena in Gd₃(Al,Ga)₅O₁₂ Crystals Doped with Pr³⁺ and Yb³⁺ Ions. Journal of Physical Chemistry C, 2018, 122, 13061-13071.	1.5	16
12	Contribution of energy transfer processes to excitation and relaxation of Yb3+ ions in Gd3(Al,Ga)5O12:RE3+, Yb3+ (RE3+ = Tm3+, Er3+, Ho3+, Pr3+). Journal of Luminescence, 2019, 211, 54-61.	1.5	16
13	Energy response of the TL detectors based on YAlO3:Mn crystals. Radiation Measurements, 2016, 90, 262-264.	0.7	15
14	Luminescence and energy transfer phenomena in Gd3 (Al,Ga)5O12 crystals single doped with thulium and co-doped with thulium and holmium. Journal of Luminescence, 2017, 192, 77-84.	1.5	15
15	Excited state relaxation dynamics and up-conversion phenomena in Gd 3 (Al,Ga) 5 O 12 single crystals co-doped with holmium and ytterbium. Journal of Alloys and Compounds, 2016, 656, 573-580.	2.8	14
16	Spectroscopic characterization of SrB₄O₇:Tm²⁺, a potential laser material and optical temperature sensor. RSC Advances, 2017, 7, 21085-21092.	1.7	14
17	Exploring the Impact of Structure-Sensitivity Factors on Thermographic Properties of Dy3+-Doped Oxide Crystals. Materials, 2021, 14, 2370.	1.3	14
18	Investigation of intrinsic and extrinsic defects in solid solution Gd3(Al,Ga)5O12 crystals grown by the Czochralski method. Journal of Alloys and Compounds, 2016, 688, 96-103.	2.8	12

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19	Scintillation properties of Gd3Al2Ga3O12:Ce (GAGG:Ce): a comparison between monocrystalline and nanoceramic samples. Optical Materials, 2018, 79, 227-231.	1.7	12
20	Site Symmetries of Cerium Ions in BaWO4 Single Crystals Codoped with Sodium Ions. Applied Magnetic Resonance, 2019, 50, 819-833.	0.6	11
21	Photoluminescence and Thermoluminescence of the Oxygen-Deficient YAG, YAP, and YAM Phosphors. Acta Physica Polonica A, 2018, 133, 977-980.	0.2	11
22	High-Pressure Low-Temperature Optical Studies of BaWO₄:Ce,Na Crystals. Inorganic Chemistry, 2019, 58, 5617-5629.	1.9	10
23	Spectroscopic peculiarities of excitation and emission processes as well as relaxation dynamic of excited states in doubly and triply doped Gd3Ga3Al2O12:Ln3+ (Ln3+=Eu3+, Tb3+, Ce3+) crystals. Optical Materials, 2019, 88, 492-499.	1.7	10
24	Spectroscopic properties of Dy3+ ions in La3Ga5.5Ta0.5O14 single crystal. Journal of Luminescence, 2020, 220, 116989.	1.5	10
25	Growth and characterization of perovskite LaGaO3 crystals doped with Sr and Mn. Journal of Alloys and Compounds, 2011, 509, 1756-1759.	2.8	9
26	Yb3+-doped cadmium molybdato-tungstate single crystal â€“ Its structural, optical, magnetic and transport properties. Journal of Solid State Chemistry, 2018, 262, 164-171.	1.4	9
27	Growth and optical properties of ZnWO4 single crystals pure and doped with Ca and Eu. Journal of Crystal Growth, 2017, 457, 117-121.	0.7	7
28	Radioluminescence, low temperature thermoluminescence and scintillation properties of Ca and Eu doped ZnWO4 single crystals. Radiation Measurements, 2018, 118, 1-7.	0.7	7
29	EPR Properties of Concentrated NdVO4 Single Crystal System. Applied Magnetic Resonance, 2015, 46, 1023-1033.	0.6	6
30	Î¼-Raman and infrared reflectance spectroscopy characterization of (Lu1â^'xGdx)2SiO5 solid solution single crystals doped with Dy3+ or Sm3+. Journal of Molecular Structure, 2016, 1109, 50-57.	1.8	6
31	BaWO4: Pr single crystals co-doped with Na. Journal of Crystal Growth, 2019, 528, 125264.	0.7	6
32	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.	2.8	6
33	BaWO4:Ce Single Crystals Codoped with Na Ions. Crystals, 2019, 9, 28.	1.0	6
34	Effect of Tb3+ concentration and co-doping with Ce3+ ions on luminescence characteristics of terbium-doped (Lu0.25Gd0.75)2SiO5 single crystals. Optical Materials, 2020, 107, 110155.	1.7	6
35	Effect of Lutetium Co-Doping on the Main Dosimetric Peak of YAP:Mn²⁺ Thermoluminescent Detectors. Acta Physica Polonica A, 2018, 133, 973-976.	0.2	6
36	Spectroscopic properties of thulium doped (Lu0.25Gd0.75)2SiO5 (LGSO) single crystals. Journal of Luminescence, 2020, 220, 116962.	1.5	5

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37	Growth and EPR properties of HoVO4 single crystals. Journal of Crystal Growth, 2014, 401, 177-180.	0.7	3
38	Growth and EPR properties of ErVO₄ single crystals. Nukleonika, 2015, 60, 405-410.	0.3	3
39	Investigation of spectroscopic properties and energy transfer between Ce and Dy in (Lu0.2Gd0.8â^'xâ^'yCexDyy)2SiO5 single crystals. Journal of Luminescence, 2015, 166, 304-312.	1.5	3
40	Czochralski growth and optical properties of SrB2O4:Eu2+ single crystals. Journal of Luminescence, 2016, 169, 807-810.	1.5	3
41	Dipole relaxation process and giant dielectric permittivity in Eu3+-doped CdMoO4 single crystal. Journal of Materiomics, 2021, 7, 845-857.	2.8	3
42	Czochralski Growth and Optical Properties Î¿f (Lu_{x}Gd_{1-x})_2SiO_5 Solid Solution Crystals Single Doped with Sm^{3+} and~Dy^{3+}. Acta Physica Polonica A, 2013, 124, 321-328.	0.2	2
43	Europium and potassium co-doped strontium metaborate single crystals grown by the Czochralski method. Journal of Crystal Growth, 2017, 457, 107-111.	0.7	2
44	EPR study of RE3+ (RE = Nd, Gd, Dy) doped CdMoO4 single crystal. Materials Chemistry and Physics, 2019, 221, 156-167.	2.0	1
45	Phase Transition In Perovskite LaGaO[sub 3] Crystals Doped With Sr And Mn : Studied By Raman Spectroscopy. , 2010, , .		0
46	Comment on â€œSpectroscopic properties and location of the Ce3+ energy levels in Y3Al2Ga3O12 and Y3Ga5O12 at ambient and high hydrostatic pressureâ€•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.	1.3	0
47	(Y, Gd)AlO₃ Perovskite Single Crystals Doped with Mn²⁺ Ions. Acta Physica Polonica A, 2022, 141, 374-378.	0.2	0