

# Paweł, Grzegorz

## List of Publications by Year in descending order

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84  
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#	ARTICLE	IF	CITATIONS
1	Efficient near-infrared quantum cutting by cooperative energy transfer in Bi <sub>3</sub> TeBO <sub>9</sub> :Nd <sup>3+</sup> phosphors. <i>Journal of Materials Science</i> , 2022, 57, 185-203.	1.7	7
2	Pilot-Scale Studies of WO <sub>3</sub> /S-Doped g-C <sub>3</sub> N <sub>4</sub> Heterojunction toward Photocatalytic NO <sub>x</sub> Removal. <i>Materials</i> , 2022, 15, 633.	1.3	10
3	Pressure -induced changes in the persistent luminescence of Gd <sub>2.994</sub> Ce <sub>0.006</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> and Gd <sub>2.964</sub> Ce <sub>0.006</sub> Dy <sub>0.03</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> nanoceramics. <i>Dalton Transactions</i> , 2022, 51, 5524-5533.	1.6	2
4	Effect of Graphene Addition on the Thermal and Persistent Luminescence Properties of Gd <sub>2.994</sub> Ce <sub>0.006</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> and Gd <sub>2.964</sub> Ce <sub>0.006</sub> Dy <sub>0.03</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> Ceramics. <i>Materials</i> , 2022, 15, 2606.	1.3	0
5	Insights into the Relationship between Crystallite Size, Sintering Pressure, Temperature Sensitivity, and Persistent Luminescence Color of Gd <sub>2.97</sub> Pr <sub>0.03</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> Powders and Ceramics. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7127-7142.	1.5	8
6	Assessment of SnO <sub>2</sub> -nanocrystal-based luminescent glass-ceramic waveguides for integrated photonics. <i>Ceramics International</i> , 2021, 47, 5534-5541.	2.3	17
7	Efficient Yb <sup>3+</sup> sensitized Er <sup>3+</sup> emission of Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> single crystal. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159772.	2.8	8
8	Electronic structure engineering of Gd <sub>2.97</sub> Tb <sub>0.03</sub> Ga <sub>5-x</sub> Al <sub>x</sub> O <sub>12</sub> persistent luminescence phosphors. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161745.	2.8	2
9	Design of the persistent luminescence colour of a novel Gd <sub>3-3x</sub> Tb <sub>x</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> phosphor: synthesis methods, spectroscopic properties and mechanism. <i>Dalton Transactions</i> , 2021, 50, 4830-4839.	1.6	9
10	Crystalline LiPON as a Bulk-Type Solid Electrolyte. <i>ACS Energy Letters</i> , 2021, 6, 445-450.	8.8	43
11	Scheelite-Type Wide-Bandgap ABO <sub>4</sub> Compounds (A = Ca, Sr, and Ba; B = Mo and W) as Potential Photocatalysts for Water Treatment. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25497-25513.	1.5	15
12	Impact of the Synthesis Method on the Conventional and Persistent Luminescence in Gd <sub>3-x</sub> Ce <sub>x</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> . <i>Inorganic Chemistry</i> , 2021, 60, 18777-18788.	1.9	8
13	A Facile Synthesis and Characterization of Highly Crystalline Submicro-Sized BiFeO <sub>3</sub> . <i>Materials</i> , 2020, 13, 3035.	1.3	16
14	Laser induced emission spectra of gallium nitride nanoceramics. <i>Ceramics International</i> , 2020, 46, 29060-29066.	2.3	16
15	Impact of Alkali Ions Codoping on Magnetic Properties of La <sub>0.9</sub> A <sub>0.1</sub> Mn <sub>0.9</sub> Co <sub>0.1</sub> O <sub>3</sub> (A: Li, K, Na) Powders and Ceramics. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8786.	1.3	2
16	Nanoscale ferroelectricity in pseudo-cubic sol-gel derived barium titanate - bismuth ferrite (BaTiO <sub>3</sub> ) <sub>1-x</sub> (BiFeO <sub>3</sub> ) <sub>x</sub> thin films. <i>Journal of Applied Physics</i> , 2020, 123, 084101.	2.8	32
17	Preparation and physical characteristics of graphene ceramics. <i>Scientific Reports</i> , 2020, 10, 11121.	1.6	13
18	Magnetic Properties of La <sub>0.9</sub> A <sub>0.1</sub> MnO <sub>3</sub> (A: Li, Na, K) Nanopowders and Nanoceramics. <i>Materials</i> , 2020, 13, 1788.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Photonic glass ceramics based on SnO <sub>2</sub> nanocrystals: advances and perspectives. , 2020, , .		2
20	Modeling and parameter recovering of rare-earth-doped/co-doped glass and glass ceramics optical devices. , 2020, , .		0
21	Design of active devices based on rare-earth-doped glass/glass ceramic: from the material characterization to the device parameter refinement. , 2020, , .		1
22	â€œFrozenâ€•pressure effect in GGAG:Ce <sup>3+</sup> white light emitting nanoceramics. Ceramics International, 2019, 45, 21870-21877.	2.3	7
23	SiO <sub>2</sub> -SnO <sub>2</sub> Photonic Glass-Ceramics. , 2019, , .		1
24	Optical, Dielectric and Magnetic Properties of La <sup>1-x</sup> NdxFeO <sub>3</sub> Powders and Ceramics. Ceramics, 2019, 2, 1-12.	1.0	7
25	Key factors tuning upconversion and near infrared luminescence in nanosized Lu <sub>2</sub> O <sub>3</sub> :Er <sup>3+</sup> ,Yb <sup>3+</sup> . Journal of Alloys and Compounds, 2019, 799, 481-494.	2.8	14
26	Laser-driven proliferation of sp <sup>2</sup> -sp <sup>3</sup> changes during anti-Stokes white light emission of 1/4-diamonds. Carbon, 2019, 146, 438-446.	5.4	18
27	Enhanced 1.5 1/4m emission of Er <sup>3+</sup> -doped multifunctional Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> microcrystals. Dalton Transactions, 2019, 48, 6283-6290.	1.6	10
28	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, 2018, 79, 227-231.	1.7	12
29	Near-infrared luminescence of Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> :Nd <sup>3+</sup> /PMMA composite. Optical Materials, 2018, 75, 13-18.	1.7	11
30	Persistent luminescence warm-light LEDs based on Ti-doped RE <sub>2</sub> O <sub>3</sub> S materials prepared by rapid and energy-saving microwave-assisted synthesis. Journal of Materials Chemistry C, 2018, 6, 8897-8905.	2.7	39
31	Nd <sup>3+</sup> -doped Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> phosphors for NIR emission. Journal of Luminescence, 2018, 203, 663-669.	1.5	8
32	Bifunctional Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> single crystals doped with Nd <sup>3+</sup> or Pr <sup>3+</sup> : luminescence and 1/4-Raman investigations. , 2018, , .		0
33	Laser induced white lighting of graphene foam. Scientific Reports, 2017, 7, 41281.	1.6	70
34	Bifunctional Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> :Nd <sup>3+</sup> Single Crystal for Near Infrared Lasers: Luminescence and 1/4-Raman Investigations. Crystal Growth and Design, 2017, 17, 3656-3664.	1.4	23
35	Size Effect in Novel Red Efficient Garnet Nanophosphor. Journal of Physical Chemistry C, 2017, 121, 25561-25567.	1.5	18
36	Structural, optical and phonon properties of formate-based MOF phosphors with ethylammonium cations. Physical Chemistry Chemical Physics, 2017, 19, 22733-22742.	1.3	5

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37	Up-conversion luminescence of rare earth-doped KGd(WO <sub>4</sub> ) <sub>2</sub> phosphors for tunable multicolour light generation. <i>New Journal of Chemistry</i> , 2017, 41, 9847-9856.	1.4	5
38	Visible and near-infrared up-conversion luminescence of KGd(WO <sub>4</sub> ) <sub>2</sub> micro-crystals doped with Er <sup>3+</sup> , Tm <sup>3+</sup> , Ho <sup>3+</sup> and Yb <sup>3+</sup> ions. <i>Journal of Alloys and Compounds</i> , 2016, 684, 271-281.	2.8	23
39	Mechanisms of Tenebrescence and Persistent Luminescence in Synthetic Hackmanite Na <sub>8</sub> Al <sub>6</sub> Si <sub>6</sub> O <sub>24</sub> (Cl,S) <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 11592-11602.	4.0	32
40	Up-conversion luminescence and Raman investigations of KGd(WO <sub>4</sub> ) <sub>2</sub> crystalline powders doped with rare earth ions. , 2016, , .		0
41	Photoluminescence properties of Pr <sup>3+</sup> doped Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> microcrystals and PMMA-based composites. <i>Optical Materials</i> , 2016, 62, 72-79.	1.7	11
42	The influence of temperature, pressure and Ag doping on the physical properties of TiO <sub>2</sub> nanoceramics. <i>Nanoscale</i> , 2016, 8, 19703-19713.	2.8	5
43	Synthesis, structure and optical properties of two novel luminescent polar dysprosium metal-organic frameworks: [(CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> ] <sub>2</sub> [Dy(HCOO) <sub>4</sub> ] and [N <sub>2</sub> H <sub>5</sub> ] <sub>2</sub> [Dy(HCOO) <sub>4</sub> ]. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1010-1020.	2.7	16
44	Effect of the glass melting condition on the processing of phosphate-based glass-ceramics with persistent luminescence properties. <i>Optical Materials</i> , 2016, 52, 56-61.	1.7	12
45	Persistent Photoconductance in Graphene Ceramics. <i>Physics Procedia</i> , 2015, 76, 155-159.	1.2	9
46	Optically stimulated persistent luminescence of europium-doped LaAlO <sub>3</sub> nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17246-17252.	1.3	32
47	Laser-induced white-light emission from graphene ceramics—opening a band gap in graphene. <i>Light: Science and Applications</i> , 2015, 4, e237-e237.	7.7	122
48	An Approach in the Structural and Spectroscopic Analysis of Yb <sup>3+</sup> -Doped YAG Nano-ceramics by Conjugation of TEM-EDX and Optical Techniques. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2015, , 285-307.	0.2	0
49	Tailoring structure and electric transport properties of the magnetic iron boron nitride nanoceramics. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 384, 144-147.	1.0	1
50	Processing and characterization of phosphate glasses containing CaAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> ,Nd <sup>3+</sup> and SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> ,Dy <sup>3+</sup> microparticles. <i>Journal of the European Ceramic Society</i> , 2015, 35, 3863-3871.	2.8	28
51	Spectroscopic properties of Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> single crystals doped with Pr <sup>3+</sup> ions: Absorption and luminescence investigations. <i>Optical Materials</i> , 2015, 47, 428-434.	1.7	21
52	Persistent Luminescence of Tenebrescent Na <sub>8</sub> Al <sub>6</sub> Si <sub>6</sub> O <sub>24</sub> (Cl,S) <sub>2</sub> : Multifunctional Optical Markers. <i>Inorganic Chemistry</i> , 2015, 54, 7717-7724.	1.9	22
53	New alternative route for the preparation of phosphate glasses with persistent luminescence properties. <i>Journal of the European Ceramic Society</i> , 2015, 35, 1255-1261.	2.8	25
54	Gas phase hydrogen absorption and electrochemical performance of La <sub>2</sub> (Ni,Co,Mg,M) <sub>10</sub> based alloys. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2423-2429.	3.8	7

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55	High saturation ferromagnetic behavior of Fe:BN nanoceramic. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 696-699.	0.8	1
56	Yb <sup>3+</sup> Ions Distribution in YAG Nanoceramics Analyzed by Both Optical and TEM-EDX Techniques. Journal of Physical Chemistry C, 2014, 118, 15474-15486.	1.5	27
57	Spectroscopic properties of KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals doped with Er <sup>3+</sup> , Ho <sup>3+</sup> , Tm <sup>3+</sup> and Yb <sup>3+</sup> ions: Luminescence and micro-Raman investigations. Journal of Alloys and Compounds, 2013, 577, 687-692.	2.8	18
58	Studies of upconversion emission of Yb <sup>3+</sup> , Er <sup>3+</sup> :Lu <sub>2</sub> O <sub>3</sub> nanoceramics. Optical Materials, 2013, 35, 731-734.	1.7	10
59	Luminescence and excitation spectra of Cr <sup>3+</sup> :MgAl <sub>2</sub> O <sub>4</sub> nanoceramics. Materials Chemistry and Physics, 2013, 140, 222-227.	2.0	36
60	Infrared laser stimulated broadband white emission of Yb <sup>3+</sup> :YAG nanoceramics. Optical Materials, 2013, 35, 2013-2017.	1.7	53
61	Spectroscopic properties of Nd <sup>3+</sup> in MgAl <sub>2</sub> O <sub>4</sub> spinel nanocrystals. Journal of Alloys and Compounds, 2012, 525, 39-43.	2.8	22
62	Comparative studies on structural and luminescent properties of Eu <sup>3+</sup> :MgAl <sub>2</sub> O <sub>4</sub> and Eu <sup>3+</sup> /Na <sup>+</sup> :MgAl <sub>2</sub> O <sub>4</sub> nanopowders and nanoceramics. Optical Materials, 2012, 35, 130-135.	1.7	29
63	The time-resolved luminescence characteristics of Ce and Ce/Pr doped YAG ceramics obtained by high pressure technique. Optical Materials, 2012, 34, 986-989.	1.7	11
64	Influence of Pressure-Induced Transition from Nanocrystals to Nanoceramic Form on Optical Properties of Ce-Doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> . Journal of the American Ceramic Society, 2011, 94, 2135-2140.	1.9	21
65	Up-conversion emission in KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals triply-doped with Er <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> , Tb <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> and Pr <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> ions. Optical Materials, 2011, 33, 1595-1601.	1.7	22
66	Magnetic studies of GaN nanoceramics doped with 1% of cerium. Journal of Rare Earths, 2011, 29, 1183-1187.	2.5	5
67	Up-conversion emission in triply-doped Ho <sup>3+</sup> /Yb <sup>3+</sup> /Tm <sup>3+</sup> KGd(WO <sub>4</sub> ) <sub>2</sub> single crystals. Optics Communications, 2011, 284, 2895-2899.	1.0	13
68	Enhancement of luminescence properties of Eu <sup>3+</sup> :YVO <sub>4</sub> in polymeric nanocomposites upon UV excitation. Journal of Luminescence, 2011, 131, 473-476.	1.5	29
69	Spectroscopic properties of Yb <sup>3+</sup> -doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> nano-ceramics obtained under different sintering pressures. Radiation Measurements, 2010, 45, 304-306.	0.7	18
70	Transport properties, specific heat and thermal conductivity of GaN nanocrystalline ceramic. Journal of Solid State Chemistry, 2010, 183, 2501-2505.	1.4	7
71	Synthesis, structural and optical characterization of Eu:KYb(WO <sub>4</sub> ) <sub>2</sub> nanocrystals: A promising red phosphor. Optical Materials, 2010, 32, 1493-1500.	1.7	17
72	IR and Raman spectroscopy study of YAG nanoceramics. Chemical Physics Letters, 2010, 494, 279-283.	1.2	49

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73	A Promising Lu <sub>2x</sub> Ho <sub>x</sub> O <sub>3</sub> Laser Nanoceramic: Synthesis and Characterization. Journal of the American Ceramic Society, 2010, 93, 3764-3772.	1.9	14
74	Electric properties of La <sub>0.8</sub> Sr <sub>0.2</sub> CoO <sub>3</sub> nanoceramics. Journal of Rare Earths, 2009, 27, 646-650.	2.5	3
75	Luminescence properties of Cr <sup>3+</sup> :Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> nanocrystals. Journal of Luminescence, 2009, 129, 548-553.	1.5	29
76	Luminescence studies of Cr <sup>3+</sup> doped MgAl <sub>2</sub> O <sub>4</sub> nanocrystalline powders. Chemical Physics, 2009, 358, 52-56.	0.9	37
77	Optical Properties of Cr(III) doped YAG Nanoceramics. ECS Transactions, 2009, 25, 113-119.	0.3	1
78	The f <sup>f</sup> Emission of Pr <sup>3+</sup> Ion as an Optical Probe for the Structural Properties of YAG Nanoceramics. Journal of Nanoscience and Nanotechnology, 2009, 9, 6315-6319.	0.9	17
79	The influence of the specific surface of grains on the luminescence properties of Nd <sup>3+</sup> -doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> nanopowders. Applied Physics B: Lasers and Optics, 2008, 91, 89-93.	1.1	31
80	Spectroscopic characterization of LaAlO <sub>3</sub> crystal doped with Tm <sup>3+</sup> ions. Optical Materials, 2008, 30, 680-683.	1.7	15
81	Fabrication and luminescence studies of Ce:Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> transparent nanoceramic. Optical Materials, 2008, 30, 714-718.	1.7	40
82	Luminescence properties of rare earth ions in fluorite, apatite and scheelite minerals. Journal of Alloys and Compounds, 2008, 451, 290-292.	2.8	18
83	The concentration dependence of luminescence of Nd:Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> nanoceramics. Journal of Alloys and Compounds, 2008, 451, 549-552.	2.8	19
84	Magnetic behavior of Gd-doped GaN nanoceramics. Journal of Alloys and Compounds, 2008, 451, 500-503.	2.8	6