

# Marek Grinberg

## List of Publications by Year in descending order

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249  
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94433

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docs citations

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times ranked

2871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Super Broadband Near-Infrared Phosphors with High Radiant Flux as Future Light Sources for Spectroscopy Applications. ACS Energy Letters, 2018, 3, 2679-2684.	17.4	286
2	Narrow Red Emission Band Fluoride Phosphor $\text{KNaSiF}_6\text{:Mn}^{4+}$ for Warm White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 11194-11203.	8.0	228
3	High Color Rendering Index of $\text{Rb}_2\text{GeF}_6\text{:Mn}^{4+}$ for Light-Emitting Diodes. Chemistry of Materials, 2017, 29, 935-939.	6.7	172
4	Penetrating Biological Tissue Using Light-Emitting Diodes with a Highly Efficient Near-Infrared $\text{ScBO}_3\text{:Cr}^{3+}$ Phosphor. Chemistry of Materials, 2020, 32, 2166-2171.	6.7	142
5	Green Light-Excitable Ce-Doped Nitridomagnesoaluminate $\text{Sr}[\text{Mg}_2\text{Al}_2\text{N}_4]$ Phosphor for White Light-Emitting Diodes. Chemistry of Materials, 2016, 28, 6822-6825.	6.7	138
6	Chromium Ion Pair Luminescence: A Strategy in Broadband Near-Infrared Light-Emitting Diode Design. Journal of the American Chemical Society, 2021, 143, 19058-19066.	13.7	125
7	Revisiting $\text{Cr}^{3+}$ -Doped $\text{Bi}_2\text{Ga}_4\text{O}_9$ Spectroscopy: Crystal Field Effect and Optical Thermometric Behavior of Near-Infrared-Emitting Singly-Activated Phosphors. ACS Applied Materials & Interfaces, 2018, 10, 41512-41524.	8.0	124
8	Time-resolved streak camera system with solid state laser and optical parametric generator in different spectroscopic applications. Optics Communications, 2006, 263, 275-280.	2.1	118
9	Ultra-high-efficiency near-infrared $\text{Ga}_2\text{O}_3\text{:Cr}^{3+}$ phosphor and controlling of phytochrome. Journal of Materials Chemistry C, 2020, 8, 11013-11017.	5.5	111
10	Hidden Structural Evolution and Bond Valence Control in Near-Infrared Phosphors for Light-Emitting Diodes. ACS Energy Letters, 2021, 6, 109-114.	17.4	110
11	Ratiometric optical thermometry using deep red luminescence from 4T <sub>2</sub> and 2E states of $\text{Cr}^{3+}$ in $\text{ZnGa}_2\text{O}_4$ host. Optical Materials, 2018, 85, 510-516.	3.6	97
12	Control of Luminescence by Tuning of Crystal Symmetry and Local Structure in $\text{Mn}^{4+}$ -Activated Narrow Band Fluoride Phosphors. Angewandte Chemie - International Edition, 2018, 57, 1797-1801.	13.8	93
13	Enhance Color Rendering Index via Full Spectrum Employing the Important Key of Cyan Phosphor. ACS Applied Materials & Interfaces, 2016, 8, 30677-30682.	8.0	85
14	Chromium(III)-Doped Fluoride Phosphors with Broadband Infrared Emission for Light-Emitting Diodes. Inorganic Chemistry, 2020, 59, 376-385.	4.0	84
15	Ultra-Broadband Phosphors Converted Near-Infrared Light Emitting Diode with Efficient Radiant Power for Spectroscopy Applications. ACS Photonics, 2019, 6, 3215-3224.	6.6	64
16	Improvement of the Water Resistance of a Narrow-Band Red-Emitting $\text{SrLiAl}_3\text{N}_4\text{:Eu}^{2+}$ Phosphor Synthesized under High Isostatic Pressure through Coating with an Organosilica Layer. Angewandte Chemie - International Edition, 2016, 55, 9652-9656.	13.8	63
17	Excited state spectroscopy of chromium ions in various valence states in glasses. Journal of Alloys and Compounds, 2002, 341, 19-27.	5.5	61
18	2E → 4A <sub>2</sub> fluorescence of $\text{Cr}^{3+}$ in high and intermediate field garnets. Journal of Luminescence, 1993, 54, 369-382.	3.1	57

#	ARTICLE	IF	CITATIONS
19	Controlling of Structural Ordering and Rigidity of $\hat{\Gamma}^2$ -SiAlON:Eu through Chemical Cosubstitution to Approach Narrow-Band-Emission for Light-Emitting Diodes Application. Chemistry of Materials, 2017, 29, 6781-6792.	6.7	57
20	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of $\text{Sr}(\text{LiAl})_3(\text{SiMg})_3\text{N}_4\text{:Eu}^{2+}$ Phosphors. Angewandte Chemie - International Edition, 2019, 58, 7767-7772.	23.8	57
21	Luminescence properties of phosphors based on $\text{Tb}_3\text{Al}_5\text{O}_{12}$ (TbAG) terbium-aluminum garnet. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2009, 106, 365-374.	0.6	56
22	Binding energies of $\text{Eu}^{2+}$ and $\text{Eu}^{3+}$ ions in $\hat{\Gamma}^2$ - $\text{Ca}_2\text{SiO}_4$ doped with europium. Optical Materials, 2013, 35, 2107-2114.	3.6	56
23	Spectroscopy of near-stoichiometric $\text{LiNbO}_3\text{:MgO}$ crystals under high pressure. Physical Review B, 2000, 62, 10802-10811.	3.2	54
24	Influence of high pressure on the luminescence transitions of $\text{Mn}^{4+}$ -doped gadolinium gallium garnet. Journal of Physics Condensed Matter, 2005, 17, 7185-7197.	1.8	52
25	Inhomogeneous broadening of optical transitions dominated by low-symmetry crystal-field components in $\text{Cr}^{3+}$ -doped gallogermanates. Physical Review B, 1995, 52, 3917-3929.	3.2	51
26	Impurity-trapped excitons: Experimental evidence and theoretical concept. Journal of Non-Crystalline Solids, 2008, 354, 4163-4169.	3.1	50
27	Aluminate Red Phosphor in Light-Emitting Diodes: Theoretical Calculations, Charge Varieties, and High-Pressure Luminescence Analysis. ACS Applied Materials & Interfaces, 2017, 9, 23995-24004.	8.0	49
28	Inhomogeneous broadening of $\text{Cr}^{3+}$ luminescence in doped $\text{LiTaO}_3$ . Physical Review B, 2001, 63, .	3.2	47
29	Pressure-induced changes in the energetic structure of the $3d^3$ ions in solid matrices. Journal of Luminescence, 2007, 125, 97-103.	3.1	47
30	Theory of interconfigurational nonradiative transitions in transition-metal ions in solids and application to the $\text{Ti}^{3+}:\text{Al}_2\text{O}_3$ system. Physical Review B, 1993, 48, 5935-5944.	3.2	45
31	Spectroscopy and analysis of radiative and nonradiative processes in $\text{Ti}^{3+}:\text{Al}_2\text{O}_3$ crystals. Physical Review B, 1993, 48, 5922-5934.	3.2	45
32	High pressure spectroscopy of LLGG doped with $\text{Cr}^{3+}$ . Journal of Luminescence, 1994, 60-61, 223-226.	3.1	44
33	Luminescence properties of different Eu sites in $\text{LiMgPO}_4\text{:Eu}^{2+}$ , $\text{Eu}^{3+}$ . Journal of Physics Condensed Matter, 2014, 26, 385401.	1.8	44
34	The luminescence of $\text{CaWO}_4$ : Bi single crystals. Journal of Luminescence, 2006, 116, 43-51.	3.1	43
35	Multi-Site Cation Control of Ultra-Broadband Near-Infrared Phosphors for Application in Light-Emitting Diodes. Inorganic Chemistry, 2020, 59, 15101-15110.	4.0	42
36	Thermally Stable and Deep Red Luminescence of $\text{Sr}(\text{Ba})_2[\text{Mg}_2\text{Al}_2\text{N}_4\text{:Eu}^{2+}]$ ( $\chi = 0 \text{--} 1$ ) Phosphors for Solid State and Agricultural Lighting Applications. ACS Applied Materials & Interfaces, 2020, 12, 23165-23171.	8.0	42

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37	3 d 3 system – Comparison of Mn 4+ and Cr 3+ in different lattices. Optical Materials, 2017, 74, 93-100.	3.6	38
38	Surface-Protected High-Efficiency Nanophosphors via Space-Limited Ship-in-a-Bottle Synthesis for Broadband Near-Infrared Mini-Light-Emitting Diodes. ACS Energy Letters, 2021, 6, 659-664.	17.4	38
39	Photopyroelectric-quantum-yield spectroscopy and quantum-mechanical photoexcitation-decay kinetics of the Ti <sup>3+</sup> ion in Al <sub>2</sub> O <sub>3</sub> . Physical Review B, 1994, 49, 12496-12506.	3.2	37
40	Chemical Control of SrLi(Al <sub>1-x</sub> Ga <sub>x</sub> ) <sub>3</sub> N <sub>4</sub> :Eu <sup>2+</sup> Red Phosphors at Extreme Conditions for Application in Light-Emitting Diodes. Chemistry of Materials, 2019, 31, 4614-4618.	6.7	37
41	The coupling of 4T <sub>2</sub> and 2E states of the Cr <sup>3+</sup> ion in solid state materials. Journal of Luminescence, 1991, 50, 231-242.	3.1	35
42	Low-temperature high-pressure spectroscopy of lanthanum lutetium gallium garnet crystals doped with Cr <sup>3+</sup> and Nd <sup>3+</sup> . Physical Review B, 2002, 65, .	3.2	35
43	Excited states dynamics under high pressure in lanthanide-doped solids. Journal of Luminescence, 2011, 131, 433-437.	3.1	35
44	High pressure effect on charge transfer transition in Y <sub>2</sub> O <sub>2</sub> S:Eu <sup>3+</sup> . Optical Materials, 2014, 36, 1616-1621.	3.6	35
45	Excited state absorption in Cr <sup>3+</sup> -doped gahnite glass ceramics. Journal of Luminescence, 1998, 78, 135-146.	3.1	34
46	Spectroscopic characterisation of disordered materials doped with chromium. Optical Materials, 2002, 19, 37-45.	3.6	34
47	The effect of pressure on luminescence properties of Cr <sup>3+</sup> ions in LiSc(WO <sub>4</sub> ) <sub>2</sub> crystals – Part I: Pressure dependent emission lineshape. Journal of Luminescence, 2006, 116, 1-14.	3.1	34
48	High pressure spectroscopy of rare earth ions doped crystals – new results. Optical Materials, 2006, 28, 26-34.	3.6	34
49	Temperature effect on the emission spectra of narrow band Mn <sup>4+</sup> phosphors for application in LEDs. Physical Chemistry Chemical Physics, 2017, 19, 32505-32513.	2.8	33
50	Continuous function decay analysis of a multisite impurity activated solid. Optics Communications, 1998, 156, 409-418.	2.1	32
51	Spectral properties of LiTaO <sub>3</sub> :Pr <sup>3+</sup> under high hydrostatic pressure. Journal of Physics Condensed Matter, 2005, 17, 5381-5395.	1.8	32
52	High-Performance NaK <sub>2</sub> Li[Li <sub>3</sub> SiO <sub>4</sub> ] <sub>4</sub> :Eu Green Phosphor for Backlighting Light-Emitting Diodes. Chemistry of Materials, 2021, 33, 1893-1899.	6.7	31
53	Broadening of optical transitions in Cr <sup>3+</sup> -doped aluminosilicate glasses. Physical Review B, 1999, 59, 13712-13718.	3.2	30
54	Spectroscopic properties and location of the Ce <sup>3+</sup> energy levels in Y <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> and Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> at ambient and high hydrostatic pressure. Physical Chemistry Chemical Physics, 2016, 18, 6683-6690.	2.8	30

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55	Pressure effects on the luminescence properties of CaWO <sub>4</sub> :Pr <sup>3+</sup> . <i>Optical Materials</i> , 2012, 34, 2012-2016.	3.6	29
56	Pressure effect on the zero-phonon line emission of Mn <sup>4+</sup> in K <sub>2</sub> SiF <sub>6</sub> . <i>Journal of Chemical Physics</i> , 2015, 143, 134704.	3.0	29
57	Efficient Luminescence from CsPbBr <sub>3</sub> Nanoparticles Embedded in Cs <sub>4</sub> PbBr <sub>6</sub> . <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7637-7642.	4.6	29
58	Excited state absorption in the garnite glass ceramics and its parent glass doped with chromium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 54, 1725-1734.	3.9	28
59	Pressure dependence of the impurity-trapped exciton emission in BaF <sub>2</sub> :Eu and Ba <sub>x</sub> Sr <sub>1-x</sub> F <sub>2</sub> :Eu. <i>Physical Review B</i> , 2006, 74, .	3.2	27
60	Influence of charge transfer state on Eu <sup>3+</sup> luminescence in LaAlO <sub>3</sub> , by high pressure spectroscopy. <i>Optical Materials</i> , 2017, 63, 158-166.	3.6	27
61	Sol-gel glasses with enhanced luminescence of laser dye Rhodamine B due to plasmonic coupling by copper nanoparticles. <i>Optical Materials</i> , 2014, 36, 1611-1615.	3.6	26
62	Disentangling Red Emission and Compensatory Defects in Sr[LiAl <sub>3</sub> N <sub>4</sub> ]:Ce <sup>3+</sup> Phosphor. <i>Chemistry of Materials</i> , 2018, 30, 4493-4497.	6.7	26
63	Spectroscopic manifestation of a confinement-type lattice anharmonicity. <i>Physical Review B</i> , 1994, 50, 6504-6507.	3.2	25
64	Photoacoustic spectroscopy of YAG crystals doped with Ce. <i>Journal of Alloys and Compounds</i> , 2000, 300-301, 158-164.	5.5	25
65	EPR spectroscopy of the Cr <sup>3+</sup> centers in LLGG:Cr single crystals. <i>Journal of Alloys and Compounds</i> , 2003, 361, 6-12.	5.5	25
66	Luminescence of Ca(NbO <sub>3</sub> ) <sub>2</sub> :Pr <sup>3+</sup> at ambient and high hydrostatic pressure. <i>Journal of Luminescence</i> , 2009, 129, 1219-1224.	3.1	25
67	Influence of high pressure on Sr <sub>2</sub> SiO <sub>4</sub> :Eu <sup>2+</sup> luminescence. <i>Optical Materials</i> , 2012, 34, 2095-2100.	3.6	25
68	Energy Level Structure of Bi <sup>3+</sup> in Zircon and Scheelite Polymorphs of YVO <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2016, 120, 8261-8265.	3.1	25
69	Effect of Temperature and Pressure on Structural and Optical Properties of Organic-Inorganic Hybrid Manganese Halides. <i>Inorganic Chemistry</i> , 2022, 61, 2595-2602.	4.0	25
70	Excited state spectroscopy of the silica sol-gel glass activated by Cr <sup>5+</sup> and Cr <sup>6+</sup> ions. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 11553-11572.	1.8	24
71	Excited-state relaxation dynamics of Cr <sup>3+</sup> in YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . <i>Journal of Physics Condensed Matter</i> , 2002, 14, 5229-5237.	1.8	24
72	Evidence for existence of the trapped exciton states in Pr <sup>3+</sup> -doped LiNbO <sub>3</sub> crystal. <i>Optical Materials</i> , 2006, 28, 137-142.	3.6	24

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73	KMgF <sub>3</sub> :Eu <sup>2+</sup> as a new fluorescence-based pressure sensor for diamond anvil cell experiments. <i>Optical Materials</i> , 2018, 84, 99-102.	3.6	24
74	High Pressure Spectroscopy of Ce Doped Yag Crystal. <i>Radiation Effects and Defects in Solids</i> , 2003, 158, 39-47.	1.2	23
75	Pressure dependence of electron-phonon coupling in Ce <sup>3+</sup> -doped Gd <sub>3</sub> Sc <sub>2</sub> Al <sub>3</sub> O <sub>12</sub> garnet crystals. <i>Physical Review B</i> , 2004, 69, .	3.2	23
76	High pressure evolution of YVO <sub>4</sub> :Pr <sup>3+</sup> luminescence. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 105401.	1.8	23
77	Pressure effect on luminescence dynamics in Pr <sup>3+</sup> -doped LiNbO <sub>3</sub> and LiTaO <sub>3</sub> crystals. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 117-125.	1.8	22
78	High pressure luminescence spectra of CaMoO <sub>4</sub> :Ln <sup>3+</sup> (Ln = Pr, Tb). <i>Journal of Physics Condensed Matter</i> , 2013, 25, 105502.	1.8	22
79	High-pressure luminescence of Cr <sup>3+</sup> -doped CaO-Ga <sub>2</sub> O <sub>3</sub> -GeO <sub>2</sub> glasses. <i>Physical Review B</i> , 2002, 65, .	3.2	21
80	Photoacoustic and optical absorption spectroscopy studies of luminescent Cr <sup>3+</sup> and Cr <sup>4+</sup> centers in yttrium aluminum garnet. <i>Physical Review B</i> , 2003, 67, .	3.2	21
81	Pressure evolution of LiBaF <sub>3</sub> :Eu <sup>2+</sup> luminescence. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 235603.	1.8	21
82	Luminescence of CaWO <sub>4</sub> :Pr <sup>3+</sup> and CaWO <sub>4</sub> :Tb <sup>3+</sup> at ambient and high hydrostatic pressures. <i>Radiation Measurements</i> , 2013, 56, 1-5.	1.4	21
83	Luminescence dynamics in CaWO <sub>4</sub> :Pr <sup>3+</sup> powders and single crystals. <i>Journal of Luminescence</i> , 2016, 169, 450-453.	3.1	21
84	Bandwidth and time evolution of the Cr <sup>3+</sup> fluorescence in (Ca, Zr)-substituted Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> . <i>Journal of Luminescence</i> , 1993, 55, 303-314.	3.1	20
85	Substitutional disorder and the optical spectroscopy of gallogermanate crystals. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 3933-3946.	1.8	20
86	Q-switched nanosecond Nd <sup>3+</sup> :Ca(NbO <sub>3</sub> ) <sub>2</sub> crystalline self-Raman laser with single-step cascade SE ( $\lambda_{SE} = 1.0615 \mu\text{m}$ ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (of <sup>4</sup> )	1.4	20
87	conversion. <i>Laser Physics Letters</i> , 2009, 6, 782-787. High pressure and time-resolved luminescence spectra of Ca <sub>3</sub> Y <sub>2</sub> (SiO <sub>4</sub> ) <sub>3</sub> doped with Eu <sup>2+</sup> and Eu <sup>3+</sup> . <i>Journal of Physics Condensed Matter</i> , 2013, 25, 025603.	1.8	20
88	Luminescence Spectra of $\beta$ -SiAlON/Pr <sup>3+</sup> Under High Hydrostatic Pressure. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13181-13186.	3.1	20
89	Chemical and Mechanical Pressure-Induced Photoluminescence Tuning via Structural Evolution and Hydrostatic Pressure. <i>Chemistry of Materials</i> , 2021, 33, 3832-3840.	6.7	20
90	Luminescence kinetics and emission lifetime distribution of Cr <sup>3+</sup> -doped aluminosilicate glass. <i>Journal of Luminescence</i> , 2001, 92, 277-286.	3.1	19

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91	Spectroscopic properties of ZnWO <sub>4</sub> single crystal doped with Fe and Li impurities. Radiation Measurements, 2004, 38, 707-710.	1.4	19
92	Influence of hydrostatic pressure on radiative transition probability of the intrashell 4f transitions in Yb <sup>3+</sup> ions in lithium niobate crystals. Physical Review B, 2005, 72, .	3.2	18
93	Luminescent GeO <sub>2</sub> -Pb-Bi <sub>2</sub> O <sub>3</sub> glasses co-doped with Tb <sup>3+</sup> and Eu <sup>3+</sup> : Excitation energy transfer and color chromaticity. Optical Materials, 2014, 36, 633-638.	3.6	18
94	Stabilization of Eu <sup>3+</sup> under a reductive atmosphere by the Al <sup>3+</sup> co-doping of Sr <sub>2</sub> SiO <sub>4</sub> :Eu <sup>2+</sup> /Eu <sup>3+</sup> . RSC Advances, 2016, 6, 48001-48008.	3.6	18
95	Low and high field sites of Cr <sup>3+</sup> ions in calcium tetraborate glasses. Optical Materials, 2016, 59, 120-125.	3.6	18
96	Luminescence of LiBaF <sub>3</sub> and KMgF <sub>3</sub> doped with Eu <sup>2+</sup> . Journal of Non-Crystalline Solids, 2010, 356, 1888-1892.	3.1	17
97	Excited state absorption in chromium doped Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> glass. Journal of Physics Condensed Matter, 2001, 13, 2701-2716.	1.8	16
98	Luminescent spectroscopy of Eu <sup>2+</sup> centers in CsBr:Eu single crystals at 10-550K. Journal of Luminescence, 2004, 106, 313-320.	3.1	16
99	Luminescence of BAM under high pressure: the Eu <sup>2+</sup> sites. Journal of Luminescence, 2007, 122-123, 107-109.	3.1	16
100	Non-radiative processes and luminescence quenching in Mn <sup>4+</sup> doped phosphors. Journal of Luminescence, 2019, 214, 116574.	3.1	16
101	Hydrogen-Containing Na <sub>3</sub> HTi <sub>1-x</sub> MnxF <sub>8</sub> Narrow-Band Phosphor for Light-Emitting Diodes. ACS Energy Letters, 2019, 4, 527-533.	17.4	16
102	Optical spectroscopy and excited state absorption of the ZAS (ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> ) glass doped with chromium. Journal of Luminescence, 1999, 81, 301-312.	3.1	15
103	High pressure spectroscopy of Pr <sup>3+</sup> in LiNbO <sub>3</sub> . Journal of Alloys and Compounds, 2004, 380, 230-234.	5.5	15
104	energy transfer in (, ) doped with. Radiation Measurements, 2007, 42, 755-758.	1.4	15
105	Spectroscopic properties and location of the Tb <sup>3+</sup> and Eu <sup>3+</sup> energy levels in Y <sub>2</sub> O <sub>2</sub> S under high hydrostatic pressure. Physical Chemistry Chemical Physics, 2016, 18, 22266-22275.	2.8	15
106	The influence of substitutional disorder on non-radiative transitions in -doped gallogermanate crystals. Journal of Physics Condensed Matter, 1997, 9, 2815-2829.	1.8	14
107	High-pressure spectroscopy of LiNbO <sub>3</sub> :MgO,Cr <sup>3+</sup> crystals. Journal of Luminescence, 2000, 87-89, 571-573.	3.1	14
108	Pressure dependence of the 4f <sub>1</sub> 5d <sub>1</sub> → 4f <sub>2</sub> emission of Pr <sup>3+</sup> :YAG using excited state absorption. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 284-288.	0.8	14



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109	energy transfer in Ce <sup>3+</sup> -doped Y <sub>3-x</sub> Tb <sub>x</sub> Gd <sub>0.65Al<sub>0.5</sub>O<sub>12</sub>. Journal of Physics Condensed Matter, 2006, 18, 10531-10543.</sub>	1.8	14
110	Pressure dependence of the 3P <sub>0</sub> → <sup>3</sup> H <sub>4</sub> and 1D <sub>2</sub> → <sup>3</sup> H <sub>4</sub> emission in Pr <sup>3+</sup> :YAG. Journal of Luminescence, 2007, 122-123, 322-324.	3.1	14
111	White emitting phosphors based on glasses of the type 10AlF <sub>3</sub> •10TiO <sub>2</sub> •39PbO•30H <sub>3</sub> BO <sub>3</sub> •10SiO <sub>2</sub> •xEu <sub>2</sub> O <sub>3</sub> •(1-x)Tb <sub>2</sub> O <sub>3</sub> : An energy transfer study. Journal of Luminescence, 2015, 166, 54-59.		14
112	Broadband NaK <sub>2</sub> Li <sub>3</sub> SiO <sub>4</sub> :Ce Alkali Lithosilicate Blue Phosphors. Journal of Physical Chemistry Letters, 2020, 11, 6621-6625.	4.6	14
113	Luminescence and Luminescence Kinetics of Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> Polycrystals Doped with Cr <sup>3+</sup> and Pr <sup>3+</sup> . Acta Physica Polonica A, 2010, 117, 117-121.	0.5	14
114	Photoluminescence enhancement study in a Bi-doped Cs <sub>2</sub> AgInCl <sub>6</sub> double perovskite by pressure and temperature-dependent self-trapped exciton emission. Dalton Transactions, 2022, 51, 2026-2032.	3.3	14
115	Pressure and temperature dependence of the emission in BaF <sub>2</sub> :Eu and SrF <sub>2</sub> :Eu. Journal of Luminescence, 2008, 128, 715-717.	3.1	13
116	Time-resolved spectroscopy of intrinsic luminescence of Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> and (LaLu) <sub>3</sub> Lu <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> single crystals. Optical Materials, 2009, 31, 1835-1838.	3.6	13
117	Temperature and pressure dependence of the luminescence of Eu <sup>2+</sup> -doped fluoride crystals Ba <sub>x</sub> Sr <sub>1-x</sub> F <sub>2</sub> (x = 0, 0.3, 0.5 and 1): experiment and model. Journal of Physics Condensed Matter, 2009, 21, 245601.	1.8	13
118	High pressure spectroscopy study of SCF Tb <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Mn. Journal of Physics: Conference Series, 2010, 249, 012015.	0.4	13
119	Influence of high hydrostatic pressure on Eu <sup>2+</sup> -luminescence in KMgF <sub>3</sub> :Eu <sup>2+</sup> crystal. Journal of Luminescence, 2011, 131, 306-309.	3.1	13
120	Spectroscopic properties and energy level location of Eu <sup>2+</sup> in Sr <sub>2</sub> Si <sub>5</sub> N <sub>8</sub> phosphor. Optical Materials, 2014, 37, 734-739.	3.6	13
121	Optical properties of pure and Ce <sup>3+</sup> doped gadolinium gallium garnet crystals and epitaxial layers. Journal of Luminescence, 2015, 164, 31-37.	3.1	13
122	Improvement of the Water Resistance of a Narrow-Band Red-Emitting SrLiAl <sub>3</sub> N <sub>4</sub> :Eu <sup>2+</sup> Phosphor Synthesized under High Isostatic Pressure through Coating with an Organosilica Layer. Angewandte Chemie, 2016, 128, 9804-9808.	2.0	13
123	Structural phase transitions and photoluminescence properties of oxonitridosilicate phosphors under high hydrostatic pressure. Scientific Reports, 2016, 6, 34010.	3.3	13
124	Spectroscopy of lanthanum lutetium gallium garnet crystals doped with chromium. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 577.	2.1	12
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