

# Sebastian Mahlik

## List of Publications by Year in descending order

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106  
papers

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186265

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docs citations

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#	ARTICLE	IF	CITATIONS
1	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
2	Effect of Temperature and Pressure on Structural and Optical Properties of Organic-Inorganic Hybrid Manganese Halides. Inorganic Chemistry, 2022, 61, 2595-2602.	4.0	25
3	Mechanism of the Luminescence Enhancement of SrSi <sub>2</sub> N <sub>2</sub> O <sub>2</sub> :Eu <sup>2+</sup> Phosphor via Manganese Addition. Journal of Physical Chemistry C, 2022, 126, 5292-5301.	3.1	2
4	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
5	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
6	Dual-emission Eu-doped Ca <sub>2-x</sub> Sr <sub>x</sub> PN <sub>3</sub> nitridophosphate phosphors prepared by hot isostatic press. Journal of Materials Chemistry C, 2021, 9, 8158-8162.	5.5	1
7	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
8	Chemical and Mechanical Pressure-Induced Photoluminescence Tuning via Structural Evolution and Hydrostatic Pressure. Chemistry of Materials, 2021, 33, 3832-3840.	6.7	20
9	Formation and Near-Infrared Emission of CsPb <sub>3</sub> Nanoparticles Embedded in Cs <sub>4</sub> Pb <sub>6</sub> Crystals. ACS Applied Materials & Interfaces, 2021, 13, 34742-34751.	8.0	8
10	Linking Macro- and Micro-structural Analysis with Luminescence Control in Oxynitride Phosphors for Light-Emitting Diodes. Chemistry of Materials, 2021, 33, 7897-7904.	6.7	8
11	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
12	Chromium(III)-Doped Fluoride Phosphors with Broadband Infrared Emission for Light-Emitting Diodes. Inorganic Chemistry, 2020, 59, 376-385.	4.0	84
13	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
14	Ultra-high-efficiency near-infrared Ga <sub>2</sub> O <sub>3</sub> :Cr <sup>3+</sup> phosphor and controlling of phytochrome. Journal of Materials Chemistry C, 2020, 8, 11013-11017.	5.5	111
15	Broadband NaK <sub>2</sub> Li[Li <sub>3</sub> SiO <sub>4</sub> ] <sub>4</sub> :Ce Alkali Lithosilicate Blue Phosphors. Journal of Physical Chemistry Letters, 2020, 11, 6621-6625.	4.6	14
16	Efficient Luminescence from CsPbBr <sub>3</sub> Nanoparticles Embedded in Cs <sub>4</sub> PbBr <sub>6</sub> . Journal of Physical Chemistry Letters, 2020, 11, 7637-7642.	4.6	29
17	Study of persistent luminescence and thermoluminescence in SrSi <sub>2</sub> N <sub>2</sub> O <sub>2</sub> :Eu <sup>2+</sup> ,M <sup>3+</sup> (M = Ce, Dy, and Nd). Physical Chemistry Chemical Physics, 2020, 22, 17152-17159.	2.8	11
18	Properties of Charge Carrier Traps in Lu <sub>2</sub> O <sub>3</sub> :Tb,Hf Ceramic Storage Phosphors Observed by High-Pressure Spectroscopy and Photoconductivity. Journal of Physical Chemistry C, 2020, 124, 20340-20349.	3.1	12

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19	Penetrating Biological Tissue Using Light-Emitting Diodes with a Highly Efficient Near-Infrared ScBO <sub>3</sub> :Cr <sup>3+</sup> Phosphor. Chemistry of Materials, 2020, 32, 2166-2171.	6.7	142
20	Thermally Stable and Deep Red Luminescence of Sr <sub>1-x</sub> Ba <sub>x</sub> [Mg <sub>2</sub> Al <sub>2</sub> N <sub>4</sub> ]:Eu <sup>2+</sup> (x = 0-1) Phosphors for Solid State and Agricultural Lighting Applications. ACS Applied Materials & Interfaces, 2020, 12, 23165-23171.	8.0	42
21	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
22	Reply to the "Comment on "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" by Y. Wang, M. GÅowacki, M. Berkowski, A. KamiÅska and A. Suchocki, Phys. Chem. Chem. Phys., 2019, 21, DOI: 10.1039/C8CP06154H. Physical Chemistry Chemical Physics, 2019, 21, 2818-2820.	2.8	0
23	Chemical Control of SrLi(Al <sub>3</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
24	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of Sr(LiAl <sub>3</sub> ) <sub>3</sub> (SiMg <sub>3</sub> ) <sub>3</sub> N <sub>4</sub> :Eu <sup>2+</sup> Phosphors. Angewandte Chemie - International Edition, 2019, 58, 7767-7772.	23.8	57
25	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of Sr(LiAl <sub>3</sub> ) <sub>3</sub> (SiMg <sub>3</sub> ) <sub>x</sub> N <sub>4</sub> :Eu <sup>2+</sup> Phosphors. Angewandte Chemie, 2019, 131, 7849-7854.	2.0	6
26	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
27	Spectroscopic properties of high-temperature sintered SrS:0.05%Ce <sup>3+</sup> under high hydrostatic pressure. Physical Chemistry Chemical Physics, 2018, 20, 10266-10274.	2.8	5
28	Control of Luminescence by Tuning of Crystal Symmetry and Local Structure in Mn <sup>4+</sup> -Activated Narrow Band Fluoride Phosphors. Angewandte Chemie - International Edition, 2018, 57, 1797-1801.	13.8	93
29	Control of Luminescence by Tuning of Crystal Symmetry and Local Structure in Mn <sup>4+</sup> -Activated Narrow Band Fluoride Phosphors. Angewandte Chemie, 2018, 130, 1815-1819.	2.0	9
30	Thermal stabilization and energy transfer in narrow-band red-emitting Sr[(Mg <sub>2</sub> Al <sub>2</sub> ) <sub>3</sub> (Li <sub>2</sub> Si <sub>2</sub> ) <sub>y</sub> N <sub>4</sub> ]:Eu <sup>2+</sup> Journal of Materials Chemistry C, 2018, 6, 5975-5983.	6.7	26
31	Thermal quenching of Ce <sup>3+</sup> luminescence in the cuspidine-type oxide nitride compounds Y <sub>4</sub> Si <sub>2</sub> xAlxO <sub>7</sub> +xN <sub>2</sub> x. Journal of Luminescence, 2018, 193, 125-132.	3.1	7
32	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
33	KMgF <sub>3</sub> :Eu <sup>2+</sup> as a new fluorescence-based pressure sensor for diamond anvil cell experiments. Optical Materials, 2018, 84, 99-102.	3.6	24
34	Disentangling Red Emission and Compensatory Defects in Sr[LiAl <sub>3</sub> N <sub>4</sub> ]:Ce <sup>3+</sup> Phosphor. Chemistry of Materials, 2018, 30, 4493-4497.	6.7	26
35	Comparison of quenching mechanisms in Gd <sub>3</sub> Al <sub>5</sub> xGaxO <sub>12</sub> :Ce <sup>3+</sup> (x = 3 and 5) garnet phosphors by photocurrent excitation spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 18380-18390.	2.8	12
36	High Color Rendering Index of Rb <sub>2</sub> GeF <sub>6</sub> :Mn <sup>4+</sup> for Light-Emitting Diodes. Chemistry of Materials, 2017, 29, 935-939.	6.7	172

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37	Experimental and first-principles studies of high-pressure effects on the structural, electronic, and optical properties of semiconductors and lanthanide doped solids. Japanese Journal of Applied Physics, 2017, 56, 05FA02.	1.5	7
38	Luminescence quenching in KYb(WO <sub>4</sub> ) <sub>2</sub> -Tb <sup>3+</sup> : An example of temperature-pressure equivalence. Journal of Luminescence, 2017, 191, 18-21.	3.1	10
39	Pressure-induced luminescence quenching in KY(WO <sub>4</sub> ) <sub>2</sub> :Pr <sup>3+</sup> . Optical Materials, 2017, 74, 41-45.	3.6	5
40	3 d 3 system “ Comparison of Mn <sup>4+</sup> and Cr <sup>3+</sup> in different lattices. Optical Materials, 2017, 74, 93-100.	3.6	38
41	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
42	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
43	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
44	Influence of charge transfer state on Eu <sup>3+</sup> luminescence in LaAlO <sub>3</sub> , by high pressure spectroscopy. Optical Materials, 2017, 63, 158-166.	3.6	27
45	Dopant Concentration Induced Optical Changes in Ca,Eu- $\hat{\Gamma}^2$ -Sialon. Crystals, 2017, 7, 342.	2.2	4
46	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
47	Energy Level Structure of Bi <sup>3+</sup> in Zircon and Scheelite Polymorphs of YVO <sub>4</sub> . Journal of Physical Chemistry C, 2016, 120, 8261-8265.	3.1	25
48	Narrow Red Emission Band Fluoride Phosphor KNaSiF <sub>6</sub> :Mn <sup>4+</sup> for Warm White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 11194-11203.	8.0	228
49	Green Light-Excitable Ce-Doped Nitridomagnesoaluminate Sr[Mg <sub>2</sub> Al <sub>2</sub> N <sub>4</sub> ] Phosphor for White Light-Emitting Diodes. Chemistry of Materials, 2016, 28, 6822-6825.	6.7	138
50	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 - International Edition, 2016, 55, 9652-9656.	13.8	63
51	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
52	Structural phase transitions and photoluminescence properties of oxonitridosilicate phosphors under high hydrostatic pressure. Scientific Reports, 2016, 6, 34010.	3.3	13
53	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
54	Spectroscopic properties of the Ce-doped borate glasses. Optical Materials, 2016, 59, 20-27.	3.6	38

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55	Evolution of the optical properties of chromium doped calcium tetraborate glass under high pressure. <i>Journal of Luminescence</i> , 2016, 177, 111-118.	3.1	6
56	Intensification of luminescence of Europium-EDTA complex in polyvinyl pyrrolidone films by copper nanoparticles. <i>Optical Materials</i> , 2016, 59, 3-7.	3.6	9
57	Luminescence properties of MgF <sub>2</sub> :Yb <sup>2+</sup> at high hydrostatic pressure. <i>Journal of Luminescence</i> , 2016, 169, 788-793.	3.1	8
58	Low and high field sites of Cr <sup>3+</sup> ions in calcium tetraborate glasses. <i>Optical Materials</i> , 2016, 59, 120-125.	3.6	18
59	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. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6683-6690.	2.8	30
60	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
61	Energy levels in CaWO <sub>4</sub> :Tb <sup>3+</sup> at high pressure. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 32341-32346.	2.8	16
62	Pressure dependence of the Sr <sub>2</sub> Si <sub>5</sub> N <sub>8</sub> :Eu <sup>2+</sup> luminescence. <i>Journal of Luminescence</i> , 2015, 159, 183-187.	3.1	7
63	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. <i>Journal of Luminescence</i> , 2015, 166, 54-59.		14
64	Optical processes in YVO <sub>4</sub> :Eu <sup>3+</sup> across zircon-to-scheelite phase transition. <i>Journal of Luminescence</i> , 2015, 165, 19-22.	3.1	8
65	Pressure dependence of the emission in CaF <sub>2</sub> :Yb <sup>2+</sup> . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 305501.	1.8	2
66	Optical properties of pure and Ce <sup>3+</sup> doped gadolinium gallium garnet crystals and epitaxial layers. <i>Journal of Luminescence</i> , 2015, 164, 31-37.	3.1	13
67	Temperature evolution of the luminescence decay of Sr <sub>0.33</sub> Ba <sub>0.67</sub> Nb <sub>2</sub> O <sub>6</sub> : Pr <sup>3+</sup> . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 165502.	1.8	4
68	Aggregation of Rhodamine 6G in titanium dioxide nanolayers and bulk xerogels. <i>Optical Materials</i> , 2014, 36, 1694-1697.	3.6	1
69	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
70	Charge transfer and europium trapped exciton states in Eu <sup>3+</sup> /Eu <sup>2+</sup> doped phosphors. , 2014, , .		1
71	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. <i>Optical Materials</i> , 2014, 37, 734-739.	3.6	13
72	Luminescence properties of different Eu sites in LiMgPO <sub>4</sub> :Eu <sup>2+</sup> , Eu <sup>3+</sup> . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 385401.	1.8	44

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73	Pressure evolution of luminescence in Sr Ba <sub>1-x</sub> (NbO <sub>2</sub> ) <sub>3</sub> :Pr <sup>3+</sup> (x=1/2 and 1/3). Journal of Luminescence, 2014, 152, 62-65.	3.1	10
74	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
75	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
76	Binding energies of Eu <sup>2+</sup> and Eu <sup>3+</sup> ions in $\hat{\Gamma}^2$ -Ca <sub>2</sub> SiO <sub>4</sub> doped with europium. Optical Materials, 2013, 35, 2107-2114.	3.6	56
77	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> . Journal of Physics Condensed Matter, 2013, 25, 025603.	1.8	20
78	Impurity trapped exciton states related to rare earth ions in crystals under high hydrostatic pressure. Crystallography Reports, 2013, 58, 139-143.	0.6	7
79	Luminescence Spectra of $\hat{\Gamma}^2$ -SiAlON/Pr <sup>3+</sup> Under High Hydrostatic Pressure. Journal of Physical Chemistry C, 2013, 117, 13181-13186.	3.1	20
80	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. Radiation Measurements, 2013, 56, 1-5.	1.4	21
81	High pressure luminescence spectra of CaMoO <sub>4</sub> :Ln <sup>3+</sup> (Ln = Pr, Tb). Journal of Physics Condensed Matter, 2013, 25, 105502.	1.8	22
82	New Pr <sup>3+</sup> site in $\hat{\Gamma}^2$ -SiAlON red phosphor. Optical Materials, 2013, 35, 2001-2005.	3.6	11
83	Time evolution of luminescence of Sr <sub>2</sub> SiO <sub>4</sub> :Eu <sup>2+</sup> . Journal of Physics Condensed Matter, 2013, 25, 425501.	1.8	2
84	Luminescence of Gd <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> :Ln <sup>3+</sup> at ambient and high hydrostatic pressure. Journal of Physics Condensed Matter, 2012, 24, 485501.	1.8	12
85	Pressure effects on the luminescence properties of CaWO <sub>4</sub> :Pr <sup>3+</sup> . Optical Materials, 2012, 34, 2012-2016.	3.6	29
86	Pressure-induced phase transition in LiLuF <sub>4</sub> :Pr <sup>3+</sup> investigated by an optical technique. Journal of Physics Condensed Matter, 2012, 24, 115502.	1.8	8
87	High pressure luminescence spectra of CaMoO <sub>4</sub> :Pr <sup>3+</sup> . Journal of Physics Condensed Matter, 2012, 24, 215402.	1.8	11
88	High pressure luminescence and time resolved spectra of La <sub>2</sub> Be <sub>2</sub> O <sub>5</sub> :Pr <sup>3+</sup> . Optical Materials, 2011, 34, 164-168.	3.6	8
89	High pressure and time resolved luminescence spectra of Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> :Pr <sup>3+</sup> crystal. Optical Materials, 2011, 33, 1525-1529.	3.6	9
90	Low temperature luminescence of KMgF <sub>3</sub> :Eu <sup>2+</sup> crystal. Optical Materials, 2011, 33, 996-999.	3.6	4

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91	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
92	New Eu <sup>2+</sup> -sites in KMgF <sub>3</sub> :Eu <sup>2+</sup> crystal. Journal of Physics Condensed Matter, 2011, 23, 035404.	1.8	3
93	High pressure luminescence and time resolved spectra of LiNbO <sub>3</sub> :Pr <sup>3+</sup> . Photonics Letters of Poland, 2011, 3, .	0.4	0
94	Luminescence of Ca(NbO <sub>3</sub> ) <sub>2</sub> :Pr <sup>3+</sup> : Pr <sup>3+</sup> and self-trapped exciton emission. Radiation Measurements, 2010, 45, 288-291.	1.4	10
95	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
96	Luminescence and Luminescence Kinetics of Gd <sub>3</sub> Ca <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
97	High pressure evolution of YVO <sub>4</sub> :Pr <sup>3+</sup> luminescence. Journal of Physics Condensed Matter, 2009, 21, 105401.	1.8	23
98	High pressure luminescence of $YVO_4:Pr^{3+}$ luminescence. Journal of Physics Condensed Matter, 2009, 21, 105401.	1.2	2
99	Tb <sup>3+</sup> ions in presence of ZnS:Mn <sup>2+</sup> nanocrystals immobilized on silica: Energy transfer ZnS <sup>†</sup> Tb <sup>3+</sup> and coordination state of Mn <sup>2+</sup> ions. Journal of Luminescence, 2009, 129, 246-250.	3.1	7
100	Luminescence of Ca(NbO <sub>3</sub> ) <sub>2</sub> :Pr <sup>3+</sup> at ambient and high hydrostatic pressure. Journal of Luminescence, 2009, 129, 1219-1224.	3.1	25
101	Pressure evolution of LiBaF <sub>3</sub> :Eu <sup>2+</sup> -luminescence. Journal of Physics Condensed Matter, 2009, 21, 235603.	1.8	21
102	Temperature and pressure dependence of the luminescence of Eu <sup>2+</sup> -doped fluoride crystals Ba <sub>1-x</sub> Sr <sub>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
103	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
104	Luminescence kinetics in silica gel doped with Tb <sup>3+</sup> ions and ZnS:Mn <sup>2+</sup> nanocrystals. Journal of Luminescence, 2008, 128, 921-923.	3.1	12
105	Tb <sup>3+</sup> ions in the presence of ZnS:Mn <sup>2+</sup> nanocrystals incorporated into silica: Tb <sup>3+</sup> and Mn <sup>2+</sup> luminescence kinetics. Optical Materials, 2008, 30, 719-721.	3.6	4
106	Impurity-trapped excitons: Experimental evidence and theoretical concept. Journal of Non-Crystalline Solids, 2008, 354, 4163-4169.	3.1	50