

Agata Lazarowska

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Green Light-Excitable Ce-Doped Nitridomagnesoaluminate Sr[Mg ₂ Al ₂ N ₄] Phosphor for White Light-Emitting Diodes. Chemistry of Materials, 2016, 28, 6822-6825.	6.7	138
2	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
3	Improvement of the Water Resistance of a Narrow-Band Red-Emitting SrLiAl ₃ N ₄ :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
4	Controlling of Structural Ordering and Rigidity of β -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
5	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of Sr(LiAl ₃) _{1-x} (SiMg ₃) _x N ₄ :Eu ²⁺ Phosphors. Angewandte Chemie - International Edition, 2019, 58, 7767-7772.	23.8	57
6	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
7	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. Physical Chemistry Chemical Physics, 2016, 18, 6683-6690.	2.8	30
8	Pressure effect on the zero-phonon line emission of Mn ⁴⁺ in K ₂ SiF ₆ . Journal of Chemical Physics, 2015, 143, 134704.	3.0	29
9	Efficient Luminescence from CsPbBr ₃ Nanoparticles Embedded in Cs ₄ PbBr ₆ . Journal of Physical Chemistry Letters, 2020, 11, 7637-7642.	4.6	29
10	Disentangling Red Emission and Compensatory Defects in Sr[LiAl ₃ N ₄]:Ce ³⁺ Phosphor. Chemistry of Materials, 2018, 30, 4493-4497.	6.7	26
11	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
12	Luminescence Spectra of β -SiAlON/Pr ³⁺ Under High Hydrostatic Pressure. Journal of Physical Chemistry C, 2013, 117, 13181-13186.	3.1	20
13	Photoluminescence enhancement study in a Bi-doped Cs ₂ AgInCl ₆ double perovskite by pressure and temperature-dependent self-trapped exciton emission. Dalton Transactions, 2022, 51, 2026-2032.	3.3	14
14	Spectroscopic properties and energy level location of Eu ²⁺ in Sr ₂ Si ₅ N ₈ phosphor. Optical Materials, 2014, 37, 734-739.	3.6	13
15	Improvement of the Water Resistance of a Narrow-Band Red-Emitting SrLiAl ₃ N ₄ :Eu ²⁺ Phosphor Synthesized under High Isostatic Pressure through Coating with an Organosilica Layer. Angewandte Chemie, 2016, 128, 9804-9808.	2.0	13
16	Structural phase transitions and photoluminescence properties of oxonitridosilicate phosphors under high hydrostatic pressure. Scientific Reports, 2016, 6, 34010.	3.3	13
17	Luminescence of Gd ₂ (WO ₄) ₃ :Ln ³⁺ at ambient and high hydrostatic pressure. Journal of Physics Condensed Matter, 2012, 24, 485501.	1.8	12
18	Spectroscopic studies of inclusion complexes of methyl-p-dimethylaminobenzoate and its ortho derivative with β - and γ -cyclodextrins. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 481-489.	3.9	12

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19	New Pr ³⁺ site in $\hat{1}^2$ -SiAlON red phosphor. <i>Optical Materials</i> , 2013, 35, 2001-2005.	3.6	11
20	Pressure evolution of luminescence in Sr Ba $1\hat{1}^{\sim}$ (NbO ₂) ₃ :Pr ³⁺ (x=1/2 and 1/3). <i>Journal of Luminescence</i> , 2014, 152, 62-65.	3.1	10
21	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
22	The influence of charge compensation defects on the spectroscopic properties of europium doped Ca ₉ Y(PO ₄) ₇ . <i>RSC Advances</i> , 2017, 7, 40549-40557.	3.6	9
23	Pressure-induced phase transition in LiLuF ₄ :Pr ³⁺ investigated by an optical technique. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 115502.	1.8	8
24	Optical processes in YVO ₄ :Eu ³⁺ across zircon-to-scheelite phase transition. <i>Journal of Luminescence</i> , 2015, 165, 19-22.	3.1	8
25	Luminescence properties of MgF ₂ :Yb ²⁺ at high hydrostatic pressure. <i>Journal of Luminescence</i> , 2016, 169, 788-793.	3.1	8
26	Pressure dependence of the Sr ₂ Si ₅ N ₈ :Eu ²⁺ luminescence. <i>Journal of Luminescence</i> , 2015, 159, 183-187.	3.1	7
27	Thermal stabilization and energy transfer in narrow-band red-emitting Sr[(Mg ₂ Al ₂) ₁ ^y (Li ₂ Si ₂) _y N ₄]:Eu ²⁺ . <i>Journal of Materials Chemistry C</i> , 2018, 6, 5975-5983.		
28	Thermal quenching of Ce ³⁺ luminescence in the cuspidine-type oxide nitride compounds Y ₄ Si ₂ ^x Al _x O ₇ +xN ₂ ^x . <i>Journal of Luminescence</i> , 2018, 193, 125-132.	3.1	7
29	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of Sr(LiAl ₃) ₁ ^x (SiMg ₃) _x N ₄ :Eu ²⁺ Phosphors. <i>Angewandte Chemie</i> , 2019, 131, 7849-7854.	2.0	6
30	Energetic structure of Sm ³⁺ luminescence centers in Sr ₂ TiO ₄ . <i>Dalton Transactions</i> , 2022, 51, 3713-3720.	3.3	6
31	Temperature evolution of the luminescence decay of Sr _{0.33} Ba _{0.67} Nb ₂ O ₆ : Pr ³⁺ . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 165502.	1.8	4
32	Dopant Concentration Induced Optical Changes in Ca,Eu- $\hat{1}^2$ -Sialon. <i>Crystals</i> , 2017, 7, 342.	2.2	4
33	Optical properties of Eu(III) and Tb(III) complexes with pyridine- and quinoline- based ligands under high hydrostatic pressure. <i>Inorganica Chimica Acta</i> , 2020, 499, 119179.	2.4	4
34	The influence of Si ⁴⁺ co-doping on the spectroscopic properties of $\hat{1}^2$ -NaCaPO ₄ :Eu ²⁺ /Eu ³⁺ . <i>New Journal of Chemistry</i> , 2019, 43, 3409-3418.	2.8	4
35	Synergetic effect-triggered performance promotion of Sr $3\hat{1}^{\sim}$ xBa _x P ₅ N ₁₀ Cl:Eu ²⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12063-12067.	5.5	3
36	Pressure dependence of the emission in CaF ₂ :Yb ²⁺ . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 305501.	1.8	2

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37	Reply to the "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 Y. Wang, M. Głowacki, M. Berkowski, A. Kamińska and A. Suchocki, Phys. Chem. Chem. Phys., 2019, 21, DOI: 10.1039/C8CP06154H. Physical Chemistry Chemical Physics, 2019, 21, 2818-2820.	2.8	0
38	High pressure luminescence and time resolved spectra of LiNbO ₃ :Pr ³⁺ . Photonics Letters of Poland, 2011, 3, .	0.4	0