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List of Publications by Year in descending order

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430874

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#	ARTICLE	IF	CITATIONS
1	Chromium in lead metasilicate glass: Solubility, valence, and local environment via multiple spectroscopy. <i>Ceramics International</i> , 2022, 48, 173-178.	4.8	1
2	Effects of rare-earth doping and reduction processes in LiCaPO ₄ compound: A computer simulation study. <i>Journal of Solid State Chemistry</i> , 2022, 306, 122769.	2.9	1
3	Mechanisms and dynamics of energy transfer sensitization in the Eu ³⁺ , Cr ³⁺ and Fe ³⁺ ions in the LiAl ₅ O ₈ phosphors. <i>Optical Materials</i> , 2022, 128, 112420.	3.6	3
4	Computer modelling of RbCdF ₃ : Structural and mechanical properties under high pressure, defect disorder and spectroscopic study. <i>Journal of Solid State Chemistry</i> , 2022, 312, 123173.	2.9	2
5	Unveiling photoluminescent response of Ce-doped CaCu ₃ Ti ₄ O ₁₂ : An experimental-theoretical approach. <i>Journal of Alloys and Compounds</i> , 2022, 923, 166185.	5.5	4
6	Tunable photoluminescence of CaCu ₃ Ti ₄ O ₁₂ based ceramics modified with tungsten. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156652.	5.5	19
7	Effect of terbium and silver co-doping on the enhancement of photoluminescence in CaSO ₄ phosphors. <i>Optical Materials</i> , 2021, 111, 110717.	3.6	3
8	Effect of Dopant Concentrations on the Luminescent Properties of LiAl ₅ O ₈ :Fe Phosphors. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000584.	1.5	3
9	Atomistic simulation and spectroscopy study of the Eu-doped NaCdPO ₄ compound. <i>Optical Materials</i> , 2021, 113, 110821.	3.6	6
10	The Trivalent Rare-Earth Dopant in the KBaPO ₄ and KSrPO ₄ Compounds: An Atomistic Simulation Study. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000620.	1.5	1
11	Improving the luminescence properties of YAG:Ce ³⁺ phosphors by co-doping Sr ²⁺ ions. <i>Optik</i> , 2021, 231, 166363.	2.9	4
12	Sustainable preparation of ixora flower-like shaped luminescent powder by recycling crab shell biowaste. <i>Optik</i> , 2021, 235, 166636.	2.9	3
13	Laser sintering and influence of the Dy concentration on BaAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ persistent luminescence ceramics. <i>Journal of the European Ceramic Society</i> , 2021, 41, 3629-3634.	5.7	9
14	Influence of Ca ²⁺ co-doping on the luminescence properties of Eu doped Y ₃ Al ₅ O ₁₂ phosphors. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 154, 110041.	4.0	6
15	ParamGULP: An efficient Python code for obtaining interatomic potential parameters for General Utility Lattice Program. <i>Computer Physics Communications</i> , 2021, 265, 107996.	7.5	2
16	Optical spectroscopy study of Eu-doped ions in BaAl ₂ O ₄ phosphors. <i>Journal of Luminescence</i> , 2021, 236, 118011.	3.1	2
17	Effect of chemical and hydrostatic pressures on the structural and mechanical properties of orthorhombic rare-earth RNiO ₃ . <i>Computational Materials Science</i> , 2021, 197, 110691.	3.0	3
18	Theoretical and computational investigation of the Eu ³⁺ ion local symmetry in fluorides compounds. <i>Journal of Luminescence</i> , 2021, 238, 118297.	3.1	4

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37	Rare Earth Doping and Co-Doping in Lithium Strontium Silicate: A Computational Study. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900024.	1.5	0
38	Effect of strontium co-doping on luminescent properties of Eu-doped YAG phosphors. <i>Optik</i> , 2019, 185, 847-851.	2.9	3
39	Investigation of Europium dopant in the orthophosphate $KMPO_4$ ($M = Ba$ and Sr) compounds. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 130, 282-289.	4.0	15
40	Effect of the amounts of Li^+ additive on the luminescence properties of $LiBaPO_4:Eu$ phosphor. <i>Optical Materials</i> , 2019, 89, 329-333.	3.6	11
41	Structural and photoluminescence properties of Eu^{3+} -doped $(Y_{2.99-x}Gd_x)Al_5O_{12}$ phosphors under vacuum ultraviolet and ultraviolet excitation. <i>Materials Chemistry and Physics</i> , 2019, 228, 9-14.	4.0	2
42	Structural, microstructural, and luminescent properties of laser-sintered Eu-doped YAG ceramics. <i>Optical Materials</i> , 2019, 89, 334-339.	3.6	13
43	Vibrational properties and infrared dielectric features of Gd_2CoMnO_6 and Y_2CoMnO_6 double perovskites. <i>Ceramics International</i> , 2019, 45, 4756-4762.	4.8	17
44	Atomistic simulation study of the ferroelectric and paraelectric phases of the hexagonal $RMnO_3$ ($R = Tl, ET, Qq, O, O, rg, BT, Overlock, 10, Tf$)	2.9	10
45	Co-doping effect of Ca^{2+} on luminescent properties of $BaAl_2O_4:Eu^{3+}$ phosphors. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2018, 225, 62-65.	1.7	5
46	X-ray excited optical luminescence changes induced by excess/deficiency lithium ions in rare earth doped $LiAl_5O_8$. <i>Journal of Luminescence</i> , 2018, 199, 298-301.	3.1	13
47	Effect of europium concentration on its distribution in the host sites of lithium tantalite. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 112, 158-162.	4.0	7
48	Effects of X-ray irradiation on the $Eu^{3+} \rightarrow Eu^{2+}$ conversion in $CaAl_2O_4$ phosphors. <i>Optical Materials</i> , 2018, 75, 122-126.	3.6	15
49	Electrical characterization of $BaTiO_3$ and $Ba_{0.77}Ca_{0.23}TiO_3$ ceramics synthesized by the proteic sol-gel method. <i>Ceramics International</i> , 2018, 44, 15526-15530.	4.8	15
50	A computational and spectroscopic study of Dy^{3+} doped $BaAl_2O_4$ phosphors. <i>Optical Materials</i> , 2018, 83, 328-332.	3.6	7
51	Effects of X-ray irradiation on the luminescent properties of Eu-doped $LiSrPO_4$ phosphors produced using the sol-gel method with glucose. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 113, 26-30.	4.0	13
52	In situ investigation of Ba-substitution effect on the $Eu^{3+} \rightarrow Eu^{2+}$ conversion in $SrAl_2O_4:Eu$ phosphor. <i>Journal of Alloys and Compounds</i> , 2017, 708, 79-83.	5.5	15
53	Production of Eu-doped $BaAl_2O_4$ at low temperature via an alternative sol-gel method using PVA as complexing agent. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 102, 74-78.	4.0	8
54	Doping disorder and the reduction-doping process in $LiSrPO_4$. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27731-27738.	2.8	11

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55	The effects of cooling rate on the structure and luminescent properties of undoped and doped SrAl ₂ O ₄ phosphors. <i>Optical Materials</i> , 2017, 72, 71-77.	3.6	10
56	Laser sintering of persistent luminescent CaAl ₂ O ₄ :Eu ²⁺ +Dy ³⁺ ceramics. <i>Optical Materials</i> , 2017, 68, 2-6.	3.6	27
57	Doping effect on the structural properties of Cu _{1-x} (Ni, Zn, Al and Fe) _x O samples (0<x<0.10): An experimental and computational study. <i>Journal of Solid State Chemistry</i> , 2016, 241, 26-29.	2.9	1
58	The impact of the synthesis conditions on SrAl ₂ O ₄ :Eu, Dy formation for a persistent afterglow. <i>Materials and Design</i> , 2016, 108, 354-363.	7.0	33
59	Eu doping and reduction into barium orthophosphates. <i>Optical Materials</i> , 2016, 58, 136-141.	3.6	18
60	Effect of the PVA (polyvinyl alcohol) concentration on the optical properties of Eu-doped YAG phosphors. <i>Optical Materials</i> , 2016, 60, 495-500.	3.6	17
61	Effect of lithium excess on the LiAl ₅ O ₈ :Eu luminescent properties under VUV excitation. <i>Optical Materials Express</i> , 2016, 6, 2871.	3.0	22
62	Atomistic simulation of trivalent ions doped in the hexagonal LuMnO ₃ ferroelectric phase. <i>Journal of Alloys and Compounds</i> , 2016, 689, 977-982.	5.5	8
63	Mechanism of X-ray excited optical luminescence (XEOL) in europium doped BaAl ₂ O ₄ phosphor. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17646-17654.	2.8	37
64	Atomistic simulation and XAS investigation of Mn induced defects in Bi ₁₂ TiO ₂₀ . <i>Journal of Solid State Chemistry</i> , 2016, 238, 210-216.	2.9	6
65	Structural order, magnetic and intrinsic dielectric properties of magnetoelectric La ₂ CoMnO ₆ . <i>Journal of Alloys and Compounds</i> , 2016, 661, 541-552.	5.5	38
66	X-ray excited optical luminescence of Eu-doped YAG nanophosphors produced via glucose sol-gel route. <i>Ceramics International</i> , 2016, 42, 10516-10519.	4.8	13
67	Ba-doping effects on structural, magnetic and vibrational properties of disordered La ₂ NiMnO ₆ . <i>Journal of Alloys and Compounds</i> , 2016, 663, 899-905.	5.5	33
68	Influence of calcium substitution on defect disorder in barium titanate by atomistic simulation. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2016, 24, 015001.	2.0	7
69	Radioluminescence enhancement in Eu ³⁺ -doped Y ₃ Al ₅ O ₁₂ phosphors by Ga substitution. <i>Optical Materials</i> , 2015, 46, 530-535.	3.6	17
70	Optical properties of Pr and Eu-doped SrAl ₁₂ O ₁₉ : A theoretical study. <i>Optical Materials</i> , 2015, 48, 105-109.	3.6	11
71	Optical spectroscopy study of YVO ₄ :Eu ³⁺ nanopowders prepared by the proteic sol-gel route. <i>Solid State Sciences</i> , 2015, 42, 45-51.	3.2	13
72	Study of Eu ³⁺ →Eu ²⁺ reduction in BaAl ₂ O ₄ :Eu prepared in different gas atmospheres. <i>Materials Research Bulletin</i> , 2015, 61, 348-351.	5.2	27

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73	Mechanism of luminescent enhancement in Ba ₂ GdNbO ₆ :Eu ³⁺ perovskite by Li ⁺ co-doping. Journal of Luminescence, 2015, 158, 75-80.	3.1	8
74	Atomistic Simulation of Intrinsic Defects and Trivalent and Tetravalent Ion Doping in Hydroxyapatite. Advances in Condensed Matter Physics, 2014, 2014, 1-8.	1.1	17
75	Influence of co-dopant in the europium reduction in SrAl ₂ O ₄ host. Journal of Synchrotron Radiation, 2014, 21, 143-148.	2.4	25
76	Optical properties of Pr-doped BaY ₂ F ₈ . Journal of Applied Physics, 2014, 116, .	2.5	5
77	The effect of the host composition on the lifetime decay properties of barium/strontium aluminates compounds. Journal of Applied Physics, 2014, 115, 103510.	2.5	13
78	Pressure dependence of dielectric constant, elastic constants, and lattice parameters of the Y ₃ (Ga,Al) ₅ O ₁₂ host. Journal of Physics and Chemistry of Solids, 2014, 75, 1113-1118.	4.0	9
79	Mechanisms of radioluminescence of rare earths doped SrAl ₂ O ₄ and Ca ₁₂ Al ₁₄ O ₃₃ excited by X-ray. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 39-44.	1.7	24
80	Study of surfaces and morphologies of proteic sol-gel derived barium aluminate nanopowders: An experimental and computational study. Materials Chemistry and Physics, 2012, 136, 1052-1059.	4.0	21
81	The optical properties of Eu ³⁺ doped BaAl ₂ O ₄ : A computational and spectroscopic study. Optical Materials, 2012, 34, 1434-1439.	3.6	35
82	Spectroscopy study of SrAl ₂ O ₄ :Eu ³⁺ . Journal of Luminescence, 2012, 132, 1015-1020.	3.1	32
83	X-ray excited optical luminescence of Ce-doped BaAl ₂ O ₄ . Journal of Luminescence, 2012, 132, 1106-1111.	3.1	22
84	Modelling the concentration dependence of rare earth doping in inorganic materials for optical applications: Application to rare earth doped barium aluminate. Optical Materials, 2011, 34, 109-118.	3.6	22
85	Computer modelling of the reduction of rare earth dopants in barium aluminate. Journal of Solid State Chemistry, 2011, 184, 1903-1908.	2.9	9
86	Intrinsic Defects in Strontium Aluminates studied via Computer Simulation Technique. Journal of Physics: Conference Series, 2010, 249, 012042.	0.4	8
87	Optical properties of rare-earth doped Sr ₃ Al ₂ O ₆ . Optical Materials, 2010, 32, 1341-1344.	3.6	14