

Mã;rio Ernesto G Valerio

List of Publications by Year in descending order

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151
papers

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236612

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152
docs citations

152
times ranked

1776
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of CdWO ₄ -polystyrene scintillator composites for X-ray detection in imaging systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1025, 166196.	0.7	4
2	Defects in MgB ₄ O ₇ (pure and doped with lanthanides): A case study using a computational modelling approach. Physica B: Condensed Matter, 2022, 640, 414049.	1.3	4
3	One-step synthesis of YF ₃ :Nd rod-like particles for contactless luminescent thermometers. Optical Materials, 2022, 131, 112661.	1.7	4
4	Photoluminescent properties of BaF ₂ scintillator-polystyrene composite films under vacuum ultraviolet radiation. Materials Research Bulletin, 2021, 135, 111159.	2.7	2
5	Intrinsic defects and non-stoichiometry in undoped cadmium silicate hosts. Journal of Alloys and Compounds, 2021, 857, 157580.	2.8	2
6	Optical spectroscopy study of Eu-doped ions in BaAl ₂ O ₄ phosphors. Journal of Luminescence, 2021, 236, 118011.	1.5	2
7	Synthesis and characterization of luminescent Ln ³⁺ (Ln = Eu, Tb and Dy)-doped LiYF ₄ microcrystals produced by a facile microwave-assisted hydrothermal method. Journal of Luminescence, 2020, 219, 116843.	1.5	8
8	Increase of Voc using heterojunctions of BaTiO ₃ without sensitization. Ceramics International, 2020, 46, 4907-4913.	2.3	23
9	Computer modelling of Bi ₁₂ SiO ₂₀ and Bi ₄ Si ₃ O ₁₂ : Intrinsic defects and rare earth ion incorporation. Journal of Solid State Chemistry, 2020, 292, 121608.	1.4	2
10	Influence of Eu valence on the optical activity of BaTiO ₃ decorated with CaF ₂ synthesized by microwave-assisted hydrothermal method. Dalton Transactions, 2020, 49, 8540-8548.	1.6	2
11	White light emission of CdSiO ₃ :Gd,TM (TM = Ni, Cr) phosphors. Materials Research Bulletin, 2020, 126, 110851.	2.7	3
12	Computer Simulation of the Incorporation of V ²⁺ , V ³⁺ , V ⁴⁺ , V ⁵⁺ and Mo ³⁺ , Mo ⁴⁺ , Mo ⁵⁺ , Mo ⁶⁺ Dopants in LiNbO ₃ . Crystals, 2020, 10, 457.	1.0	7
13	Fine tuning of polymer content for enhanced structure and luminescent properties of Eu ³⁺ :siloxane-poly(methyl methacrylate) hybrids to be applied in photonics. Polymer, 2019, 181, 121767.	1.8	5
14	Computational modelling of intrinsic defects in the orthosilicates Y ₂ SiO ₅ and Lu ₂ SiO ₅ . Journal of Physics Condensed Matter, 2019, 31, 415902.	0.7	3
15	VUV excited luminescence and thermoluminescence investigation on Er ³⁺ - or Pr ³⁺ -doped BaY ₂ F ₈ single crystals. Optical Materials, 2019, 90, 238-243.	1.7	5
16	Ln ³⁺ doping in CaAl ₃ O ₇ and luminescence concentration quenching studied via a new computer modelling strategy. Optical Materials, 2019, 92, 212-216.	1.7	7
17	Thermoluminescence and persistent luminescence of Tb ³⁺ activated CaAl ₃ O ₇ . Optical Materials, 2019, 91, 413-418.	1.7	10
18	X-ray absorption spectroscopy and tunable color emission study of the Mn-co-doped BaAl ₂ O ₄ : Ce phosphor under synchrotron radiation. Optical Materials, 2019, 91, 401-407.	1.7	4

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19	Temperature-sensitive luminescence of Y ₂ O ₃ :Nd ³⁺ nanocrystals produced by an eco-friendly route. <i>Optical Materials</i> , 2019, 89, 536-542.	1.7	18
20	Thermoluminescence and optically stimulated luminescence properties of the Eu ²⁺ -doped KMgF ₃ produced by a hydrothermal microwave method. <i>Journal of Luminescence</i> , 2019, 206, 302-307.	1.5	14
21	X-ray absorption fine structure spectroscopy and photoluminescence study of multifunctional europium (III)-doped hydroxyapatite in the presence of cationic surfactant medium. <i>Journal of Luminescence</i> , 2018, 201, 70-76.	1.5	15
22	Hydrothermal synthesis of CdWO ₄ for scintillator-polymer composite films development. <i>Journal of Luminescence</i> , 2018, 199, 225-231.	1.5	15
23	Effects of X-ray irradiation on the Eu ³⁺ →Eu ²⁺ conversion in CaAl ₂ O ₄ phosphors. <i>Optical Materials</i> , 2018, 75, 122-126.	1.7	15
24	Influence of the Uniaxial Hot-Pressing Sintering Condition on Bi ₄ Ge ₃ O ₁₂ Ceramic Scintillators. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-6.	0.6	2
25	Skin permeation, biocompatibility and antitumor effect of chloroaluminum phthalocyanine associated to oleic acid in lipid nanoparticles. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 24, 262-273.	1.3	20
26	Development of efficient scintillator materials based on LiLaP ₄ O ₁₂ doped with rare earth ions. <i>Journal of Luminescence</i> , 2018, 203, 385-390.	1.5	4
27	A computational and spectroscopic study of Dy ³⁺ doped BaAl ₂ O ₄ phosphors. <i>Optical Materials</i> , 2018, 83, 328-332.	1.7	7
28	Luminescence characterization and the energy level scheme for lanthanide doped CaYAl ₃ O ₇ . <i>Journal of Luminescence</i> , 2018, 203, 486-491.	1.5	11
29	Computer Modelling of Hafnium Doping in Lithium Niobate. <i>Crystals</i> , 2018, 8, 123.	1.0	13
30	Modelling of Intrinsic Defects in CaYAl ₃ O ₇ . <i>Acta Physica Polonica A</i> , 2018, 133, 781-784.	0.2	5
31	Synthesis and synchrotron characterisation of novel dual-template of hydroxyapatite scaffolds with controlled size porous distribution. <i>Materials Letters</i> , 2017, 190, 107-110.	1.3	3
32	Production of Eu-doped BaAl ₂ O 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.	1.9	8
33	Luminescence in undoped CaYAl ₃ O ₇ produced via the Pechini method. <i>Physica B: Condensed Matter</i> , 2017, 507, 119-130.	1.3	20
34	Particle size effects on structural and optical properties of BaF ₂ nanoparticles. <i>RSC Advances</i> , 2017, 7, 26839-26848.	1.7	92
35	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.	1.7	10
36	EXAFS simulations in Zn-doped LiNbO ₃ based on defect calculations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 169, 012003.	0.3	1

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37	Influence of concentration of hydroxyapatite surface modifier agent on bioactive composite characteristics. <i>Ceramics International</i> , 2016, 42, 17023-17031.	2.3	10
38	Structural and optical study of CaF ₂ nanoparticles produced by a microwave-assisted hydrothermal method. <i>Physica B: Condensed Matter</i> , 2016, 501, 106-112.	1.3	52
39	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.	1.3	37
40	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.	1.4	6
41	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.	0.8	7
42	Modelling the concentration dependence of doping in optical materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 80, 012010.	0.3	0
43	Optical properties of Pr and Eu-doped SrAl ₁₂ O ₁₉ : A theoretical study. <i>Optical Materials</i> , 2015, 48, 105-109.	1.7	11
44	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.	1.5	13
45	Lithium migration at low concentration in TiO ₂ polymorphs. <i>Computational and Theoretical Chemistry</i> , 2015, 1072, 43-51.	1.1	19
46	The incorporation of chromium (III) into hydroxyapatite crystals. <i>Materials Letters</i> , 2015, 140, 187-191.	1.3	7
47	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.	2.7	27
48	Mechanism of luminescent enhancement in Ba ₂ GdNbO ₆ :Eu ³⁺ perovskite by Li ⁺ co-doping. <i>Journal of Luminescence</i> , 2015, 158, 75-80.	1.5	8
49	Influence of co-dopant in the europium reduction in SrAl ₂ O ₄ host. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 143-148.	1.0	25
50	Optical properties of Pr-doped BaY ₂ F ₈ . <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	5
51	Structural and optical properties of the nanopowder of the Eu ³⁺ doped LiLaP ₄ O ₁₂ produced by sol gel route. <i>Radiation Measurements</i> , 2014, 71, 55-60.	0.7	11
52	Structural and optical characterizations of Ca ₂ Al ₂ SiO ₇ :Ce ³⁺ , Mn ²⁺ nanoparticles produced via a hybrid route. <i>Optical Materials</i> , 2014, 36, 1580-1590.	1.7	27
53	Computer simulation of metal co-doping in lithium niobate. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20140406.	1.0	6
54	The effect of the host composition on the lifetime decay properties of barium/strontium aluminates compounds. <i>Journal of Applied Physics</i> , 2014, 115, 103510.	1.1	13

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55	Production and characterization of spodumene dosimetric pellets prepared by a sol-gel route. Radiation Physics and Chemistry, 2014, 104, 93-99.	1.4	7
56	Comparative study of structural and optical properties of ZnO nanostructures prepared by three different aqueous solution methods. Materials Chemistry and Physics, 2013, 142, 325-332.	2.0	13
57	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.	0.8	24
58	Color-control of the persistent luminescence of cadmium silicate doped with transition metals. Journal of Solid State Chemistry, 2013, 200, 54-59.	1.4	34
59	Luminescence properties of Er ³⁺ and Tm ³⁺ doped BaY ₂ F ₈ . Journal of Luminescence, 2013, 138, 19-24.	1.5	11
60	Computer modelling of undoped and Eu ³⁺ -doped LiLa(WO ₄) ₂ . Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 165-167.	0.8	4
61	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.	2.0	21
62	The optical properties of Eu ³⁺ doped BaAl ₂ O ₄ : A computational and spectroscopic study. Optical Materials, 2012, 34, 1434-1439.	1.7	35
63	Spectroscopy study of SrAl ₂ O ₄ :Eu ³⁺ . Journal of Luminescence, 2012, 132, 1015-1020.	1.5	32
64	X-ray excited optical luminescence of Ce-doped BaAl ₂ O ₄ . Journal of Luminescence, 2012, 132, 1106-1111.	1.5	22
65	X-ray-excited optical luminescence and X-ray absorption fine-structures studies of CdWO ₄ scintillator. Journal of Synchrotron Radiation, 2012, 19, 591-595.	1.0	6
66	Preparation and characterization of chloroaluminum phthalocyanine-loaded solid lipid nanoparticles by thermal analysis and powder X-ray diffraction techniques. Journal of Thermal Analysis and Calorimetry, 2012, 108, 191-196.	2.0	25
67	Radioluminescence properties of decaoctahedral BaZrO ₃ . Scripta Materialia, 2011, 64, 118-121.	2.6	34
68	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.	1.7	22
69	Computer modelling of the reduction of rare earth dopants in barium aluminate. Journal of Solid State Chemistry, 2011, 184, 1903-1908.	1.4	9
70	Particle Size Control of Y ₂ O ₃ :Eu ³⁺ Prepared via a Coconut Water-Assisted Sol-Gel Method. Journal of Nanomaterials, 2011, 2011, 1-6.	1.5	14
71	Defect studies and optical activation of Yb doped GaN. Journal of Physics: Conference Series, 2010, 249, 012053.	0.3	2
72	Intrinsic Defects in Strontium Aluminates studied via Computer Simulation Technique. Journal of Physics: Conference Series, 2010, 249, 012042.	0.3	8

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73	Changes in dental enamel oven heated or irradiated with Er,Cr:YSGG laser. Analysis by FTIR. Laser Physics, 2010, 20, 871-875.	0.6	19
74	Radioluminescence properties of rare earths doped SrAl ₂ O ₄ nanopowders. Journal of Luminescence, 2010, 130, 1525-1530.	1.5	25
75	Computer modelling of Bi ₁₂ TiO ₂₀ : Intrinsic defects, ion migration and rare earth ion incorporation. Optical Materials, 2010, 32, 1375-1376.	1.7	9
76	Optical properties of rare-earth doped Sr ₃ Al ₂ O ₆ . Optical Materials, 2010, 32, 1341-1344.	1.7	14
77	Scintillation mechanism of Tb ³⁺ doped BaY ₂ F ₈ . Optical Materials, 2010, 32, 1337-1340.	1.7	8
78	Computer modelling of rare earth dopants in KYF materials: bulk and surface studies. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012014.	0.3	2
79	Computer modelling of intrinsic defects and rare earth doping in KYF ₄ , K ₂ YF ₅ and KY ₃ F ₁₀ . Journal of Physics: Conference Series, 2010, 249, 012040.	0.3	3
80	Computer modelling of thorium doping in LiCaAlF ₆ and LiSrAlF ₆ : application to the development of solid state optical frequency devices. Journal of Physics Condensed Matter, 2009, 21, 325403.	0.7	18
81	Problems in the thermal investigation of the BaF ₂ -YF ₃ system. Journal of Thermal Analysis and Calorimetry, 2009, 95, 43-48.	2.0	11
82	Radioluminescence and X-ray excited optical luminescence of SrAl ₂ O ₄ :Eu nanopowders. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2923-2927.	0.6	25
83	Correlations between chemical composition and provenance of Justino site ceramics by INAA. Journal of Radioanalytical and Nuclear Chemistry, 2008, 278, 185-190.	0.7	12
84	Computer modelling of doped mixed metal fluorides and oxides for device applications: Rare earth, sodium and barium doped KYF ₄ . Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2715-2718.	0.6	2
85	Computer modelling of trivalent metal dopants in lithium niobate. Journal of Physics Condensed Matter, 2008, 20, 035201.	0.7	6
86	A computational study of intrinsic and extrinsic defects in LiNbO ₃ . Journal of Physics Condensed Matter, 2007, 19, 046211.	0.7	42
87	Structural and optical properties of Nd- and Tb-doped BaY ₂ F ₈ . Optical Materials, 2007, 30, 184-187.	1.7	8
88	Computer modelling of intrinsic and substitutional defects in LiNbO ₃ . Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1201-1204.	0.8	5
89	Computer modelling of the optical properties of rare-earth doped metal fluorides. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1185-1188.	0.8	5
90	Optical properties of pure and Cr ³⁺ doped BGO ceramic scintillators. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 980-983.	0.8	12

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91	Thermoluminescent characteristics of Actinolite-Teflon composites for gamma high-doses. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 1052-1055.	0.8	3
92	Production and characterization of pure and Cr ³⁺ -doped hydroxyapatite for biomedical applications as fluorescent probes. <i>Journal of Materials Science</i> , 2007, 42, 2236-2243.	1.7	33
93	Scintillating properties of pure and doped BGO ceramics. <i>Journal of Materials Science</i> , 2007, 42, 2231-2235.	1.7	33
94	Thermally stimulated luminescence and EPR studies on topaz. <i>Applied Radiation and Isotopes</i> , 2006, 64, 906-909.	0.7	10
95	Photoinduced emission and thermoluminescence in topaz. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 250, 386-389.	0.6	3
96	Thermoluminescence kinetic parameters of Bi ₄ Ge ₃ O ₁₂ single crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 250, 390-395.	0.6	14
97	Determination of trace elements in archaeological ceramics and application of Kernel Density Estimates: Implications for the definition of production locations. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2006, 269, 441-445.	0.7	11
98	Dose evaluation in paediatric radiology and adult bone densitometry examinations. <i>Radiation Protection Dosimetry</i> , 2006, 120, 91-94.	0.4	0
99	Optically stimulated luminescence dosimetry performance of natural Brazilian topaz exposed to beta radiation. <i>Radiation Protection Dosimetry</i> , 2006, 119, 161-163.	0.4	1
100	Computer modelling of BaY ₂ F ₈ : defect structure, rare earth doping and optical behaviour. <i>Applied Physics B: Lasers and Optics</i> , 2005, 81, 841-846.	1.1	26
101	Computer modelling of the optical behaviour of rare earth dopants in BaY ₂ F ₈ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 476-480.	0.8	3
102	Modelling intrinsic defects and transport mechanisms in the bismuth germanate crystalline system. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 485-489.	0.8	11
103	A new interatomic potential for the ferroelectric and paraelectric phases of LiNbO ₃ . <i>Journal of Physics Condensed Matter</i> , 2005, 17, 837-843.	0.7	26
104	A computational study of the structure, lattice and defect properties of pure and doped F ⁺ and OH ⁻ -topaz. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S2771-S2779.	0.7	11
105	Synthesis of Yttria Nanopowders Doped with Rare Earth via a Coconut Water-Based Sol-Gel Process. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004, 20-21, 247-252.	0.1	4
106	Computer modelling of divalent, trivalent and tetravalent ion doping in LiCaAlF ₆ and LiSrAlF ₆ . <i>Journal of Physics Condensed Matter</i> , 2004, 16, 8733-8741.	0.7	6
107	Laser-sintered Bismuth Germanate Ceramics as Scintillator Devices. <i>Journal of the American Ceramic Society</i> , 2004, 87, 1076-1081.	1.9	41
108	Computer modelling of doping and ion implantation in F ⁺ /OH ⁻ -topaz. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004, 218, 42-45.	0.6	2

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109	Defect simulation and crystal field studies of Ln ³⁺ :LiCaAlF ₆ and LiSrAlF ₆ . Nuclear Instruments & Methods in Physics Research B, 2004, 218, 232-235.	0.6	9
110	Computer modelling of radiation generated defects in BGO scintillators. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 145-147.	0.6	13
111	Radiation-induced charge trapping and recombination process in natural topaz studied by TL, EPR and XRD. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 123-127.	0.6	7
112	Radiation detectors based on laser sintered Bi ₄ Ge ₃ O ₁₂ ceramics. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 153-157.	0.6	28
113	Thermoluminescent characteristics of mineral samples acquired as jade. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 198-201.	0.6	13
114	Preparation of composites of topaz embedded in glass matrix for applications in solid state thermoluminescence dosimetry. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 277-282.	0.6	18
115	Computer modelling of mixed metal fluorides for optical applications. Dalton Transactions, 2004, , 3098.	1.6	3
116	Predicting the spectroscopic behaviour of Eu ³⁺ in BaLiF ₃ via defect modelling and crystal field parameter calculations. Chemical Physics Letters, 2003, 369, 90-94.	1.2	9
117	Yttria thin films doped with rare earth for applications in radiation detectors and thermoluminescent dosimeters. Microelectronics Journal, 2003, 34, 557-559.	1.1	32
118	Evaluation of doses in radiotherapy using solid-state composites based on natural colourless topaz. Applied Radiation and Isotopes, 2003, 58, 489-494.	0.7	18
119	Computer modelling of defect structure and rare earth doping in LiCaAlF ₆ and LiSrAlF ₆ . Journal of Physics Condensed Matter, 2003, 15, 2523-2533.	0.7	26
120	Computer modelling of the structure, lattice and defect properties of F- and OH-topaz. Radiation Effects and Defects in Solids, 2002, 157, 845-848.	0.4	3
121	Exafs studies of LiYF ₄ -LiREF ₄ solid solutions. Radiation Effects and Defects in Solids, 2002, 157, 1173-1176.	0.4	1
122	Computer modelling of defects and dopants in mixed metal fluorides. Radiation Effects and Defects in Solids, 2002, 157, 795-798.	0.4	0
123	Performance of Pellets and Composites of Natural Colourless Topaz as Radiation Dosimeters. Radiation Protection Dosimetry, 2002, 100, 413-416.	0.4	27
124	A computational study of the influence of oxygen incorporation on crystal growth and contamination in BaLiF ₃ . Nuclear Instruments & Methods in Physics Research B, 2002, 191, 32-36.	0.6	5
125	Effects of ion implantation on the thermoluminescent properties of natural colourless topaz. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 196-201.	0.6	7
126	Influence of thermal treatment on the Raman, infrared and TL responses of natural topaz. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 230-235.	0.6	20

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127	Effects of thermal treatment on the TL emission of natural quartz. Radiation Measurements, 2002, 35, 155-159.	0.7	42
128	Evidence for a new structure in a mixed metal sulphate system by EXAFS. X-Ray Spectrometry, 2002, 31, 162-166.	0.9	0
129	Computer modelling of rare-earth dopants in BaLiF ₃ . Journal of Physics Condensed Matter, 2001, 13, 2147-2154.	0.7	11
130	Computer modelling of materials for solid state laser applications. Radiation Effects and Defects in Solids, 2001, 154, 243-247.	0.4	3
131	Thermally assisted tunneling: An alternative model for the thermoluminescence process in calcite. Physical Review B, 2001, 64, .	1.1	15
132	Phototransferred thermoluminescence of quartz. Radiation Measurements, 2001, 33, 427-430.	0.7	9
133	Ionic transport in barium lithium fluoride. Radiation Effects and Defects in Solids, 2001, 155, 393-396.	0.4	4
134	The use of pellets of brazilian natural topaz as radiation dosimeters. Radiation Effects and Defects in Solids, 2001, 156, 325-330.	0.4	8
135	Computer modelling of intrinsic defects and migration processes in KY ₃ F ₁₀ . Radiation Effects and Defects in Solids, 2001, 155, 397-401.	0.4	4
136	Dosimetric properties of natural brazilian topaz: A thermally stimulated exoelectronic emission and thermoluminescence study. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 209-214.	0.6	28
137	Elemental Composition of Urban Aerosol Collected in Florence, Italy. Environmental Monitoring and Assessment, 2000, 65, 165-173.	1.3	6
138	Derivation of potentials for the rare-earth fluorides, and the calculation of lattice and intrinsic defect properties. Journal of Physics Condensed Matter, 2000, 12, 7727-7734.	0.7	34
139	Thermoluminescence mechanism of Mn ²⁺ , Mg ²⁺ and Sr ²⁺ doped calcite. Journal of Physics and Chemistry of Solids, 1999, 60, 1973-1981.	1.9	15
140	Computer modelling of BaLiF ₃ : III. Substitution of La ³⁺ , Nd ³⁺ and Y ³⁺ rare earth ions. Radiation Effects and Defects in Solids, 1999, 151, 249-254.	0.4	6
141	Computer modelling of : II. Defects produced by divalent dopants. Journal of Physics Condensed Matter, 1998, 10, 3353-3358.	0.7	14
142	Thermoluminescent Properties of Calcium Fluoride Doped with Lanthanum and Aluminum. Materials Science Forum, 1997, 239-241, 749-752.	0.3	2
143	Influence of the Sr ²⁺ and Mg ²⁺ Content on the TL Emission of Calcite. Materials Science Forum, 1997, 239-241, 741-744.	0.3	1
144	Thermoluminescence of Natural Topaz Crystals of Differing Genesis. Materials Science Forum, 1997, 239-241, 765-768.	0.3	13

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145	Computer modelling of : l. Interionic potentials and intrinsic defects. Journal of Physics Condensed Matter, 1996, 8, 10931-10937.	0.7	28
146	An EXAFS study of the Ni dopant site in BaLiF. Journal of Physics Condensed Matter, 1996, 8, 10679-10685.	0.7	17
147	On the error in the activation energy obtained by the initial rise method for thermally stimulated processes in dielectrics. Radiation Effects and Defects in Solids, 1995, 134, 147-152.	0.4	3
148	Thermoluminescence of brazilian topaz. Radiation Effects and Defects in Solids, 1995, 135, 109-113.	0.4	14
149	Relaxation processes in calcium fluoride solid solutions with rare-earth and aluminium fluorides. Radiation Effects and Defects in Solids, 1991, 119-121, 393-398.	0.4	3
150	The role played by hydrogen in the ionic thermocurrents of beryl. Radiation Effects and Defects in Solids, 1991, 119-121, 603-608.	0.4	3
151	A new potential for lithium niobate and its application in the calculation of structure and defect properties. , 0, , .		0