

# Luisa E Bausa

## List of Publications by Year in descending order

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docs citations

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times ranked

2133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial coherence from Nd <sup>3+</sup> quantum emitters mediated by a plasmonic chain. Optics Express, 2021, 29, 26244.	1.7	3
2	Enhancing Nonlinear Interactions by the Superposition of Plasmonic Lattices on $\text{Ti}^{2+}$ -Nonlinear Photonic Crystals. ACS Photonics, 2021, 8, 2529-2537.	3.2	3
3	Giant Second Harmonic Generation Enhancement by Ag Nanoparticles Compactly Distributed on Hexagonal Arrangements. Nanomaterials, 2021, 11, 2394.	1.9	0
4	Spectral Narrowing in a Subwavelength Solid-State Laser. ACS Photonics, 2019, 6, 2327-2334.	3.2	3
5	Emergent room temperature polar phase in CaTiO <sub>3</sub> nanoparticles and single crystals. APL Materials, 2019, 7, .	2.2	10
6	Plasmon-induced dual-wavelength operation in a Yb <sup>3+</sup> laser. Light: Science and Applications, 2019, 8, 14.	7.7	20
7	Hybrid Plasmonic-Ferroelectric Architectures for Lasing and SHG Processes at the Nanoscale. Advanced Materials, 2019, 31, e1901428.	11.1	18
8	Experimental evidence of charged domain walls in lead-free ferroelectric ceramics: light-driven nanodomain switching. Nanoscale, 2018, 10, 705-715.	2.8	29
9	Multiline Operation from a Single Plasmon-Assisted Laser. ACS Photonics, 2018, 5, 406-412.	3.2	12
10	Field enhancement and spectral features of hexagonal necklaces of silver nanoparticles for enhanced nonlinear optical processes. Optics Express, 2018, 26, 22394.	1.7	5
11	2D Arrays of Hexagonal Plasmonic Necklaces for Enhanced Second Harmonic Generation. Advanced Materials, 2017, 29, 1605267.	11.1	17
12	Anisotropic enhancement of Yb <sup>3+</sup> luminescence by disordered plasmonic networks self-assembled on RbTiOPO <sub>4</sub> ferroelectric crystals. Nanoscale, 2017, 9, 16166-16174.	2.8	11
13	Plasmon enhanced energy-transfer up-conversion in Yb <sup>3+</sup> -Er <sup>3+</sup> co-doped LiNbO <sub>3</sub> crystal. Optical Materials, 2017, 63, 173-178.	1.7	7
14	Plasmonic enhancement of second harmonic generation from nonlinear RbTiOPO <sub>4</sub> crystals by aggregates of silver nanostructures. Optics Express, 2016, 24, 8491.	1.7	18
15	Spectroscopic study of radiative intra-configurational $4f \rightarrow 4f$ transitions in Yb <sup>3+</sup> -doped materials using high hydrostatic pressure. Journal of Luminescence, 2016, 169, 507-515.	1.5	7
16	Plasmon-Assisted Nd <sup>3+</sup> -Based Solid-State Nanolaser. Nano Letters, 2016, 16, 895-899.	4.5	44
17	Polarization-selective enhancement of Nd <sup>3+</sup> photoluminescence assisted by linear chains of silver nanoparticles. Journal of Luminescence, 2016, 169, 569-573.	1.5	12
18	Rare-earth doped transparent ceramics for spectral filtering and quantum information processing. APL Materials, 2015, 3, .	2.2	21

#	ARTICLE	IF	CITATIONS
19	Controlling solid state gain media by deposition of silver nanoparticles: from thermally- quenched to plasmon-enhanced Nd <sup>3+</sup> luminescence. Optics Express, 2015, 23, 15670.	1.7	14
20	BaMgF <sub>4</sub> : An Ultra-transparent Two-Dimensional Nonlinear Photonic Crystal with Strong $\chi^{(3)}$ Response in the UV Spectral Region. Advanced Functional Materials, 2014, 24, 1509-1518.	7.8	36
21	Blue SHG Enhancement by Silver Nanocubes Photochemically Prepared on a RbTiOPO <sub>4</sub> Ferroelectric Crystal. Advanced Materials, 2014, 26, 6447-6453.	11.1	12
22	VUV-UV 5d-4f interconfigurational transitions of Nd <sup>3+</sup> in BaMgF <sub>4</sub> ferroelectric crystals. Journal of Luminescence, 2014, 153, 136-139.	1.5	5
23	Micro-spectroscopic characterization of ferroelectric domain structures in Yb <sup>3+</sup> :LiNbO <sub>3</sub> prepared by electron beam writing. Optical Materials Express, 2014, 4, 1077.	1.6	21
24	Multimetal rare earth MOFs for lighting and thermometry: tailoring color and optimal temperature range through enhanced disulfobenzoic triplet phosphorescence. Journal of Materials Chemistry C, 2013, 1, 6316.	2.7	138
25	Two dimensional ferroelectric domain patterns in Yb <sup>3+</sup> optically active LiNbO <sub>3</sub> fabricated by direct electron beam writing. Applied Physics Letters, 2013, 102, .	1.5	33
26	Selective Plasmon Enhancement of the 1.08 $\mu$ m Nd <sup>3+</sup> Laser Stark Transition by Tailoring Ag Nanoparticles Chains on a PPLN <i>Y</i> -cut. Nano Letters, 2013, 13, 4931-4936.	4.5	17
27	Narrow inhomogeneous and homogeneous optical linewidths in a rare earth doped transparent ceramic. Physical Review B, 2013, 87, .	1.1	24
28	Effects of Tm <sup>3+</sup> Additions on the Crystallization of LaF <sub>3</sub> Nanocrystals in Oxyfluoride Glasses: Optical Characterization and Up-conversion. Journal of the American Ceramic Society, 2013, 96, 447-457.	1.9	46
29	Spontaneous Emission and Nonlinear Response Enhancement by Silver Nanoparticles in a Nd <sup>3+</sup> -Doped Periodically Poled LiNbO <sub>3</sub> Laser Crystal. Advanced Materials, 2013, 25, 910-915.	11.1	38
30	Ultrabroadband generation of multiple concurrent nonlinear coherent interactions in random quadratic media. Applied Physics Letters, 2013, 103, 101101.	1.5	5
31	Pr <sup>3+</sup> -Based Fluorescent TiO <sub>2</sub> Split Ring Resonator-Like Crystalline Microstructures. Science of Advanced Materials, 2013, 5, 921-926.	0.1	3
32	Simultaneous generation of second to fifth harmonic conical beams in a two dimensional nonlinear photonic crystal. Optics Express, 2012, 20, 29940.	1.7	26
33	Local environment of optically active Nd <sup>3+</sup> ions in the ultratransparent BaMgF <sub>4</sub> ferroelectric crystal. Physical Review B, 2012, 85, .	1.1	3
34	Infrared to visible up conversion energy transfer confined at ordered micro-ring structures. Optical Materials, 2012, 34, 2035-2040.	1.7	1
35	Multifunctional solid state lasers based on ferroelectric crystals. Optical Materials, 2012, 34, 524-535.	1.7	23
36	Optical spectroscopy of Yb <sup>3+</sup> centers in BaMgF <sub>4</sub> ferroelectric crystal. Journal of Applied Physics, 2011, 110, 063102.	1.1	4

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37	Arrays of micro-cavities activated with laser ions. Journal of Luminescence, 2011, 131, 382-385.	1.5	1
38	Second Harmonic Conical Waves for Symmetry Studies in $\chi^{(2)}$ Nonlinear Photonic Crystals. Applied Physics Express, 2011, 4, 082202.	1.1	4
39	Tm <sup>3+</sup> doped oxy-fluoride glass-ceramics containing NaLaF <sub>4</sub> nano-crystals. Optical Materials, 2010, 33, 180-185.	1.7	50
40	Directional dependence of the second harmonic response in two-dimensional nonlinear photonic crystals. Applied Physics Letters, 2010, 96, .	1.5	29
41	Rare earth doped ring-shaped luminescent micro-composites on patterned ferroelectrics. Optics Express, 2010, 18, 18269.	1.7	3
42	Neodymium doping in UV-IR transparent ferroelectric BaMgF <sub>4</sub> . Journal of Applied Physics, 2010, 107, .	1.1	8
43	Site location and crystal field of Nd <sup>3+</sup> ions in congruent strontium barium niobate. Physical Review B, 2009, 80, .	1.1	9
44	Micrometric spatial control of rare earth ion emission in LiNbO <sub>3</sub> : A two-dimensional multicolor array. Applied Physics Letters, 2009, 95, 051103.	1.5	4
45	Suppression of Q-switching instabilities in a passively mode-locked Nd:Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ceramic laser. Optical Materials, 2009, 31, 725-728.	1.7	4
46	Effect of electron beam writing parameters for ferroelectric domain structuring LiNbO <sub>3</sub> :Nd <sup>3+</sup> . Optical Materials, 2009, 31, 1777-1780.	1.7	21
47	Optical spectroscopy of neodymium-doped calcium barium niobate ferroelectric crystals. Journal of Luminescence, 2009, 129, 1658-1660.	1.5	6
48	Nonlinear prism based on the natural ferroelectric domain structure in calcium barium niobate. Applied Physics Letters, 2009, 94, .	1.5	27
49	Strontium Barium Niobate as a Multifunctional Two-Dimensional Nonlinear $\chi^{(2)}$ Photonic Glass. Advanced Functional Materials, 2008, 18, 709-715.	7.8	86
50	Luminescence of Rare Earth Ions in Strontium Barium Niobate Around the Phase Transition: The Case of Tm <sup>3+</sup> Ions. Ferroelectrics, 2008, 363, 150-162.	0.3	13
51	Lanthanide doped strontium barium niobate: Optical spectroscopy and local structure at the impurity sites. Journal of Alloys and Compounds, 2008, 451, 12-17.	2.8	19
52	Thermal lens and heat generation of Nd:YAG lasers operating at 1.064 and 1.34 $\mu$ m. Optics Express, 2008, 16, 6317.	1.7	27
53	Selective rearrangement of Nd <sup>3+</sup> centers in LiNbO <sub>3</sub> under ferroelectric domain inversion by electron beam writing. Physical Review B, 2008, 78, .	1.1	6
54	Nd <sup>3+</sup> ion shift under domain inversion by electron beam writing in LiNbO <sub>3</sub> . Applied Physics Letters, 2007, 90, 141901.	1.5	13

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55	Probability of $Yb^{3+} 4f \rightarrow 4f$ transitions in gadolinium gallium garnet crystals at high hydrostatic pressures. <i>Physical Review B</i> , 2007, 75, .	1.1	22
56	Improvement of laser gain by microdomain compensation effects in Nd:SrBa(Nb3O)2 lasers. <i>Journal of Applied Physics</i> , 2007, 102, 053101.	1.1	4
57	Luminescence of lanthanide ions in strontium barium niobate. <i>Journal of Luminescence</i> , 2007, 122-123, 307-310.	1.5	30
58	Optical spectroscopy of $Yb^{3+}$ -doped $Ca_3Sc_2Ge_3O_{12}$ garnet crystal. <i>Journal of Applied Physics</i> , 2006, 99, 013507.	1.1	5
59	Optical Properties of Active Ions Around the Ferro-Paraelectric Phase Transition in SBN Crystals. <i>Ferroelectrics</i> , 2006, 337, 33-39.	0.3	4
60	Thermal hysteresis in the luminescence of $Yb^{3+}$ ions in $Sr_{0.6}Ba_{0.4}Nb_2O_6$ . <i>Physical Review B</i> , 2006, 73, .	1.1	29
61	Fabrication of Domain Inverted Structures by Direct Electron Bombardment in $LiNbO_3$ Crystals and its Characterization. <i>Ferroelectrics</i> , 2006, 334, 67-72.	0.3	1
62	Bistable luminescence of trivalent rare-earth ions in crystals. <i>Journal of Luminescence</i> , 2006, 119-120, 314-317.	1.5	1
63	Phase transition in $Sr_xBa_{1-x}Nb_2O_6$ ferroelectric crystals probed by Raman spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 4930-4934.	1.3	46
64	High-pressure-induced ferroelectric phase transition in the $Yb^{3+}$ : $Sr_{0.6}Ba_{0.4}Nb_2O_6$ crystal at liquid helium temperature. <i>Physical Review B</i> , 2006, 74, .	1.1	10
65	Intracavity thermal loading measurements and evaluation of the intrinsic fluorescence quantum efficiency in $Yb^{3+}$ : $LiNbO_3$ :MgO lasers. <i>Applied Physics Letters</i> , 2006, 89, 091122.	1.5	3
66	Near infrared and visible tunability from a diode pumped $Nd^{3+}$ activated strontium barium niobate laser crystal. <i>Applied Physics B: Lasers and Optics</i> , 2005, 81, 827-830.	1.1	38
67	Coherent Light Generation from a $Nd^{3+}$ :SBN Nonlinear Laser Crystal through its Ferroelectric Phase Transition. <i>Physical Review Letters</i> , 2005, 95, 267401.	2.9	67
68	Temperature dependence of $Nd^{3+} \rightarrow Yb^{3+}$ energy transfer in the $YAl_3(BO_3)_4$ nonlinear laser crystal. <i>Journal of Applied Physics</i> , 2005, 97, 093510.	1.1	30
69	Influence of hydrostatic pressure on radiative transition probability of the intrashell $4f$ transitions in $Yb^{3+}$ ions in lithium niobate crystals. <i>Physical Review B</i> , 2005, 72, .	1.1	18
70	Thermal hysteresis in the luminescence of $Cr^{3+}$ ions in $Sr_{0.6}Ba_{0.4}(NbO_3)_2$ . <i>Applied Physics Letters</i> , 2004, 84, 2787-2789.	1.5	28
71	Site-selective study of $Nd^{3+}$ optical centers in $Ca_3Sc_2Ge_3O_{12}$ laser garnet crystals. <i>Journal of Applied Physics</i> , 2004, 95, 1774-1779.	1.1	6
72	Evaluation of ytterbium doped strontium barium niobate as a potential tunable laser crystal in the visible. <i>Journal of Applied Physics</i> , 2004, 95, 6185-6191.	1.1	38

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73	Growth and characterization of Nd-doped SBN single crystal fibers. Applied Physics A: Materials Science and Processing, 2004, 78, 1037-1042.	1.1	7
74	Multiwavelength laser action of Nd <sup>3+</sup> :YAlO <sub>3</sub> single crystals grown by the laser heated pedestal growth method. Optical Materials, 2004, 24, 643-650.	1.7	20
75	Optical performance of Yb <sup>3+</sup> in LiNbO <sub>3</sub> laser crystal. Physica Status Solidi A, 2004, 201, 289-297.	1.7	16
76	Influence of Nd <sup>3+</sup> and Yb <sup>3+</sup> concentration on the Nd <sup>3+</sup> →Yb <sup>3+</sup> energy-transfer efficiency in the YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear crystal: determination of optimum concentrations for laser applications. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1203.	0.9	23
77	74% Slope efficiency from a diode-pumped Yb <sup>3+</sup> :LiNbO <sub>3</sub> :MgO laser crystal. Applied Physics B: Lasers and Optics, 2003, 77, 621-623.	1.1	12
78	Luminescence of trivalent rare earth ions in the yttrium aluminium borate non-linear laser crystal. Journal of Luminescence, 2003, 102-103, 216-219.	1.5	33
79	Hysteretic behaviour in the fluorescence of Yb <sup>3+</sup> in LiNbO <sub>3</sub> :MgO crystals. Journal of Luminescence, 2003, 102-103, 206-210.	1.5	10
80	Spectroscopic study of Yb <sup>3+</sup> centres in the YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear laser crystal. Journal of Physics Condensed Matter, 2003, 15, 7789-7801.	0.7	16
81	Nd <sup>3+</sup> →Yb <sup>3+</sup> energy transfer in the YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear laser crystal. Physical Review B, 2003, 68, .	1.1	89
82	Yb <sup>3+</sup> sites in YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear crystals. , 2003, , .		0
83	Rare Earth Ion Doped Non Linear Laser Crystals. Radiation Effects and Defects in Solids, 2003, 158, 231-239.	0.4	5
84	Optical spectroscopy of Er <sup>3+</sup> -doped Bi <sub>12</sub> SiO <sub>20</sub> piezoelectric crystal. Journal of Alloys and Compounds, 2002, 341, 275-279.	2.8	9
85	Spontaneous and stimulated emission of Nd <sup>3+</sup> in the nonlinear crystal Gd <sub>0.2</sub> Y <sub>0.8</sub> Al <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Journal of Alloys and Compounds, 2002, 341, 280-282.	2.8	1
86	Photoluminescence of Bi <sub>12</sub> SiO <sub>20</sub> :Er <sup>3+</sup> excited in the commercial laser diode emission region. Journal of Materials Science Letters, 2002, 21, 1517-1519.	0.5	6
87	Yb <sup>3+</sup> distribution in LiNbO <sub>3</sub> :(MgO) studied by cooperative luminescence. Journal of Chemical Physics, 2001, 114, 3200-3207.	1.2	28
88	Optical spectroscopy of Nd <sup>3+</sup> ions in GdXY <sub>1</sub> Al <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Journal of Alloys and Compounds, 2001, 323-324, 355-357.	2.8	0
89	EPR spectroscopy of Yb <sup>3+</sup> in LiNbO <sub>3</sub> and Mg:LiNbO <sub>3</sub> . Journal of Alloys and Compounds, 2001, 323-324, 340-343.	2.8	22
90	Modulation of the Yb <sup>3+</sup> to Er <sup>3+</sup> energy transfer in LiNbO <sub>3</sub> crystals by applying magnetic field. Journal of Alloys and Compounds, 2001, 323-324, 344-347.	2.8	2

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91	Electron-phonon coupling in Yb <sup>3+</sup> :LiNbO <sub>3</sub> laser crystal. <i>Journal of Luminescence</i> , 2001, 94-95, 701-705.	1.5	16
92	Excited state absorption around 1060 nm of Nd <sup>3+</sup> ions in Ba <sub>2</sub> Nb <sub>5</sub> O <sub>15</sub> crystal. <i>Optics Communications</i> , 2001, 191, 371-375.	1.0	12
93	Site-selective spectroscopy of Er <sup>3+</sup> ions in the Bi <sub>12</sub> SiO <sub>20</sub> piezoelectric crystal. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 11067-11076.	0.7	8
94	Cooperative luminescence in Yb <sup>3+</sup> :LiNbO <sub>3</sub> . <i>Journal of Luminescence</i> , 2000, 87-89, 1036-1038.	1.5	38
95	Spectroscopic and laser properties of Nd <sup>3+</sup> in SBN. <i>Journal of Luminescence</i> , 2000, 87-89, 877-879.	1.5	34
96	Self-frequency doubling in Yb <sup>3+</sup> doped periodically poled LiNbO <sub>3</sub> :MgO bulk crystal. <i>Applied Physics Letters</i> , 2000, 76, 1374-1376.	1.5	43
97	Continuous wave infrared laser action, self-frequency doubling, and tunability of Yb <sup>3+</sup> :MgO:LiNbO <sub>3</sub> . <i>Journal of Applied Physics</i> , 2000, 87, 4056-4062.	1.1	65
98	Site selective spectroscopy under high magnetic field in KGd(WO <sub>4</sub> ) <sub>2</sub> :Nd crystals. <i>Optical Materials</i> , 1999, 13, 27-32.	1.7	1
99	Infrared and self-frequency doubled laser action in Yb <sup>3+</sup> -doped LiNbO <sub>3</sub> :MgO. <i>Applied Physics Letters</i> , 1999, 74, 3113-3115.	1.5	80
100	Optical characterization of crystals. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 311-320.	0.7	51
101	Magnetic circular dichroism of Nd <sup>3+</sup> and Yb <sup>3+</sup> ions in LiNbO <sub>3</sub> crystals. <i>Journal of Chemical Physics</i> , 1999, 111, 6042-6046.	1.2	17
102	EPR and optical study of uranium-doped LiNbO <sub>3</sub> single crystals. <i>Radiation Effects and Defects in Solids</i> , 1999, 149, 363-367.	0.4	2
103	Rare earth and transition metal ion centers in LiNbO <sub>3</sub> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 54, 1571-1581.	2.0	57
104	Temperature dependence of the optical properties of Yb <sup>3+</sup> ions in LiNbO <sub>3</sub> crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 54, 2081-2085.	2.0	20
105	Crystal field and energy levels of centres in. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 7653-7664.	0.7	11
106	formation in Nd-doped pyrite films. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 9483-9495.	0.7	3
107	RBS/channeling to locate active ions in laser materials: application to rare earth activated LiNbO <sub>3</sub> . <i>Optical Materials</i> , 1997, 8, 55-63.	1.7	39
108	CW end-pumped Nd <sup>3+</sup> :LaBGeO <sub>5</sub> mini laser for self-frequency-doubling. <i>Journal of Luminescence</i> , 1997, 72-74, 816-818.	1.5	6

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109	Optical spectroscopy of Nd <sup>3+</sup> -doped KGd(WO <sub>4</sub> ) <sub>2</sub> monocrystals. Journal of Luminescence, 1997, 72-74, 253-254.	1.5	7
110	CaF <sub>2</sub> :Er <sup>3+</sup> molecular beam epitaxial layers as optical waveguides. Applied Physics Letters, 1996, 68, 3242-3244.	1.5	35
111	Spectroscopy of uranium ions in linbo <sub>3</sub> crystals. Ferroelectrics, 1996, 185, 41-44.	0.3	8
112	Optical absorption intensities and fluorescence dynamics of ions in. Journal of Physics Condensed Matter, 1996, 8, 5781-5791.	0.7	35
113	Infrared to green up conversion in Er <sup>3+</sup> :CaF <sub>2</sub> layers grown by molecular beam epitaxy. Solid State Communications, 1995, 94, 379-383.	0.9	11
114	Lattice location of Pr <sup>3+</sup> ions in LiNbO <sub>3</sub> . Physical Review B, 1995, 52, 6278-6284.	1.1	32
115	Optical spectroscopy of Pr <sup>3+</sup> ions in LiNbO <sub>3</sub> . Physical Review B, 1995, 51, 16643-16650.	1.1	44
116	Optical characterization of Ho <sup>3+</sup> ions in LiNbO <sub>3</sub> and in LiNbO <sub>3</sub> :MgO crystals. Journal of Physics Condensed Matter, 1994, 6, 1065-1078.	0.7	20
117	1.54 μm wavelength emission of highly Er <sup>3+</sup> -doped CaF <sub>2</sub> layers grown by molecular beam epitaxy. Journal of Applied Physics, 1994, 76, 270-273.	1.1	23
118	Effect of growth temperature and doping concentration on the distribution of the emitting centers in CaF <sub>2</sub> :Er molecular beam epitaxial layers. Journal of Applied Physics, 1994, 75, 2749-2752.	1.1	16
119	Flourescence and 1.06 μm second harmonic generation in Nd <sup>3+</sup> doped LaBGeO <sub>5</sub> . Journal of Luminescence, 1994, 60-61, 78-80.	1.5	4
120	Non equivalent optical centres in Pr <sup>3+</sup> doped LiNbO <sub>3</sub> . European Physical Journal Special Topics, 1994, 04, C4-381-C4-384.	0.2	2
121	Site-selective spectroscopy of Nd <sup>3+</sup> in the Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> laser crystal. European Physical Journal Special Topics, 1994, 04, C4-389-C4-392.	0.2	4
122	0.85 and 1.54 μm emissions of CaF <sub>2</sub> :Er <sup>3+</sup> layers grown by molecular beam epitaxy. European Physical Journal Special Topics, 1994, 04, C4-397-C4-401.	0.2	0
123	Site selection spectroscopy in CaF <sub>2</sub> : Nd <sup>3+</sup> films grown by molecular beam epitaxy. Solid State Communications, 1993, 85, 257-261.	0.9	7
124	Optical Detection of Ion Impurity Sites in Doped LiNbO <sub>3</sub> . Journal of the Electrochemical Society, 1993, 140, 2010-2015.	1.3	24
125	Influence of the stoichiometry in the site distribution of Cr <sup>3+</sup> ions in LiNbO <sub>3</sub> . Applied Physics Letters, 1993, 62, 1887-1888.	1.5	6
126	Er <sup>3+</sup> -doping of CaF <sub>2</sub> layers grown by molecular beam epitaxy. Applied Physics Letters, 1993, 62, 2616-2618.	1.5	30



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127	Infrared fluorescence spectra of Nd <sup>3+</sup> sites in gadolinium gallium garnet: Nd and gadolinium gallium garnet: Nd, Cr. Journal of Applied Physics, 1992, 72, 5876-5880.	1.1	12
128	Molecular beam epitaxy of Nd <sup>3+</sup> -doped CaF <sub>2</sub> and CaSrF <sub>2</sub> layers on Si and GaAs substrates. Journal of Applied Physics, 1992, 72, 499-503.	1.1	17
129	Blue emission in Ti-sapphire laser crystals. Applied Physics A: Solids and Surfaces, 1992, 55, 144-147.	1.4	19
130	Characterization of titanium induced optical absorption bands in phosphate glasses. Journal of Non-Crystalline Solids, 1991, 127, 267-272.	1.5	44
131	Optimal growth conditions for molecular beam epitaxy of Nd <sup>3+</sup> -doped CaF <sub>2</sub> . Applied Physics Letters, 1991, 59, 3511-3513.	1.5	15
132	X-ray absorption study of the Ti coordination in P <sub>2</sub> O <sub>5</sub> -xNa <sub>2</sub> O-yAl <sub>2</sub> O <sub>3</sub> glasses. Physica Status Solidi A, 1991, 127, 335-340.	1.7	3
133	Growth and optical characterization of titanium-doped LiF. Journal Physics D: Applied Physics, 1991, 24, 622-625.	1.3	7
134	Effect of Nd <sup>3+</sup> concentration on the emission spectra of CaF <sub>2</sub> :Nd layers grown by molecular beam epitaxy. Journal of Applied Physics, 1991, 70, 4485-4489.	1.1	16
135	Nd <sup>3+</sup> incorporation in CaF <sub>2</sub> layers grown by molecular beam epitaxy. Applied Physics Letters, 1991, 59, 152-154.	1.5	27
136	OPTICAL CHARACTERIZATION OF Nd <sup>3+</sup> DOPED CaF <sub>2</sub> LAYERS GROWN BY MOLECULAR BEAM EPITAXY. European Physical Journal Special Topics, 1991, 01, C7-297-C7-301.	0.2	1
137	Laser excited luminescence in Ti-doped MgAl <sub>2</sub> O <sub>4</sub> spinel. Journal of Applied Physics, 1990, 68, 736-740.	1.1	31
138	Ultraviolet laser excited luminescence of Ti-sapphire. Journal of Physics Condensed Matter, 1990, 2, 9919-9925.	0.7	23
139	Photoluminescence of Ti <sup>3+</sup> in P <sub>2</sub> O <sub>5</sub> -Na <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> glass. Journal of Materials Science, 1988, 23, 1921-1922.	1.7	31
140	Photoluminescence of Ti <sup>3+</sup> in phosphate glasses. Journal of Luminescence, 1988, 40-41, 193-194.	1.5	5
141	Optical spectroscopy of Pb <sup>2+</sup> in doubly doped KCl: Sr(Pb): Detection of Sr precipitates. Physical Review B, 1987, 35, 2917-2922.	1.1	1
142	Photostimulated luminescence in PbHPO <sub>4</sub> near TC. Solid State Communications, 1987, 61, 615-617.	0.9	8
143	Optical detection of SrCl <sub>2</sub> precipitates in KCl. Journal of Molecular Structure, 1986, 143, 79-82.	1.8	1