Luisa E Bausa

List of Publications by Year
in descending order

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143 papers	2,773 citations	159358 30 h-index	253896 43 g-index
145 all docs	145 docs citations	145 times ranked	2133 citing authors

#	Article	IF	Citations
1	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
2	Nd3+â†'Yb3+energy transfer in theYAl3(BO3)4nonlinear laser crystal. Physical Review B, 2003, 68, .	1.1	89
3	Strontium Barium Niobate as a Multifunctional Twoâ€Ðimensional Nonlinear â€œPhotonic Glassâ€. Advanced Functional Materials, 2008, 18, 709-715.	7.8	86
4	Infrared and self-frequency doubled laser action in Yb3+-doped LiNbO3:MgO. Applied Physics Letters, 1999, 74, 3113-3115.	1.5	80
5	Coherent Light Generation from aNdâ^¶SBNNonlinear Laser Crystal through its Ferroelectric Phase Transition. Physical Review Letters, 2005, 95, 267401.	2.9	67
6	Continuous wave infrared laser action, self-frequency doubling, and tunability of Yb3+:MgO:LiNbO3. Journal of Applied Physics, 2000, 87, 4056-4062.	1.1	65
7	Rare earth and transition metal ion centers in LiNbO3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 1571-1581.	2.0	57
8	Optical characterization of crystals. Journal of Physics Condensed Matter, 1999, 11, 311-320.	0.7	51
9	Tm3+ doped oxy-fluoride glass-ceramics containing NaLaF4 nano-crystals. Optical Materials, 2010, 33, 180-185.	1.7	50
10	Phase transition in SrxBa1â^'xNb2O6ferroelectric crystals probed by Raman spectroscopy. Journal Physics D: Applied Physics, 2006, 39, 4930-4934.	1.3	46
11	Effects of <scp><scp>Tm</scp></scp>³⁺ Additions on the Crystallization of <scp><scp>LaF</scp></scp>₃ Nanocrystals in Oxyfluoride Glasses: Optical Characterization and Upâ€Conversion. Journal of the American Ceramic Society, 2013, 96, 447-457.	1.9	46
12	Characterization of titanium induced optical absorption bands in phosphate glasses. Journal of Non-Crystalline Solids, 1991, 127, 267-272.	1.5	44
13	Optical spectroscopy ofPr3+ions inLiNbO3. Physical Review B, 1995, 51, 16643-16650.	1.1	44
14	Plasmon-Assisted Nd³⁺-Based Solid-State Nanolaser. Nano Letters, 2016, 16, 895-899.	4.5	44
15	Self-frequency doubling in Yb3+ doped periodically poled LiNbO3:MgO bulk crystal. Applied Physics Letters, 2000, 76, 1374-1376.	1.5	43
16	RBS/channeling to locate active ions in laser materials: application to rare earth activated LiNbO3. Optical Materials, 1997, 8, 55-63.	1.7	39
17	Cooperative luminescence in Yb3+:LiNbO3. Journal of Luminescence, 2000, 87-89, 1036-1038.	1.5	38
18	Evaluation of ytterbium doped strontium barium niobate as a potential tunable laser crystal in the visible. Journal of Applied Physics, 2004, 95, 6185-6191.	1.1	38

#	Article	IF	Citations
19	Near infrared and visible tunability from a diode pumped Nd3+ activated strontium barium niobate laser crystal. Applied Physics B: Lasers and Optics, 2005, 81, 827-830.	1.1	38
20	Spontaneous Emission and Nonlinear Response Enhancement by Silver Nanoparticles in a Nd³⁺â€Doped Periodically Poled LiNbO₃ Laser Crystal. Advanced Materials, 2013, 25, 910-915.	11.1	38
21	BaMgF₄: An Ultraâ€Transparent Twoâ€Dimensional Nonlinear Photonic Crystal with Strong Ï‡⁽³⁾ Response in the UV Spectral Region. Advanced Functional Materials, 2014, 24, 1509-1518.	7.8	36
22	CaF2:Er3+ molecular beam epitaxial layers as optical waveguides. Applied Physics Letters, 1996, 68, 3242-3244.	1.5	35
23	Optical absorption intensities and fluorescence dynamics of ions in. Journal of Physics Condensed Matter, 1996, 8, 5781-5791.	0.7	35
24	Spectroscopic and laser properties of Nd3+ in SBN. Journal of Luminescence, 2000, 87-89, 877-879.	1.5	34
25	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
26	Two dimensional ferroelectric domain patterns in Yb3+ optically active LiNbO3 fabricated by direct electron beam writing. Applied Physics Letters, 2013, 102, .	1.5	33
27	Lattice location ofPr3+ions inLiNbO3. Physical Review B, 1995, 52, 6278-6284.	1.1	32
28	Photoluminescence of Ti3+ in P2O5-Na2O-Al2O3 glass. Journal of Materials Science, 1988, 23, 1921-1922.	1.7	31
29	Laserâ€excited luminescence in Tiâ€doped MgAl2O4spinel. Journal of Applied Physics, 1990, 68, 736-740.	1.1	31
30	Er3+doping of CaF2layers grown by molecular beam epitaxy. Applied Physics Letters, 1993, 62, 2616-2618.	1.5	30
31	Temperature dependence of Nd3+â†”Yb3+ energy transfer in the YAl3(BO3)4 nonlinear laser crystal. Journal of Applied Physics, 2005, 97, 093510.	1.1	30
32	Luminescence of lanthanide ions in strontium barium niobate. Journal of Luminescence, 2007, 122-123, 307-310.	1.5	30
33	Thermal hysteresis in the luminescence ofYb3+ions inSr0.6Ba0.4Nb2O6. Physical Review B, 2006, 73, .	1.1	29
34	Directional dependence of the second harmonic response in two-dimensional nonlinear photonic crystals. Applied Physics Letters, 2010, 96, .	1.5	29
35	Experimental evidence of charged domain walls in lead-free ferroelectric ceramics: light-driven nanodomain switching. Nanoscale, 2018, 10, 705-715.	2.8	29
36	Yb3+ distribution in LiNbO3:(MgO) studied by cooperative luminescence. Journal of Chemical Physics, 2001, 114, 3200-3207.	1.2	28

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37	Thermal hysteresis in the luminescence of Cr3+ ions in Sr0.6Ba0.4 (NbO3)2. Applied Physics Letters, 2004, 84, 2787-2789.	1.5	28
38	Nd3+incorporation in CaF2layers grown by molecular beam epitaxy. Applied Physics Letters, 1991, 59, 152-154.	1.5	27
39	Thermal lens and heat generation of Nd:YAG lasers operating at 1.064 and 1.34 Î¼m. Optics Express, 2008, 16, 6317.	1.7	27
40	Nonlinear prism based on the natural ferroelectric domain structure in calcium barium niobate. Applied Physics Letters, 2009, 94, .	1.5	27
41	Simultaneous generation of second to fifth harmonic conical beams in a two dimensional nonlinear photonic crystal. Optics Express, 2012, 20, 29940.	1.7	26
42	Optical Detection of Ion Impurity Sites in Doped LiNbO3. Journal of the Electrochemical Society, 1993, 140, 2010-2015.	1.3	24
43	Narrow inhomogeneous and homogeneous optical linewidths in a rare earth doped transparent ceramic. Physical Review B, 2013, 87, .	1.1	24
44	Ultraviolet laser excited luminescence of Ti-sapphire. Journal of Physics Condensed Matter, 1990, 2, 9919-9925.	0.7	23
45	1.54 Î¼m wavelength emission of highly Erâ€doped CaF2layers grown by molecularâ€beam epitaxy. Journal of Applied Physics, 1994, 76, 270-273.	1.1	23
46	Influence of Nd^3+ and Yb^3+ concentration on the Nd^3+â†'Yb^3+ energy-transfer efficiency in the YAl_3(BO_3)_4 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
47	Multifunctional solid state lasers based on ferroelectric crystals. Optical Materials, 2012, 34, 524-535.	1.7	23
48	EPR spectroscopy of Yb3+ in LiNbO3 and Mg:LiNbO3. Journal of Alloys and Compounds, 2001, 323-324, 340-343.	2.8	22
49	Probability ofYb3+4fâ^'4ftransitions in gadolinium gallium garnet crystals at high hydrostatic pressures. Physical Review B, 2007, 75, .	1.1	22
50	Effect of electron beam writing parameters for ferroelectric domain structuring LiNbO3:Nd3+. Optical Materials, 2009, 31, 1777-1780.	1.7	21
51	Micro-spectroscopic characterization of ferroelectric domain structures in Yb^3+:LiNbO_3 prepared by electron beam writing. Optical Materials Express, 2014, 4, 1077.	1.6	21
52	Rare-earth doped transparent ceramics for spectral filtering and quantum information processing. APL Materials, 2015, 3, .	2.2	21
53	Optical characterization of Ho3+ions in LiNbO3and in LiNbO3:MgO crystals. Journal of Physics Condensed Matter, 1994, 6, 1065-1078.	0.7	20
54	Temperature dependence of the optical properties of Yb3+ ions in LiNbO3 crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 2081-2085.	2.0	20

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55	Multiwavelength laser action of Nd3+:YAlO3 single crystals grown by the laser heated pedestal growth method. Optical Materials, 2004, 24, 643-650.	1.7	20
56	Plasmon-induced dual-wavelength operation in a Yb3+ laser. Light: Science and Applications, 2019, 8, 14.	7.7	20
57	Blue emission in Ti-sapphire laser crystals. Applied Physics A: Solids and Surfaces, 1992, 55, 144-147.	1.4	19
58	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
59	Influence of hydrostatic pressure on radiative transition probability of the intrashell4ftransitions inYb3+ions in lithium niobate crystals. Physical Review B, 2005, 72, .	1.1	18
60	Plasmonic enhancement of second harmonic generation from nonlinear RbTiOPO_4 crystals by aggregates of silver nanostructures. Optics Express, 2016, 24, 8491.	1.7	18
61	Hybrid Plasmonicâ€“Ferroelectric Architectures for Lasing and SHG Processes at the Nanoscale. Advanced Materials, 2019, 31, e1901428.	11.1	18
62	Molecular beam epitaxy of Ndâ€doped CaF2and CaSrF2layers on Si and GaAs substrates. Journal of Applied Physics, 1992, 72, 499-503.	1.1	17
63	Magnetic circular dichroism of Nd3+ and Yb3+ ions in LiNbO3 crystals. Journal of Chemical Physics, 1999, 111, 6042-6046.	1.2	17
64	Selective Plasmon Enhancement of the 1.08 Î¼m Nd³⁺ Laser Stark Transition by Tailoring Ag Nanoparticles Chains on a PPLN Y-cut. Nano Letters, 2013, 13, 4931-4936.	4.5	17
65	2D Arrays of Hexagonal Plasmonic Necklaces for Enhanced Second Harmonic Generation. Advanced Materials, 2017, 29, 1605267.	11.1	17
66	Effect of Nd3+concentration on the emission spectra of CaF2:Nd layers grown by molecularâ€beam epitaxy. Journal of Applied Physics, 1991, 70, 4485-4489.	1.1	16
67	Effect of growth temperature and doping concentration on the distribution of the emitting centers in CaF2:Er molecular beam epitaxial layers. Journal of Applied Physics, 1994, 75, 2749-2752.	1.1	16
68	Electronâ€“phonon coupling in Yb3+:LiNbO3 laser crystal. Journal of Luminescence, 2001, 94-95, 701-705.	1.5	16
69	Spectroscopic study of Y b3+centres in the Y Al3(BO3)4nonlinear laser crystal. Journal of Physics Condensed Matter, 2003, 15, 7789-7801.	0.7	16
70	Optical performance of Yb3+ in LiNbO3 laser crystal. Physica Status Solidi A, 2004, 201, 289-297.	1.7	16
71	Optimal growth conditions for molecularâ€beam epitaxy of Nd3+doped CaF2. Applied Physics Letters, 1991, 59, 3511-3513.	1.5	15
72	Controlling solid state gain media by deposition of silver nanoparticles: from thermally- quenched to plasmon-enhanced Nd^3+ luminescence. Optics Express, 2015, 23, 15670.	1.7	14

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73	Nd3+ ion shift under domain inversion by electron beam writing in LiNbO3. Applied Physics Letters, 2007, 90, 141901.	1.5	13
74	Luminescence of Rare Earth Ions in Strontium Barium Niobate Around the Phase Transition: The Case of Tm3 + Ions. Ferroelectrics, 2008, 363, 150-162.	0.3	13
75	Infrared fluorescence spectra of Nd3+sites in gadolinium gallium garnet:Nd and gadolinium gallium garnet:Nd,Cr. Journal of Applied Physics, 1992, 72, 5876-5880.	1.1	12
76	Excited state absorption around 1060 nm of Nd3+ ions in Ba2NaNb5O15 crystal. Optics Communications, 2001, 191, 371-375.	1.0	12
77	74% Slope efficiency from a diode-pumped Yb3+:LiNbO3:MgO laser crystal. Applied Physics B: Lasers and Optics, 2003, 77, 621-623.	1.1	12
78	Blue SHG Enhancement by Silver Nanocubes Photochemically Prepared on a RbTiOPO₄ Ferroelectric Crystal. Advanced Materials, 2014, 26, 6447-6453.	11.1	12
79	Polarization-selective enhancement of Nd3+ photoluminescence assisted by linear chains of silver nanoparticles. Journal of Luminescence, 2016, 169, 569-573.	1.5	12
80	Multiline Operation from a Single Plasmon-Assisted Laser. ACS Photonics, 2018, 5, 406-412.	3.2	12
81	Infrared to green up conversion in Er3+:CaF2 layers grown by molecular beam epitaxy. Solid State Communications, 1995, 94, 379-383.	0.9	11
82	Crystal field and energy levels of centres in. Journal of Physics Condensed Matter, 1998, 10, 7653-7664.	0.7	11
83	Anisotropic enhancement of Yb³⁺ luminescence by disordered plasmonic networks self-assembled on RbTiOPO₄ ferroelectric crystals. Nanoscale, 2017, 9, 16166-16174.	2.8	11
84	Hysteretic behaviour in the fluorescence of Yb3+ in LiNbO3:MgO crystals. Journal of Luminescence, 2003, 102-103, 206-210.	1.5	10
85	High-pressure-induced ferroelectric phase transition in theYb3+:Sr0.6Ba0.4Nb2O6crystal at liquid helium temperature. Physical Review B, 2006, 74, .	1.1	10
86	Emergent room temperature polar phase in CaTiO3 nanoparticles and single crystals. APL Materials, 2019, 7, .	2.2	10
87	Optical spectroscopy of Er3+-doped Bi12SiO20 piezoelectric crystal. Journal of Alloys and Compounds, 2002, 341, 275-279.	2.8	9
88	Site location and crystal field ofNd3+ions in congruent strontium barium niobate. Physical Review B, 2009, 80, .	1.1	9
89	Photostimulated luminescence in PbHPO4 near TC. Solid State Communications, 1987, 61, 615-617.	0.9	8
90	Spectroscopy of uranium ions in linbo3crystals. Ferroelectrics, 1996, 185, 41-44.	0.3	8

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91	Site-selective spectroscopy of Er3+ions in the Bi12SiO20piezoelectric crystal. Journal of Physics Condensed Matter, 2001, 13, 11067-11076.	0.7	8
92	Neodymium doping in UV-IR transparent ferroelectric BaMgF4. Journal of Applied Physics, 2010, 107, .	1.1	8
93	Growth and optical characterization of titanium-doped LiF. Journal Physics D: Applied Physics, 1991, 24, 622-625.	1.3	7
94	Site selection spectroscopy in CaF2 : Nd3+ films grown by molecular beam epitaxy. Solid State Communications, 1993, 85, 257-261.	0.9	7
95	Optical spectroscopy of Nd3+-doped KGd(WO4)2 monocrystals. Journal of Luminescence, 1997, 72-74, 253-254.	1.5	7
96	Growth and characterization of Nd-doped SBN single crystal fibers. Applied Physics A: Materials Science and Processing, 2004, 78, 1037-1042.	1.1	7
97	Spectroscopic study of radiative intra-configurational 4fâ†'4f transitions in Yb3+-doped materials using high hydrostatic pressure. Journal of Luminescence, 2016, 169, 507-515.	1.5	7
98	Plasmon enhanced energy-transfer up-conversion in Yb 3+ -Er 3+ co-doped LiNbO 3 crystal. Optical Materials, 2017, 63, 173-178.	1.7	7
99	Influence of the stoichiometry in the site distribution of Cr3+ions in LiNbO3. Applied Physics Letters, 1993, 62, 1887-1888.	1.5	6
100	CW end-pumped Nd3+:LaBGeO5 mini laser for self-frequency-doubling. Journal of Luminescence, 1997, 72-74, 816-818.	1.5	6
101	Photoluminescence of Bi12SiO20:Er3+ excited in the commercial laser diode emission region. Journal of Materials Science Letters, 2002, 21, 1517-1519.	0.5	6
102	Site-selective study of Nd3+ optical centers in Ca3Sc2Ge3O12 laser garnet crystals. Journal of Applied Physics, 2004, 95, 1774-1779.	1.1	6
103	Selective rearrangement ofNd3+centers inLiNbO3under ferroelectric domain inversion by electron beam writing. Physical Review B, 2008, 78, .	1.1	6
104	Optical spectroscopy of neodymium-doped calcium barium niobate ferroelectric crystals. Journal of Luminescence, 2009, 129, 1658-1660.	1.5	6
105	Photoluminescence of Ti3+ in phosphate glasses. Journal of Luminescence, 1988, 40-41, 193-194.	1.5	5
106	Rare Earth Ion Doped Non Linear Laser Crystals. Radiation Effects and Defects in Solids, 2003, 158, 231-239.	0.4	5
107	Optical spectroscopy of Yb3+-doped Ca3Sc2Ge3O12 garnet crystal. Journal of Applied Physics, 2006, 99, 013507.	1.1	5
108	Ultrabroadband generation of multiple concurrent nonlinear coherent interactions in random quadratic media. Applied Physics Letters, 2013, 103, 101101.	1.5	5

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109	VUVâ€“UV 5dâ€“4f interconfigurational transitions of Nd3+ in BaMgF4 ferroelectric crystals. Journal of Luminescence, 2014, 153, 136-139.	1.5	5
110	Field enhancement and spectral features of hexagonal necklaces of silver nanoparticles for enhanced nonlinear optical processes. Optics Express, 2018, 26, 22394.	1.7	5
111	Flourescence and 1.06â€”0.53 Î¼m second harmonic generation in Nd 3+ doped LaBGeO 5. Journal of Luminescence, 1994, 60-61, 78-80.	1.5	4
112	Optical Properties of Active Ions Around the Ferro-Paraelectric Phase Transition in SBN Crystals. Ferroelectrics, 2006, 337, 33-39.	0.3	4
113	Improvement of laser gain by microdomain compensation effects in Nd:SrBa(Nb3O)2 lasers. Journal of Applied Physics, 2007, 102, 053101.	1.1	4
114	Micrometric spatial control of rare earth ion emission in LiNbO3: A two-dimensional multicolor array. Applied Physics Letters, 2009, 95, 051103.	1.5	4
115	Suppression of Q-switching instabilities in a passively mode-locked Nd:Y3Al5O12 ceramic laser. Optical Materials, 2009, 31, 725-728.	1.7	4
116	Optical spectroscopy of Yb3+ centers in BaMgF4 ferroelectric crystal. Journal of Applied Physics, 2011, 110, 063102.	1.1	4
117	Second Harmonic Conical Waves for Symmetry Studies in $chi^{(2)}$ Nonlinear Photonic Crystals. Applied Physics Express, 2011, 4, 082202.	1.1	4
118	Site-selective spectroscopy of Nd³⁺ in the Ca₃Ga₂Ge₃O₁₂ laser crystal. European Physical Journal Special Topics, 1994, 04, C4-389-C4-392.	0.2	4
119	X-ray absorption study of the Ti coordination in P2O5ï£¿Na2Oï£¿Al2O3 glasses. Physica Status Solidi A, 1991, 127, 335-340.	1.7	3
120	formation in Nd-doped pyrite films. Journal of Physics Condensed Matter, 1997, 9, 9483-9495.	0.7	3
121	Intracavity thermal loading measurements and evaluation of the intrinsic fluorescence quantum efficiency in Yb3+:LiNbO3:MgO lasers. Applied Physics Letters, 2006, 89, 091122.	1.5	3
122	Rare earth doped ring-shaped luminescent micro-composites on patterned ferroelectrics. Optics Express, 2010, 18, 18269.	1.7	3
123	Local environment of optically active Nd3+ions in the ultratransparent BaMgF4ferroelectric crystal. Physical Review B, 2012, 85, .	1.1	3
124	Spectral Narrowing in a Subwavelength Solid-State Laser. ACS Photonics, 2019, 6, 2327-2334.	3.2	3
125	Spatial coherence from Nd³⁺ quantum emitters mediated by a plasmonic chain. Optics Express, 2021, 29, 26244.	1.7	3
126	Enhancing Nonlinear Interactions by the Superposition of Plasmonic Lattices on Ï‡⁽²⁾-Nonlinear Photonic Crystals. ACS Photonics, 2021, 8, 2529-2537.	3.2	3

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127	Pr³⁺-Based Fluorescent TiO₂ Split Ring Resonator-Like Crystalline Microstructures. Science of Advanced Materials, 2013, 5, 921-926.	0.1	3
128	EPR and optical study of uranium-doped LiNbO3single crystals. Radiation Effects and Defects in Solids, 1999, 149, 363-367.	0.4	2
129	Modulation of the Yb3+ to Er3+ energy transfer in LiNbO3 crystals by applying magnetic field. Journal of Alloys and Compounds, 2001, 323-324, 344-347.	2.8	2
130	Non equivalent optical centres in Pr³⁺ doped LiNbO₃. European Physical Journal Special Topics, 1994, 04, C4-381-C4-384.	0.2	2
131	Optical detection of SrCl2 precipitates in KCl. Journal of Molecular Structure, 1986, 143, 79-82.	1.8	1
132	Optical spectroscopy ofPb2+in doubly doped KCl:Sr(Pb): Detection of Sr precipitates. Physical Review B, 1987, 35, 2917-2922.	1.1	1
133	Site selective spectroscopy under high magnetic field in KGd(WO4)2:Nd crystals. Optical Materials, 1999, 13, 27-32.	1.7	1
134	Spontaneous and stimulated emission of Nd3+ in the nonlinear crystal Gd0.2Y0.8Al3(BO3)4. Journal of Alloys and Compounds, 2002, 341, 280-282.	2.8	1
135	Fabrication of Domain Inverted Structures by Direct Electron Bombardment in LiNbO3Crystals and its Characterization. Ferroelectrics, 2006, 334, 67-72.	0.3	1
136	Bistable luminescence of trivalent rare-earth ions in crystals. Journal of Luminescence, 2006, 119-120, 314-317.	1.5	1
137	Arrays of micro-cavities activated with laser ions. Journal of Luminescence, 2011, 131, 382-385.	1.5	1
138	Infrared to visible up conversion energy transfer confined at ordered micro-ring structures. Optical Materials, 2012, 34, 2035-2040.	1.7	1
139	OPTICAL CHARACTERIZATION OF Nd3+ DOPED CaF2 LAYERS GROWN BY MOLECULAR BEAM EPITAXY. European Physical Journal Special Topics, 1991, 01, C7-297-C7-301.	0.2	1
140	Optical spectroscopy of Nd3+ ions in GdXY1â^'XAl3(BO3)4. Journal of Alloys and Compounds, 2001, 323-324, 355-357.	2.8	0
141	Yb3+sites in YAl 3 (BO 3) 4 nonlinear crystals. , 2003, , .		0
142	Giant Second Harmonic Generation Enhancement by Ag Nanoparticles Compactly Distributed on Hexagonal Arrangements. Nanomaterials, 2021, 11, 2394.	1.9	0
143	0.85 and 1.54 Âµm emissions of CaF₂:Er³⁺ layers grown by molecular beam epitaxy. European Physical Journal Special Topics, 1994, 04, C4-397-C4-401.	0.2	0