

# Enrico Cavalli

## List of Publications by Year in descending order

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135  
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137  
docs citations

137  
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3195  
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#	ARTICLE	IF	CITATIONS
1	Efficient 1400–1600-nm Circularly Polarized Luminescence from a Tuned Chiral Erbium Complex. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	20
2	Structural effects on the emission dynamics of oxide crystals activated with Tb <sup>3+</sup> . <i>Journal of Solid State Chemistry</i> , 2021, 301, 122306.	1.4	1
3	Development and Applications of Transition Metal or Rare Earth-Based Luminescent Inorganic Materials. <i>Crystals</i> , 2020, 10, 1120.	1.0	2
4	Synthesis mechanism of SiC/SiO <sub>2</sub> core/shell nanowires grown by chemical vapor deposition. <i>Nano Express</i> , 2020, 1, 020038.	1.2	1
5	Comparative Investigation on the Emission Properties of RAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> (R = Pr, Eu, Tb, Dy, Tm, Yb) Crystals with the Huntite Structure. <i>Crystals</i> , 2019, 9, 44.	1.0	7
6	(INVITED) Optical spectroscopy of Dy <sup>3+</sup> in crystalline hosts: General aspects, personal considerations and some news. <i>Optical Materials: X</i> , 2019, 1, 100014.	0.3	8
7	Morphological, spectroscopic and photocatalytic properties of Eu <sup>3+</sup> :TiO <sub>2</sub> synthesized by solid-state and hydrothermal-assisted sol-gel processes. <i>Ceramics International</i> , 2019, 45, 3675-3679.	2.3	13
8	Crystal growth and optimization of Pr:CaGdAlO <sub>4</sub> by the flux-Czochralski method. <i>CrystEngComm</i> , 2018, 20, 590-596.	1.3	8
9	Tunable luminescence and energy transfer properties in YPO <sub>4</sub> :Tb <sup>3+</sup> , Eu <sup>3+</sup> /Tb <sup>3+</sup> phosphors. <i>Journal of Luminescence</i> , 2018, 194, 96-101.	1.5	34
10	Tunable luminescence and near white-light emission of YPO <sub>4</sub> :Eu <sup>3+</sup> ,Tb <sup>3+</sup> ,Tm <sup>3+</sup> phosphors. <i>Journal of Alloys and Compounds</i> , 2018, 763, 56-61.	2.8	25
11	Nanophotonic rare-earth quantum memory with optically controlled retrieval. <i>Science</i> , 2017, 357, 1392-1395.	6.0	221
12	Optical spectra and excited state dynamics of Sm <sup>3+</sup> -doped YVO <sub>4</sub> and YPO <sub>4</sub> crystals. <i>Journal of Luminescence</i> , 2017, 183, 173-177.	1.5	6
13	High-pressure behavior of CaMoO <sub>4</sub> . <i>Physical Review Materials</i> , 2017, 1, .	0.9	15
14	Optical spectra of Dy <sup>3+</sup> -doped GdVO <sub>4</sub> and Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> crystals and evaluation of the $\frac{I_{647}}{I_{688}}$ ratio as a quality factor for the classification of Dy <sup>3+</sup> -activated crystalline hosts. <i>Optical Materials</i> , 2016, 61, 45-49.	1.7	10
15	Luminescence dynamics in CaWO <sub>4</sub> :Pr <sup>3+</sup> powders and single crystals. <i>Journal of Luminescence</i> , 2016, 169, 450-453.	1.5	21
16	Energy levels in CaWO <sub>4</sub> :Tb <sup>3+</sup> at high pressure. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 32341-32346.	1.3	16
17	Modeling the lattice parameters of zircon-type MXO <sub>4</sub> (M=divalent, trivalent or tetravalent metal, X=V,) <a href="#">Tj ETQq1 1 0,784314 rgBT /Over</a>	1.4	1,4
18	Optical processes in YVO <sub>4</sub> :Eu <sup>3+</sup> across zircon-to-scheelite phase transition. <i>Journal of Luminescence</i> , 2015, 165, 19-22.	1.5	8

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19	Spectroscopic investigations on SrAl <sub>2</sub> O <sub>4</sub> polymorphs. Journal of Luminescence, 2015, 159, 158-165.	1.5	8
20	YAG:Pr <sup>3+</sup> transparent ceramics for applications in photonics: synthesis and characterization. Materials Research Express, 2014, 1, 045903.	0.8	16
21	Tunable luminescence of Bi <sup>3+</sup> -doped YP <sub>x</sub> V <sub>1-x</sub> O <sub>4</sub> (0 ≤ x ≤ 1). J. Appl. Phys. 114, 073104 (2013)	0.7	10,784,314
22	Effects of pumping wavelength and pump density on the random laser performance of stoichiometric Nd crystal powders. Optics Express, 2014, 22, 27365.	1.7	15
23	Polycrystalline Yb <sup>3+</sup> –Er <sup>3+</sup> -co-doped YAG: Fabrication, TEM-EDX characterization, spectroscopic properties, and comparison with the single crystal. Journal of Materials Research, 2014, 29, 2288-2296.	1.2	9
24	Luminescence spectroscopy of YVO <sub>4</sub> :Ln <sup>3+</sup> , Bi <sup>3+</sup> (Ln <sup>3+</sup> =Eu <sup>3+</sup> , Sm <sup>3+</sup> , Dy <sup>3+</sup> ) phosphors. Optical Materials, 2014, 36, 1642-1648.	1.7	28
25	Optical properties and electronic band structure of BiMg <sub>2</sub> PO <sub>6</sub> , BiMg <sub>2</sub> VO <sub>6</sub> , BiMg <sub>2</sub> VO <sub>6</sub> :Pr <sup>3+</sup> and BiMg <sub>2</sub> VO <sub>6</sub> :Eu <sup>3+</sup> . Optical Materials, 2014, 36, 1724-1729.	1.7	56
26	Luminescence dynamics of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Sm <sup>3+</sup> crystals. Journal of Luminescence, 2013, 143, 562-565.	1.5	16
27	Synthesis and optical spectroscopy of transparent YAG ceramics activated with Er <sup>3+</sup> . Journal of the European Ceramic Society, 2013, 33, 1425-1434.	2.8	45
28	Emission properties of Sm <sup>3+</sup> /Bi <sup>3+</sup> -doped YPO <sub>4</sub> phosphors. Journal of Luminescence, 2013, 135, 239-242.	1.5	23
29	Luminescence of CaWO <sub>4</sub> :Pr <sup>3+</sup> and CaWO <sub>4</sub> :Tb <sup>3+</sup> at ambient and high hydrostatic pressures. Radiation Measurements, 2013, 56, 1-5.	0.7	21
30	High pressure luminescence spectra of CaMoO <sub>4</sub> :Ln <sup>3+</sup> (Ln = Pr, Tb). Journal of Physics Condensed Matter, 2013, 25, 105502.	0.7	22
31	Optical spectroscopy of Tm <sup>3+</sup> –YAG transparent ceramics. Journal Physics D: Applied Physics, 2013, 46, 375301.	1.3	16
32	Photon conversion in Bi <sup>3+</sup> /Pr <sup>3+</sup> -codoped CaTiO <sub>3</sub> . Journal of Physics Condensed Matter, 2012, 24, 295502.	0.7	8
33	Luminescence properties of K <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> :Pr <sup>3+</sup> and Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> :Pr <sup>3+</sup> . Journal of Physics Condensed Matter, 2012, 24, 075502.	0.7	10
34	Synthesis and spectroscopic characterization of YPO <sub>4</sub> activated with Tb <sup>3+</sup> and effect of Bi <sup>3+</sup> co-doping on the luminescence properties. Journal of Solid State Chemistry, 2012, 192, 289-295.	1.4	24
35	Pressure effects on the luminescence properties of CaWO <sub>4</sub> :Pr <sup>3+</sup> . Optical Materials, 2012, 34, 2012-2016.	1.7	29
36	High pressure luminescence spectra of CaMoO <sub>4</sub> :Pr <sup>3+</sup> . Journal of Physics Condensed Matter, 2012, 24, 215402.	0.7	11

#	ARTICLE	IF	CITATIONS
37	Optical spectroscopy and excited state dynamics of CaMoO <sub>4</sub> :Pr <sup>3+</sup> . Journal of Solid State Chemistry, 2012, 185, 136-142.	1.4	35
38	Predicting metal-to-metal charge transfer in closed-shell transition metal oxides doped with Bi <sup>3+</sup> or Pb <sup>2+</sup> . Chemical Physics Letters, 2011, 503, 239-243.	1.2	69
39	Y(P,V)O <sub>4</sub> :Dy <sup>3+</sup> phosphors for white light generation: Emission dynamics and host effect. Journal of Solid State Chemistry, 2011, 184, 1843-1849.	1.4	18
40	Energy levels and crystal-field analysis of Tm <sup>3+</sup> in YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> crystals. Journal of Luminescence, 2011, 131, 2010-2015.	1.5	26
41	Luminescence Dynamics in Tb <sup>3+</sup> -Doped CaWO <sub>4</sub> and CaMoO <sub>4</sub> Crystals. Inorganic Chemistry, 2010, 49, 4916-4921.	1.9	140
42	Optical spectra of Dy <sup>3+</sup> in KY <sub>3</sub> F <sub>10</sub> and LiLuF <sub>4</sub> crystalline fibers. Journal of Luminescence, 2010, 130, 13-17.	1.5	52
43	Optical spectroscopy of Er <sup>3+</sup> -doped LaVO <sub>4</sub> crystal. Journal of Luminescence, 2010, 130, 131-136.	1.5	21
44	Luminescence properties of Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> crystals activated with Sm <sup>3+</sup> , Eu <sup>3+</sup> , Tb <sup>3+</sup> or Dy <sup>3+</sup> ions. Journal of Luminescence, 2010, 130, 733-736.	1.5	55
45	Efficient optical pumping of Zeeman spin levels in. Journal of Luminescence, 2010, 130, 1566-1571.	1.5	30
46	Optical gain in Er <sup>3+</sup> -doped transparent LuVO <sub>4</sub> crystal at 850nm. Optical Materials, 2010, 32, 475-478.	1.7	8
47	Lanthanide level location in transition metal complex compounds. Optical Materials, 2010, 32, 1681-1685.	1.7	136
48	Structural effects on the emission properties of Pr <sup>3+</sup> -doped Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> crystals. Journal Physics D: Applied Physics, 2010, 43, 455404.	1.3	3
49	Optical transition probabilities in Er <sup>3+</sup> - and Tm <sup>3+</sup> -doped LiLa <sub>9</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> crystals. Journal of Physics Condensed Matter, 2010, 22, 215901.	0.7	9
50	Optical amplification in Er <sup>3+</sup> -doped transparent Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> single crystal at 850 nm. Journal of Applied Physics, 2009, 106, 113108.	1.1	8
51	High pressure evolution of YVO <sub>4</sub> :Pr <sup>3+</sup> luminescence. Journal of Physics Condensed Matter, 2009, 21, 105401.	0.7	23
52	About red afterglow in Pr <sup>3+</sup> -doped titanate perovskites. Journal Physics D: Applied Physics, 2009, 42, 045106.	1.3	88
53	Energy levels and emission parameters of the Dy <sup>3+</sup> ion doped into the YPO <sub>4</sub> host lattice. Journal of Physics Condensed Matter, 2009, 21, 275501.	0.7	32
54	Structural and morphological characterization of flux grown YTa <sub>7</sub> O <sub>19</sub> , Nd:YTa <sub>7</sub> O <sub>19</sub> , Nd:LaTa <sub>7</sub> O <sub>19</sub> and NdTa <sub>7</sub> O <sub>19</sub> crystals. Materials Research Bulletin, 2009, 44, 1127-1131.	2.7	7

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55	Spectroscopy and excited states dynamics of Tb <sup>3+</sup> -doped KLa(MoO <sub>4</sub> ) <sub>2</sub> crystals. Optical Materials, 2009, 31, 470-473.	1.7	20
56	High pressure luminescence of $YV_2O_7$ crystals. Physics Procedia, 2009, 2, 577-585.	1.2	2
57	Crystal field parameters and energy level structure of the MnO <sub>4</sub> <sup>2-</sup> tetraoxo anion in Li <sub>3</sub> PO <sub>4</sub> , Ca <sub>2</sub> PO <sub>4</sub> Cl and Sr <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> Cl crystals. Journal of Luminescence, 2009, 129, 801-806.	1.5	10
58	Optical spectroscopy of Nd <sup>3+</sup> in LiLa <sub>9</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> crystals. Optical Materials, 2009, 31, 1340-1342.	1.7	13
59	Lanthanide 4f-level location in AVO <sub>4</sub> :Ln <sup>3+</sup> (A = La, Gd, Lu) crystals. Journal of Physics Condensed Matter, 2009, 21, 115503.	0.7	65
60	The excited state dynamics of KLa(MoO <sub>4</sub> ) <sub>2</sub> :Pr <sup>3+</sup> : From a case study to the determination of the energy levels of rare earth impurities relative to the bandgap in oxidising host lattices. Journal of Solid State Chemistry, 2008, 181, 1025-1031.	1.4	34
61	Optical spectra and energy levels of the Cr <sup>3+</sup> ions in MWO <sub>4</sub> (M=Mg, Zn, Cd) and MgMoO <sub>4</sub> crystals. Journal of Physics and Chemistry of Solids, 2008, 69, 29-34.	1.9	56
62	Crystal structure and optical spectra of LiLa <sub>9</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> crystals activated with Er <sup>3+</sup> . Journal of Luminescence, 2008, 128, 738-740.	1.5	17
63	Energy level diagram for lanthanide-doped lanthanum orthovanadate. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 146, 114-120.	1.7	30
64	Spectral hole-burning spectroscopy in Nd <sup>3+</sup> :YVO <sub>4</sub> crystals. Physical Review B, 2008, 77, .	1.1	37
65	Flux growth, structural studies and spectroscopy of K <sub>2</sub> NdNb <sub>5</sub> O <sub>15</sub> and Nd:K <sub>2</sub> LaNb <sub>5</sub> O <sub>15</sub> crystals. Journal of Alloys and Compounds, 2008, 451, 143-145.	2.8	21
66	Effects of neodymium incorporation on the structural and luminescence properties of the YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Nd system. Journal of Physics Condensed Matter, 2007, 19, 246204.	0.7	9
67	Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> single crystals doped with Tm <sup>3+</sup> and Ho <sup>3+</sup> : spectroscopy and energy transfer parameters. Journal of Physics Condensed Matter, 2007, 19, 476208.	0.7	2
68	Emission quenching induced by intervalence charge transfer in Pr <sup>3+</sup> - or Tb <sup>3+</sup> -doped YNbO <sub>4</sub> and CaNb <sub>2</sub> O <sub>6</sub> . Journal of Physics Condensed Matter, 2007, 19, 386230.	0.7	97
69	Synthesis, characterization, crystal structure and luminescence properties of phosphinic silver(I) complexes with thiourea derivatives. Inorganica Chimica Acta, 2007, 360, 3233-3240.	1.2	28
70	Spectroscopy and energy transfer parameters of Tm <sup>3+</sup> - and Ho <sup>3+</sup> -doped Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> single crystals. Optical Materials, 2007, 30, 129-131.	1.7	10
71	Red luminescence induced by intervalence charge transfer in Pr <sup>3+</sup> -doped compounds. Journal of Luminescence, 2007, 122-123, 430-433.	1.5	111
72	Optical spectra of Tm <sup>3+</sup> -doped YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 809-812.	0.8	9

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73	Quenching of Lanthanide Emission by Intervalence Charge Transfer in Crystals Containing Closed Shell Transition Metal Ions. Spectroscopy Letters, 2007, 40, 209-220.	0.5	58
74	Optical spectroscopy of Yb <sup>3+</sup> -doped Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> garnet crystal. Journal of Applied Physics, 2006, 99, 013507.	1.1	5
75	Luminescence properties of Pr <sup>3+</sup> in titanates and vanadates: Towards a criterion to predict 3PO emission quenching. Chemical Physics Letters, 2006, 418, 185-188.	1.2	77
76	Optical spectra of Er <sup>3+</sup> in Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> single crystals. Optical Materials, 2006, 28, 395-400.	1.7	9
77	Optical spectra of flux grown Nd <sup>3+</sup> :YTa <sub>7</sub> O <sub>19</sub> and Nd <sup>3+</sup> :LaTa <sub>7</sub> O <sub>19</sub> crystals. Optical Materials, 2006, 28, 1235-1237.	1.7	8
78	Comments on the paper: "Optical properties and parameters of Dy <sup>3+</sup> -doped YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> crystals" by K. Wang, J. Zhang, J. Li, J. Wang, H. Zhang, C. Fang, X. Zhao, Qi. Zhang, (J. Crystal Growth 285 (2005) 388). Journal of Crystal Growth, 2006, 290, 689.	0.7	0
79	Bistable luminescence of trivalent rare-earth ions in crystals. Journal of Luminescence, 2006, 119-120, 314-317.	1.5	1
80	Energy transfer processes in the ytterbium doped NdPO <sub>4</sub> stoichiometric crystal. Optical Materials, 2006, 28, 1280-1283.	1.7	11
81	Making red emitting phosphors with Pr <sup>3+</sup> . Optical Materials, 2006, 28, 9-13.	1.7	148
82	Bistable chromatic switching in Yb <sup>3+</sup> -doped NdPO <sub>4</sub> crystals. Physical Review B, 2006, 74, .	1.1	16
83	Linear and non-linear spectroscopy of Ho <sup>3+</sup> -doped YVO <sub>4</sub> and LuVO <sub>4</sub> . Journal of Physics Condensed Matter, 2005, 17, 6751-6762.	0.7	4
84	Electron paramagnetic resonance study of the multisite character of Yb <sup>3+</sup> ions in LuVO <sub>4</sub> single crystals. Journal of Physics Condensed Matter, 2005, 17, 3061-3072.	0.7	6
85	Cr <sup>3+</sup> →Nd <sup>3+</sup> energy transfer in the YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear laser crystal. Journal of Applied Physics, 2005, 98, 023103.	1.1	15
86	Temperature dependence of 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. Journal of Applied Physics, 2005, 97, 093510.	1.1	30
87	Optical spectroscopy of BaY <sub>2</sub> F <sub>8</sub> :Dy <sup>3+</sup> . Journal of Physics Condensed Matter, 2005, 17, 2783-2790.	0.7	39
88	Optical spectra of Nd <sup>3+</sup> in niobates of the tetragonal tungsten bronze family. Journal of Physics Condensed Matter, 2004, 16, 729-739.	0.7	12
89	Site-selective study of Nd <sup>3+</sup> optical centers in Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> laser garnet crystals. Journal of Applied Physics, 2004, 95, 1774-1779.	1.1	6
90	Excited state dynamics of Pr <sup>3+</sup> in YVO <sub>4</sub> crystals. Journal of Applied Physics, 2004, 96, 4923-4929.	1.1	55

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91	Study of the visible spectra of Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> garnet crystals doped with Ce <sup>3+</sup> or Pr <sup>3+</sup> . Optical Materials, 2004, 25, 91-99.	1.7	33
92	Optical spectroscopy and laser parameters of GdVO <sub>4</sub> :Er <sup>3+</sup> . Journal of Luminescence, 2004, 106, 235-242.	1.5	39
93	Optical spectroscopy of SrWO <sub>4</sub> :Nd <sup>3+</sup> single crystals. Journal of Physics Condensed Matter, 2004, 16, 6867-6876.	0.7	34
94	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
95	Optical spectroscopy of Ho <sup>3+</sup> and Tm <sup>3+</sup> in Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> crystals. Journal of Alloys and Compounds, 2004, 365, 1-7.	2.8	14
96	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
97	Optical spectroscopy and crystal-field analysis of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> single crystals doped with dysprosium. Journal of Physics Condensed Matter, 2003, 15, 1047-1056.	0.7	33
98	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
99	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
100	Yb <sup>3+</sup> sites in YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear crystals. , 2003, , .		0
101	Growth, spectroscopic characterization, and laser performance of Nd:LuVO <sub>4</sub> , a new infrared laser material that is suitable for diode pumping. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1794.	0.9	193
102	Polar Dyes in Solution: A Joint Experimental and Theoretical Study of Absorption and Emission Band Shapes. Journal of Physical Chemistry A, 2002, 106, 6286-6294.	1.1	131
103	Optical spectroscopy of CaMoO <sub>4</sub> :Dy <sup>3+</sup> single crystals. Journal of Physics Condensed Matter, 2002, 14, 5221-5228.	0.7	75
104	Optical spectra of yttrium phosphate and yttrium vanadate single crystals activated with Dy <sup>3+</sup> . Journal of Alloys and Compounds, 2002, 341, 107-110.	2.8	119
105	Temperature dependence of impurity quenched luminescence in Tm <sup>3+</sup> :LiLuF <sub>4</sub> . Journal of Physics and Chemistry of Solids, 2002, 63, 197-202.	1.9	16
106	NIR luminescence and laser parameters of Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> garnet host crystals activated with Tm <sup>3+</sup> and Ho <sup>3+</sup> . Journal of Luminescence, 2001, 92, 237-244.	1.5	15
107	Growth, optical spectroscopy and crystal field investigation of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> single crystals doped with tripositive praseodymium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 1981-1990.	2.0	49
108	Flux growth and optical spectra of NdTa <sub>7</sub> O <sub>19</sub> crystals. Journal of Crystal Growth, 2001, 224, 67-73.	0.7	10

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109	Crystal growth, spectroscopic properties and laser performance of Nd:LuVO <sub>4</sub> a new infrared laser material. , 2001, , ME11.		1
110	Experimental and theoretical investigation of the 4f <sup>n</sup> →4f <sup>n-1</sup> 5d transitions in YPO <sub>4</sub> :Pr <sup>3+</sup> and YPO <sub>4</sub> :Pr <sup>3+</sup> , Ce <sup>3+</sup> . Journal of Physics Condensed Matter, 2001, 13, 765-776.	0.7	43
111	Laser action in a cw diode-pumped Nd:Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> crystal. Applied Physics B: Lasers and Optics, 2000, 71, 153-156.	1.1	6
112	Multiphonon relaxation in YVO <sub>4</sub> single crystals. Physical Review B, 2000, 61, 3915-3921.	1.1	50
113	Vibrational properties of Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> , a garnet host crystal for laser applications. Journal of Physics Condensed Matter, 2000, 12, 4665-4674.	0.7	18
114	Optical Spectroscopy and Density Functional Calculations of Chromium(V)-Doped YVO <sub>4</sub> and YPO <sub>4</sub> : Influence of the Second Coordination Sphere. Inorganic Chemistry, 2000, 39, 251-254.	1.9	25
115	Luminescence of Ni <sup>2+</sup> and Cr <sup>3+</sup> centres in MgSiO <sub>3</sub> enstatite crystals. Journal of Physics Condensed Matter, 1999, 11, 6831-6841.	0.7	15
116	Comparative optical characterization of various Nd <sup>3+</sup> :YVO <sub>4</sub> single crystals. Optical Materials, 1999, 13, 193-204.	1.7	30
117	Optical spectroscopy of Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> :Ni <sup>2+</sup> . Journal of Physics and Chemistry of Solids, 1999, 60, 449-455.	1.9	77
118	Spectroscopic analysis and laser parameters of Nd <sup>3+</sup> in Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> garnet crystals. Applied Physics B: Lasers and Optics, 1999, 68, 677-681.	1.1	24
119	Optical spectroscopy of Nd <sup>3+</sup> in KLa(MoO <sub>4</sub> ) <sub>2</sub> crystals. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 1958.	0.9	54
120	Cr:MgSiO <sub>3</sub> , a Cr doped crystal with long fluorescence lifetime and broad-band emission around 1.52 Åm. , 1998, , CS16.		0
121	Fluorescence dynamics of , , and , crystals. Journal of Physics Condensed Matter, 1998, 10, 8207-8215.	0.7	14
122	Excited state dynamics and energy transfer processes in YVO <sub>4</sub> :Er <sup>3+</sup> crystals. Journal of Applied Physics, 1997, 82, 3983-3986.	1.1	31
123	Optical spectroscopy and fluorescence dynamics of Er <sup>3+</sup> in Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> crystal. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 1938.	0.9	24
124	Growth and fluorescence properties of Tm <sup>3+</sup> doped YVO <sub>4</sub> and Y <sub>2</sub> O <sub>3</sub> single crystals. Optical Materials, 1997, 8, 83-90.	1.7	87
125	Optical spectroscopy, fluorescence dynamics and crystal-field analysis of Er <sup>3+</sup> in YVO <sub>4</sub> . Chemical Physics, 1997, 214, 329-340.	0.9	123
126	Optical spectroscopy of Tm <sup>3+</sup> doped in KLa(MoO <sub>4</sub> ) <sub>2</sub> crystals. Journal of Physics and Chemistry of Solids, 1997, 58, 587-595.	1.9	39



#	ARTICLE	IF	CITATIONS
127	Optical properties of Cr-doped Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> single crystals. <i>Optical Materials</i> , 1996, 6, 153-159.	1.7	10
128	Luminescence of Fe-Doped Willemite Single Crystals. <i>Journal of Solid State Chemistry</i> , 1995, 117, 16-20.	1.4	9
129	SYMMETRY: A computer program for the analysis of the distortions of the MX <sub>6</sub> (Oh) and MX <sub>4</sub> (Td) complexes in crystalline environments. <i>Computers &amp; Chemistry</i> , 1994, 18, 405-411.	1.2	8
130	The electronic spectrum of NiTa <sub>2</sub> O <sub>6</sub> . <i>Inorganica Chimica Acta</i> , 1993, 204, 159-170.	1.2	7
131	Optical spectroscopy of Cr <sup>3+</sup> ions in orthoenstatite MgSiO <sub>3</sub> . <i>Optical Materials</i> , 1993, 2, 151-156.	1.7	7
132	Molecular-distortion analysis with Cartesian symmetry coordinates. <i>Acta Crystallographica Section B: Structural Science</i> , 1992, 48, 245-252.	1.8	9
133	Low Temperature Absorption Spectrum of LiNiPO <sub>4</sub> . <i>Physica Status Solidi (B): Basic Research</i> , 1991, 163, 281-292.	0.7	8
134	Low-Temperature Absorption Spectrum of Ni <sup>2+</sup> Ion in Single Crystals of Ni <sub>2</sub> NbBO <sub>6</sub> . <i>Physica Status Solidi (B): Basic Research</i> , 1984, 123, 679-689.	0.7	5
135	Efficient 1400-1600-nm Circularly Polarized Luminescence from a Tuned Chiral Erbium Complex. <i>Angewandte Chemie</i> , 0, , .	1.6	0