Gerard Aka

List of Publications by Year
in descending order

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145 papers	3,637 citations	136950 32 h-index	149698 56 g-index
145 all docs	145 docs citations	145 times ranked	1277 citing authors

#	Article	IF	Citations
1	Fine spectroscopy and Judd-Ofelt analysis of Pr3+ doped Sr0.7La0.3Mg0.3Al11.7O19 (Pr:ASL). Journal of Luminescence, 2020, 219, 116895.	3.1	10
2	(INVITED) Czochralski-grown LaxGdyRzSc4-x-y-z(BO3)4 (R = Yb, Nd) crystals - A review of recent developments. Optical Materials: X, 2020, 7, 100052.	0.8	2
3	Crystal Growth and Characterization of Terbium-Based Borate Crystals of Sr₃Tb(BO₃)₃, Li₆Tb(BO₃)₃, and TbCa₄O(BO₃)₃: Color Centers, Spectroscopic Properties, and Optical Gain. Crystal Growth and Design, 2020, 20, 1905-1919.	3.0	5
4	High peak-power near-MW laser pulses by third harmonic generation at 355â€…nm in Ca5(BO3)3F nonlinear single crystals. Optics Express, 2020, 28, 10524.	3.4	7
5	High Efficiency Third Harmonic Generation at 355 nm in CBF (Ca5(BO3)3F) Single Crystal Using Micro-MOPA. , 2019, , .		0
6	Optical properties of Dy3+-doped CaYAlO4 crystal. Journal of Luminescence, 2018, 199, 509-515.	3.1	42
7	Optical spectroscopic investigation of Ba3Tb(PO4)3 single crystals for visible laser applications. Journal of Alloys and Compounds, 2018, 740, 1133-1139.	5.5	23
8	Crystal growth, spectroscopy and laser performances of Pr^3+:Sr_07La_03Mg_03Al_117O_19 (Pr:ASL). Optics Express, 2018, 26, 1278.	3.4	27
9	Rare-earth-doped optical-fiber core deposition using full vapor-phase SPCVD process. Proceedings of SPIE, 2017, , .	0.8	1
10	Optical spectroscopic properties, 0.946 and 1.074ÂÎ¼m laser performances of Nd 3+ -doped Y 2 O 3 transparent ceramics. Journal of Alloys and Compounds, 2017, 711, 446-454.	5.5	34
11	Temperature stable operation of YCOB crystal for giant-pulse green microlaser. Optics Express, 2017, 25, 6431.	3.4	13
12	Crystal growth, polarized spectra, and laser performance of Yb:CaGdAlO₄crystal. Laser Physics, 2016, 26, 045803.	1.2	19
13	Czochralski Growth and Characterization of Incongruent Melting La_xGd_ySc_z(BO₃)₄ (x + y + z = 4) Nonlinear Optical Crystal. Crystal Growth and Design, 2016, 16, 3473-3479.	3.0	28
14	Rise in power of Yb:YCOB for green light generation by self-frequency doubling. Optics Letters, 2016, 41, 3607.	3.3	22
15	Spectroscopic properties and laser performances of Yb:LGSB nonlinear optical crystal. Journal of Alloys and Compounds, 2016, 688, 510-517.	5.5	12
16	Dielectric frame, Sellmeier equations, and phase-matching properties of the monoclinic acentric crystal GdCa_4O(BO_3)_3. Optics Letters, 2016, 41, 5290.	3.3	6
17	> 1 MW peak power at 266 nm in nonlinear YAl3(BO3)4 (YAB) single crystal. , 2015, , .		3
18	Spectroscopic properties of newly flux grown and highly Yb3+-doped cubic RE2O3 (RE=Y, Gd, Lu) laser crystals. Optical Materials, 2015, 39, 258-264.	3.6	15

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19	CW diode pumped Er, Yb, Ce:CAS single crystal 1.5â€‰Î¼m laser. Laser Physics, 2014, 24, 125801.	1.2	23
20	Laser operation in Nd:Sc_2SiO_5 crystal based on transition ^4F_3/2â†'^4I_9/2 of Nd^3+ ions. Optical Materials Express, 2014, 4, 458.	3.0	7
21	240 kW peak power at 266 nm in nonlinear YAl_3(BO_3)_4 single crystal. Optics Express, 2014, 22, 30325.	3.4	19
22	Crystal growth and spectroscopic properties of praseodymium and cerium co-doped Y2SiO5. Journal of Luminescence, 2014, 145, 547-552.	3.1	7
23	CW intracavity frequency doubled Nd:YAG core ceramics composite at 473 nm. , 2014, , .		0
24	Third harmonic generation at 343nm in nonlinear Ca_5(BO_3)_3F (CBF) crystals. Optical Materials Express, 2013, 3, 1798.	3.0	3
25	Spectral properties and laser performance of Ho: Sc_2SiO_5 crystal at room temperature. Optics Express, 2013, 21, 32566.	3.4	42
26	Diode-pumped laser operation at 1053 and 900 nm in Sr_{1â^'x}La_{xâ^'y}Nd_yMg_xAl_{12â^'x} single crystal. Laser Physics, 2013, 23, 095802.	1.2	11
27	Diode pumped neodymium doped ASL (Sr1-xLax-yNdyMgxAl12-xO19) laser. , 2013, , .		0
28	Spectroscopic features and laser performance at 1.06 Î¼m of Nd3+-doped Gd1â^'xLuxCa4O(BO3)3 single crystal. Journal of Applied Physics, 2012, 111, .	2.5	10
29	Spectroscopic properties of newly flux grown RE 2 O 3 :Yb³⁺(RE=Y,Lu) laser crystals for high-power diode-pumped systems. Proceedings of SPIE, 2012, , .	0.8	2
30	Quality of the rare earth aluminum borate crystals for laser applications, probed by high-resolution spectroscopy of the Yb3+ ion. Optical Materials, 2012, 34, 1885-1889.	3.6	21
31	Introduction: Advances in Optical Materials (AIOM) feature. Optical Materials Express, 2011, 1, 523.	3.0	0
32	Crystal defects revealed by Schlieren photography and chemical etching in nonlinear single crystal LYSB. Optical Materials Express, 2011, 1, 1569.	3.0	4
33	Four hundred-nanometer blue-violet light production by type-I noncritical phase-matching second-harmonic generation in Gd1â^'xRxCa4O(BO3)3 (R=Lu, Sc): Crystal growth and nonlinear characterization. Optical Materials, 2010, 32, 1283-1285.	3.6	3
34	New nonlinear Gd 1-x R x Ca 4 O(BO 3) 3 (R = Lu, Sc) crystals for 400-nm blue-violet light generation by type-I noncritical phase-matching frequency doubling processes. , 2009, , .		0
35	Growth and characterization of a nonlinear borate optical crystal: BaNaB9O15. Journal of Crystal Growth, 2009, 311, 389-393.	1.5	3
36	BaCaBO3F: A nonlinear optical crystal investigated for UV light generation. Journal of Crystal Growth, 2009, 311, 2508-2512.	1.5	29

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37	Laser and self-doubling properties of a Nd:YCOB crystal cut as a sphere and inserted in a cavity. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 750.	2.1	8
38	Efficient continuous-wave thin disk laser operation of Yb:Ca_4YO(BO_3)_3 in Eâˆ¥Z and Eâˆ¥X orientations with 26 W output power. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1310.	2.1	41
39	Singular topology of optical absorption in biaxial crystals. Optics Express, 2009, 17, 19868.	3.4	13
40	A New Promising Nonlinear Optical Crystal for Ultraviolet Light Generation: Ca₅(BO₃)₃F. Crystal Growth and Design, 2009, 9, 2235-2239.	3.0	32
41	Blue laser emission by intracavity second harmonic generation in Nd:ASL pumped by a tapered amplifier laser diode stabilized by a volume Bragg grating. Applied Physics B: Lasers and Optics, 2008, 92, 189-193.	2.2	15
42	Cationic disorder effects in complex oxide laser materials and phosphors. Optical Materials, 2008, 30, 1677-1681.	3.6	1
43	Absorption and fluorescence anisotropies of monoclinic crystals : the case of Nd:YCOB. Optics Express, 2008, 16, 7997.	3.4	26
44	Nonlinear optical properties of Ca_5(BO_3)_3F crystal. Optics Express, 2008, 16, 17735.	3.4	37
45	Diode pumping of Nd:ASL and its frequency doubling for blue emission around 450 nm. Proceedings of SPIE, 2008, , .	0.8	0
46	Absorption and fluorescence singularities in the Nd:YCOB monoclinic crystal. , 2008, , .		0
47	First report of absorption and fluorescence singularities in the Nd:YCOB monoclinic crystal. , 2008, , .		0
48	Laser and self-doubling operations in a Nd:YCOB sphere. , 2008, , .		0
49	Novel nonlinear borates and fluoroborate for frequency conversion: from crystal growth to nonlinear optical properties.. , 2007, , WC3.		0
50	Diode-pumped Nd:YAG laser emitting at 899 nm and below. Optics Letters, 2007, 32, 799.	3.3	31
51	First measurement of the nonlinear coefficient for Gd_1â^'XLu_XCa_4O(BO_3)_3 and Gd_1â^'XSc_XCa_4O(BO_33)_3 crystals. Optics Express, 2007, 15, 4893.	3.4	13
52	Optical characterizations of YCa4O(BO3)3 and Nd:YCa4O(BO3)3 crystals. Optical Materials, 2007, 29, 975-982.	3.6	41
53	Composition dependence of Pr3+ spectral characteristics in strontium lanthanum aluminate crystals. Optical Materials, 2007, 30, 164-167.	3.6	1
54	Investigations of NCPM second harmonic generation and self frequency doubling in Gd1â^'xâ^'yRxNdyCa4O(BO3)3 (R=Sc or Lu) crystals. Optical Materials, 2007, 30, 44-46.	3.6	6

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55	Investigation of new Nd-doped crystals designed for laser operation at short wavelengths along the4F 3/2 ->4I 9/2 channel around 900 nm. , 2006, , .		1
56	Disorder effects in Nd3+-doped strontium hexa-aluminate laser crystals. Journal of Physics Condensed Matter, 2006, 18, 597-611.	1.8	5
57	Highly efficient, 084 slope efficiency, 901 nm, quasi-two-level laser emission of Nd in strontium lanthanum aluminate. Optics Letters, 2006, 31, 1064.	3.3	13
58	Second-harmonic generations of blue light in nonlinear optical crystals of Gd_1â^'xLu_xCa_4O(BO_3)_3 and Gd_1â^'xSc_xCa_4O(BO_3)_3 through noncritical phase matching. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1630.	2.1	20
59	CW blue laser emission by second harmonic generation of 900-nm oscillation of Nd-doped strontium and lanthanum aluminate (ASL). , 2006, , .		4
60	Growth and noncritical phase matching second harmonic generation of Gd 1-x R x Ca 4 O(BO 3) 3 (R =) Tj ETQq0 0 0 rgBT /Overlock 10		0
61	<title>Spectroscopic bases for optimisation of 900 nm laser emission of Nd<formula>^{<roman>3+</roman>}</formula> in strontium lanthanum aluminate</title>. , 2006, , .		0
62	Growth of nonlinear optical crystal Y0.57La0.72Sc2.71(BO3)4. Journal of Crystal Growth, 2006, 292, 464-467.	1.5	22
63	Growth and type-I noncritical phase-matching second-harmonic-generation of Gd1â^'xRxCa4O(BO3)3 (R3+Sc3+ or Lu3+) crystals. Journal of Crystal Growth, 2006, 294, 442-446.	1.5	13
64	Research, growth, and optical properties of new borate-based NLO crystals for generation of visible and UV light. , 2006, 6190, 135.		0
65	Czochralski growth and characterization of neodymium-doped strontium lanthanum aluminate (ASL:Nd) single crystals. Journal of Crystal Growth, 2005, 277, 410-415.	1.5	5
66	Nonlinear Optical Crystal YxLayScz(BO3)4 (x + y + z = 4).. ChemInform, 2005, 36, no.	0.0	0
67	Z-scan measurements of the nonlinear refractive indices of novel Yb-doped laser crystal hosts. Applied Physics B: Lasers and Optics, 2005, 80, 199-201.	2.2	63
68	Enhanced 532â€‰nm emission by frequency-doubling of the one-micron Nd:yttrium vanadate laser in gadolinium calcium oxoborate. Journal of Applied Physics, 2005, 97, 056104.	2.5	10
69	Measurement of the chi(2) tensor of GdCa4O(BO3)3 and YCa4O(BO3)3 crystals. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 417.	2.1	39
70	Linear and nonlinear optical properties of implanted Ca4GdO(BO3)3 planar waveguides. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2192.	2.1	8
71	Nonlinear Optical Crystal YxLayScz(BO3)4(x+y+z= 4). Chemistry of Materials, 2005, 17, 2687-2692.	6.7	86
72	Ca₄YO(BO₃)3: Optical frame wavelength dependence, second harmonic generation and dispersion equations. European Physical Journal Special Topics, 2004, 119, 275-276.	0.2	0

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73	Site-selective 900nm quasi-three-level laser emission in Nd-doped strontium lanthanum aluminate. Applied Physics Letters, 2004, 85, 2685-2687.	3.3	14
74	<title>Enhanced performances of Nd-activated self-nonlinear devices</title>. , 2004, , .		0
75	Ca4REO(BO3)3 crystals for green and blue microchip laser generation: from crystal growth to laser and nonlinear optical properties. Optical Materials, 2004, 26, 431-436.	3.6	17
76	Spectroscopic and structural properties of Nd3+ doped strontium lanthanum aluminate laser crystals. Journal of Applied Physics, 2004, 96, 3057-3064.	2.5	21
77	Spectroscopic study of europium doped RCOB host lattices: evidence of local perturbations. Journal of Alloys and Compounds, 2004, 380, 141-145.	5.5	7
78	Spectral and structural studies of GdCOB and YCOB crystals. Journal of Alloys and Compounds, 2004, 380, 235-240.	5.5	6
79	Linear and nonlinear optical properties of the monoclinic Ca_4YO(BO_3)_3 crystal. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 765.	2.1	33
80	Spectroscopic bases for efficiency enhancement and power scaling of self-frequency multiplication and self-sum-frequency mixing emission in Nd-doped nonlinear crystals. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1620.	2.1	4
81	Optical planar and channel waveguides in the new nonlinear crystal Ca_4YO(BO_3)_3 (YCOB) fabricated by He+ implantation. Applied Optics, 2004, 43, 491.	2.1	5
82	<title>Optical analysis of the local perturbation in RCOB host lattice doped with europium ion</title>. , 2004, 5581, 157.		0
83	<title>Spectral and structural studies of GdCOB and YCOB crystals</title>. , 2004, , .		0
84	<title>High resolution investigation of Nd<formula>^{<roman>3+</roman>}</formula>-doped strontium lanthanum aluminate</title>. , 2004, , .		3
85	<title>Electronic and vibronic structure of Yb<formula>^{<roman>3+</roman>}</formula> in GdCOB</title>. , 2004, , .		0
86	Self-frequency conversion in nonlinear laser crystals. Optical Materials, 2003, 22, 89-94.	3.6	54
87	Thermal lensing measurements in diode-pumped Yb-doped GdCOB, YCOB, YSO, YAG and KGW. Optical Materials, 2003, 22, 129-137.	3.6	44
88	Channel waveguides in Ca_4GdO(BO_3)_3 fabricated by He^+ implantation for blue-light generation. Optics Letters, 2003, 28, 1025.	3.3	18
89	Diode pumped femtosecond oscillators based on new ytterbium doped borates crystals. , 2003, , .		0
90	Enhanced fundamental and self-frequency-doubling laser emission efficiency in 4F3/2 directly pumped Nd-activated nonlinear crystals: The case of GdCa4O(BO3)3. Applied Physics Letters, 2002, 81, 811-813.	3.3	20

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91	Selective excitation study of Yb3+in GdCa4O(BO3)3and YCa4O(BO3)3. Journal of Physics Condensed Matter, 2002, 14, 1107-1117.	1.8	19
92	Diode-pumped femtosecond oscillators using ultra-broad-band Yb-doped crystals and modelocked using low-temperature grown or ion implanted saturable-absorber mirrors. EPJ Applied Physics, 2002, 20, 177-182.	0.7	2
93	Diode-pumped Yb:Sr_3Y(BO_3)_3 femtosecond laser. Optics Letters, 2002, 27, 197.	3.3	173
94	Spectroscopy and efficient laser action from diode pumping of a new broadly tunable crystal: Yb^3+:Sr_3 Y(BO_3)_3. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1083.	2.1	86
95	Spectroscopic and crystal field studies ofNd3+inGdCa4O(BO3)3andYCa4O(BO3)3. Physical Review B, 2002, 65, .	3.2	19
96	Largely tunable diode-pumped sub-100-fs Yb:BOYS laser. Applied Physics B: Lasers and Optics, 2002, 74, s201-s203.	2.2	16
97	High-power diode-pumped Yb:GdCOB laser: from continuous-wave to femtosecond regime. Optical Materials, 2002, 19, 73-80.	3.6	27
98	Optical and laser properties of Yb:Y2SiO5 single crystals and discussion of the figure of merit relevant to compare ytterbium-doped laser materials. Optical Materials, 2002, 19, 81-88.	3.6	54
99	Quasi-three-level 946 nm CW laser emission of Nd:YAG under direct pumping at 885 nm into the emitting level. Optics Communications, 2002, 204, 399-405.	2.1	45
100	Crystal growth and optical properties of rare earth calcium oxoborates. Journal of Crystal Growth, 2002, 237-239, 621-628.	1.5	25
101	Enhanced self-doubling efficiency in directly-pumped Nd-activated non-linear crystals: case of GdCOB. , 2002, , .		1
102	Phonon effects in Yb3+ and Nd3+ spectra of GdCOB. Journal of Luminescence, 2001, 94-95, 691-694.	3.1	5
103	12-mJ, 350-fs Yb:GdCOB regenerative amplifier. Optics Communications, 2001, 199, 181-187.	2.1	5
104	Spectroscopic properties and laser performances of Yb:YCOB and potential of the Yb:LaCOB material. Optical Materials, 2001, 16, 181-188.	3.6	81
105	Nd:GdCOB: overview of its infrared, green and blue laser performances. Optical Materials, 2001, 16, 213-220.	3.6	44
106	Czochralski growth of six Yb-doped double borate and silicate laser materials. Journal of Crystal Growth, 2001, 233, 233-242.	1.5	106
107	Nonlinear optical borate crystal Ba 2 B 10 O 17. , 2001, 4268, 175.		5
108	Phase transition, growth, and optical properties of Nd_xLa_{1â^'x}Sc₃(BO₃)₄ crystals. Journal of Materials Research, 2001, 16, 38-44.	2.6	19

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109	Spectroscopy and laser performances of Yb3+-doped silicate lasers. , 2001, , TuB11.		1
110	12-mJ, 350-fs, Yb:GdCOB regenerative amplifier. , 2001, , .		0
111	Laser characterization of the Yb3+:Y 2 SiO 5 (Yb:YOS). , 2000, , .		1
112	Infrared and visible emission of Pr3+, Eu3+, Yb3+/Er3+ in Ca4Gd(BO3)3O (GdCOB). Journal of Luminescence, 2000, 87-89, 611-613.	3.1	16
113	Excited state absorption of the self-frequency doubling laser material: Nd:GdCOB. Optics Communications, 2000, 184, 209-214.	2.1	11
114	DÃ©veloppement de lasers visibles pompÃ©s par diode Ã base de cristaux de NdGdCOB autodoubleurs de frÃ©quence. Comptes Rendus Physique, 2000, 1, 609-614.	0.1	0
115	Comparative evaluation of GdCOB and YCOB nonlinear optical properties in principal and out of principal plane configurations for the 1064 nm Nd:YAG laser frequency conversion. , 2000, 3928, 108.		17
116	Femtosecond Yb:YCOB laser pumped by narrow-stripe laser diode and passively modelocked using ion implanted saturable-absorber mirror. Electronics Letters, 2000, 36, 1621.	1.0	30
117	Efficient, tunable, zero-line diode-pumped, continuous-wave Yb^3+:Ca_4LnO(BO_3)_3 (Ln = Gd, Y) lasers at room temperature and application to miniature lasers. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 18.	2.1	59
118	Diode-pumped self-frequency-doubling Nd:GdCa_4O(BO_3)_3 lasers: toward green microchip lasers. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1526.	2.1	36
119	Generation of 90-fs pulses from a mode-locked diode-pumped Yb^3+:Ca_4GdO(BO_3)_3 laser. Optics Letters, 2000, 25, 423.	3.3	141
120	Theoretical and experimental investigations of a diode-pumped quasi-three-level laser: the Yb/sup 3+/-doped Ca/sub 4/GdO(BO/sub 3/)/sub 3/ (Yb:GdCOB) laser. IEEE Journal of Quantum Electronics, 2000, 36, 598-606.	1.9	71
121	Overview of the laser and non-linear optical properties of calcium-gadolinium-oxo-borate Ca4GdO(BO3)3. Journal of Alloys and Compounds, 2000, 303-304, 401-408.	5.5	49
122	Efficient, tunable, zero-line-diode-pumped, continuous-wave Yb3+:Ca4GdO(BO3)3 laser. , 2000, , .		0
123	Microlasers visibles Ã base d'un cristal autodoubleur de Nd:GdCOB. European Physical Journal Special Topics, 2000, 10, Pr8-121.	0.2	0
124	Optical properties and spectroscopic parameters of Nd3+-doped phosphate and borate glasses. Optical Materials, 1999, 12, 53-63.	3.6	77
125	CW blue laser generation by self-sum frequency mixing in Nd:Ca4GdO(BO3)3 (Nd:GdCOB) single crystal. Optical Materials, 1999, 13, 293-297.	3.6	39
126	Ytterbium-doped Ca_4GdO(BO_3)_3: an efficient infrared laser and self-frequency doubling crystal. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 164.	2.1	208

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127	Efficient and tunable continuous-wave diode-pumped Yb^3+:Ca_4GdO(BO_3)_3 laser. Applied Optics, 1999, 38, 976.	2.1	46
128	Second-harmonic generation in He^+-implanted gadolinium calcium oxoborate planar waveguides. Optics Letters, 1999, 24, 1299.	3.3	29
129	Structural and thermal stability of Czochralski grown GdCOB oxoborate single crystals. Journal of Materials Chemistry, 1998, 8, 1619-1623.	6.7	78
130	New green self-frequency-doubling diode-pumped Nd:Ca 4 GdO(BO 3) 3 laser. Applied Physics B: Lasers and Optics, 1998, 67, 533-535.	2.2	88
131	Formation of planar optical waveguides in the new nonlinear gadolinium calcium oxoborate, Ca_4GdO(BO_3)_3, crystal by 2-MeV He^+ implantation. Optics Letters, 1998, 23, 1680.	3.3	22
132	Linear- and nonlinear-optical properties of a new gadolinium calcium oxoborate crystal, Ca_4GdO(BO_3)_3. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 2238.	2.1	341
133	Infrared laser performance and self-frequency doubling of Nd3+:Ca4GdO(BO3)3 (Nd:GdCOB). Optical Materials, 1997, 8, 161-173.	3.6	184
134	Host dependence of the optical properties of Nd3+ ions in zircon-type crystals YMO4 (M = V, P, As). Journal of Luminescence, 1997, 72-74, 195-197.	3.1	8
135	Flux growth and characterization of rare-earth-doped non-linear huntite-type borate crystals: Y1-xNdx(Al0.7Ga0.3)3(Bo3)4 and Y1-xYbxAl3(Bo3)4. Journal of Materials Chemistry, 1995, 5, 583.	6.7	15
136	Optical properties of single crystals of gallium-substituted NYAB: Y1 â€“xNdx(Al1 â€“yGay)3(BO3)4. Journal of Materials Chemistry, 1995, 5, 265-271.	6.7	3
137	Optical properties of modified YAB single crystals : Y1-xLnx(Al1-yGay)3(BO3)4. European Physical Journal Special Topics, 1994, 04, C4-357-C4-360.	0.2	0
138	Optical behaviour of sodium Î²-aluminogallate single crystals doped with Cr3+and Cr3+â€“Nd3+. Journal of Materials Chemistry, 1994, 4, 907-913.	6.7	2
139	Structural refinements on a sodium Î²-aluminogallate crystal and a parent Nd3+-exchanged crystal. Journal of Solid State Chemistry, 1991, 91, 71-81.	2.9	19
140	ESR and Optical Studies of Neodymiumâ€Exchanged Sodium Î²â€Aluminogallate Single Crystals. Journal of the Electrochemical Society, 1991, 138, 3394-3397.	2.9	8
141	ESR and optical spectroscopy of Ce3+: Î²â€³-alumina. Journal of Solid State Chemistry, 1990, 86, 94-100.	2.9	15
142	Crystal growth and transport properties of sodium $beta;- and $beta;-aluminogallates. Solid State Ionics, 1990, 40-41, 83-86.	2.7	5
143	Lanthanide ion exchange in sodium ÃŸ-aluminogallate Na1+x(Al1âˆ’yGay)11O17+x/2 single crystals 0. Solid State Ionics, 1990, 39, 225-231.	2.7	10
144	Absorption, fluorescence, and electron spin resonance investigation of tervalent cerium activated LaMgAl11O19. Journal of Applied Physics, 1988, 64, 1398-1404.	2.5	20

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145	Low-Temperature Synthesis and Characterization of Mixed Sodium Cerium(III) Hexa-Aluminate. Journal of the American Ceramic Society, 1987, 70, C-179-C-181.	3.8	3