

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	Linear- and nonlinear-optical properties of a new gadolinium calcium oxoborate crystal, Ca ₄ GdO(BO ₃) ₃ . Journal of the Optical Society of America B: Optical Physics, 1997, 14, 2238.	2.1	341
2	Ytterbium-doped Ca ₄ GdO(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
3	Infrared laser performance and self-frequency doubling of Nd ³⁺ :Ca ₄ GdO(BO ₃) ₃ (Nd:GdCOB). Optical Materials, 1997, 8, 161-173.	3.6	184
4	Diode-pumped Yb:Sr ₃ Y(BO ₃) ₃ femtosecond laser. Optics Letters, 2002, 27, 197.	3.3	173
5	Generation of 90-fs pulses from a mode-locked diode-pumped Yb ³⁺ :Ca ₄ GdO(BO ₃) ₃ laser. Optics Letters, 2000, 25, 423.	3.3	141
6	Czochralski growth of six Yb-doped double borate and silicate laser materials. Journal of Crystal Growth, 2001, 233, 233-242.	1.5	106
7	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
8	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
9	Nonlinear Optical Crystal Y _x La _y Sc _z (BO ₃) ₄ (x+y+z= 4). Chemistry of Materials, 2005, 17, 2687-2692.	6.7	86
10	Spectroscopic properties and laser performances of Yb:YCOB and potential of the Yb:LaCOB material. Optical Materials, 2001, 16, 181-188.	3.6	81
11	Structural and thermal stability of Czochralski grown GdCOB oxoborate single crystals. Journal of Materials Chemistry, 1998, 8, 1619-1623.	6.7	78
12	Optical properties and spectroscopic parameters of Nd ³⁺ -doped phosphate and borate glasses. Optical Materials, 1999, 12, 53-63.	3.6	77
13	Theoretical and experimental investigations of a diode-pumped quasi-three-level laser: the Yb ³⁺ -doped Ca ₄ GdO(BO ₃) ₃ (Yb:GdCOB) laser. IEEE Journal of Quantum Electronics, 2000, 36, 598-606.	1.9	71
14	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
15	Efficient, tunable, zero-line diode-pumped, continuous-wave Yb ³⁺ :Ca ₄ LnO(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
16	Optical and laser properties of Yb:Y ₂ SiO ₅ 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
17	Self-frequency conversion in nonlinear laser crystals. Optical Materials, 2003, 22, 89-94.	3.6	54
18	Overview of the laser and non-linear optical properties of calcium-gadolinium-oxo-borate Ca ₄ GdO(BO ₃) ₃ . Journal of Alloys and Compounds, 2000, 303-304, 401-408.	5.5	49

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19	Efficient and tunable continuous-wave diode-pumped Yb ³⁺ :Ca ₄ GdO(BO ₃) ₃ laser. Applied Optics, 1999, 38, 976.	2.1	46
20	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
21	Nd:GdCOB: overview of its infrared, green and blue laser performances. Optical Materials, 2001, 16, 213-220.	3.6	44
22	Thermal lensing measurements in diode-pumped Yb-doped GdCOB, YCOB, YSO, YAG and KGW. Optical Materials, 2003, 22, 129-137.	3.6	44
23	Spectral properties and laser performance of Ho: Sc ₂ SiO ₅ crystal at room temperature. Optics Express, 2013, 21, 32566.	3.4	42
24	Optical properties of Dy ³⁺ -doped CaYAlO ₄ crystal. Journal of Luminescence, 2018, 199, 509-515.	3.1	42
25	Optical characterizations of YCa ₄ O(BO ₃) ₃ and Nd:YCa ₄ O(BO ₃) ₃ crystals. Optical Materials, 2007, 29, 975-982.	3.6	41
26	Efficient continuous-wave thin disk laser operation of Yb:Ca ₄ YO(BO ₃) ₃ in E ^h and E ^h orientations with 26 W output power. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1310.	2.1	41
27	CW blue laser generation by self-sum frequency mixing in Nd:Ca ₄ GdO(BO ₃) ₃ (Nd:GdCOB) single crystal. Optical Materials, 1999, 13, 293-297.	3.6	39
28	Measurement of the chi(2) tensor of GdCa ₄ O(BO ₃) ₃ and YCa ₄ O(BO ₃) ₃ crystals. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 417.	2.1	39
29	Nonlinear optical properties of Ca ₅ (BO ₃) ₃ F crystal. Optics Express, 2008, 16, 17735.	3.4	37
30	Diode-pumped self-frequency-doubling Nd:GdCa ₄ O(BO ₃) ₃ lasers: toward green microchip lasers. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1526.	2.1	36
31	Optical spectroscopic properties, 0.946 and 1.074 μm laser performances of Nd ³⁺ -doped Y ₂ O ₃ transparent ceramics. Journal of Alloys and Compounds, 2017, 711, 446-454.	5.5	34
32	Linear and nonlinear optical properties of the monoclinic Ca ₄ YO(BO ₃) ₃ crystal. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 765.	2.1	33
33	A New Promising Nonlinear Optical Crystal for Ultraviolet Light Generation: Ca ₅ (BO ₃) ₃ F. Crystal Growth and Design, 2009, 9, 2235-2239.	3.0	32
34	Diode-pumped Nd:YAG laser emitting at 899 nm and below. Optics Letters, 2007, 32, 799.	3.3	31
35	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
36	Second-harmonic generation in He ⁺ -implanted gadolinium calcium oxoborate planar waveguides. Optics Letters, 1999, 24, 1299.	3.3	29

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37	BaCaBO ₃ F: A nonlinear optical crystal investigated for UV light generation. Journal of Crystal Growth, 2009, 311, 2508-2512.	1.5	29
38	Czochralski Growth and Characterization of Incongruent Melting La _x Gd _y Sc _z (BO ₃) ₄ (x + y + z = 4) Nonlinear Optical Crystal. Crystal Growth and Design, 2016, 16, 3473-3479.	3.0	28
39	High-power diode-pumped Yb:GdCOB laser: from continuous-wave to femtosecond regime. Optical Materials, 2002, 19, 73-80.	3.6	27
40	Crystal growth, spectroscopy and laser performances of Pr ³⁺ :Sr _{0.7} La _{0.3} Mg _{0.3} Al _{1.17} O ₁₉ (Pr:ASL). Optics Express, 2018, 26, 1278.	3.4	27
41	Absorption and fluorescence anisotropies of monoclinic crystals : the case of Nd:YCOB. Optics Express, 2008, 16, 7997.	3.4	26
42	Crystal growth and optical properties of rare earth calcium oxoborates. Journal of Crystal Growth, 2002, 237-239, 621-628.	1.5	25
43	CW diode pumped Er, Yb, Ce:CaS single crystal 1.5 μm laser. Laser Physics, 2014, 24, 125801.	1.2	23
44	Optical spectroscopic investigation of Ba ₃ Tb(PO ₄) ₃ single crystals for visible laser applications. Journal of Alloys and Compounds, 2018, 740, 1133-1139.	5.5	23
45	Formation of planar optical waveguides in the new nonlinear gadolinium calcium oxoborate, Ca ₄ GdO(BO ₃) ₃ , crystal by 2-MeV He ⁺ implantation. Optics Letters, 1998, 23, 1680.	3.3	22
46	Growth of nonlinear optical crystal Y _{0.57} La _{0.72} Sc _{2.71} (BO ₃) ₄ . Journal of Crystal Growth, 2006, 292, 464-467.	1.5	22
47	Rise in power of Yb:YCOB for green light generation by self-frequency doubling. Optics Letters, 2016, 41, 3607.	3.3	22
48	Spectroscopic and structural properties of Nd ³⁺ doped strontium lanthanum aluminate laser crystals. Journal of Applied Physics, 2004, 96, 3057-3064.	2.5	21
49	Quality of the rare earth aluminum borate crystals for laser applications, probed by high-resolution spectroscopy of the Yb ³⁺ ion. Optical Materials, 2012, 34, 1885-1889.	3.6	21
50	Absorption, fluorescence, and electron spin resonance investigation of trivalent cerium activated LaMgAl ₁₁ O ₁₉ . Journal of Applied Physics, 1988, 64, 1398-1404.	2.5	20
51	Enhanced fundamental and self-frequency-doubling laser emission efficiency in 4F _{3/2} directly pumped Nd-activated nonlinear crystals: The case of GdCa ₄ O(BO ₃) ₃ . Applied Physics Letters, 2002, 81, 811-813.	3.3	20
52	Second-harmonic generations of blue light in nonlinear optical crystals of Gd _{1-x} Lu _x Ca ₄ O(BO ₃) ₃ and Gd _{1-x} Sc _x Ca ₄ O(BO ₃) ₃ through noncritical phase matching. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1630.	2.1	20
53	Structural refinements on a sodium ¹²⁷ I-aluminogallate crystal and a parent Nd ³⁺ -exchanged crystal. Journal of Solid State Chemistry, 1991, 91, 71-81.	2.9	19
54	Phase transition, growth, and optical properties of Nd _x La _{1-x} Sc ₃ (BO ₃) ₄ crystals. Journal of Materials Research, 2001, 16, 38-44.	2.6	19

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55	Selective excitation study of Yb ³⁺ in GdCa ₄ O(BO ₃) ₃ and YCa ₄ O(BO ₃) ₃ . Journal of Physics Condensed Matter, 2002, 14, 1107-1117.	1.8	19
56	Spectroscopic and crystal field studies of Nd ³⁺ in GdCa ₄ O(BO ₃) ₃ and YCa ₄ O(BO ₃) ₃ . Physical Review B, 2002, 65, .	3.2	19
57	240 kW peak power at 266 nm in nonlinear YAl ₃ (BO ₃) ₄ single crystal. Optics Express, 2014, 22, 30325.	3.4	19
58	Crystal growth, polarized spectra, and laser performance of Yb:CaGdAlO ₄ crystal. Laser Physics, 2016, 26, 045803.	1.2	19
59	Channel waveguides in Ca ₄ GdO(BO ₃) ₃ fabricated by He ⁺ implantation for blue-light generation. Optics Letters, 2003, 28, 1025.	3.3	18
60	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
61	Ca ₄ REO(BO ₃) 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
62	Infrared and visible emission of Pr ³⁺ , Eu ³⁺ , Yb ³⁺ /Er ³⁺ in Ca ₄ Gd(BO ₃) ₃ O (GdCOB). Journal of Luminescence, 2000, 87-89, 611-613.	3.1	16
63	Largely tunable diode-pumped sub-100-fs Yb:BOYS laser. Applied Physics B: Lasers and Optics, 2002, 74, s201-s203.	2.2	16
64	ESR and optical spectroscopy of Ce ³⁺ : $\hat{\Gamma}_2$ -alumina. Journal of Solid State Chemistry, 1990, 86, 94-100.	2.9	15
65	Flux growth and characterization of rare-earth-doped non-linear huntite-type borate crystals: Y _{1-x} Nd _x (Al _{0.7} Ga _{0.3}) ₃ (BO ₃) ₄ and Y _{1-x} Yb _x Al ₃ (BO ₃) ₄ . Journal of Materials Chemistry, 1995, 5, 583.	6.7	15
66	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
67	Spectroscopic properties of newly flux grown and highly Yb ³⁺ -doped cubic RE ₂ O ₃ (RE=Y, Gd, Lu) laser crystals. Optical Materials, 2015, 39, 258-264.	3.6	15
68	Site-selective 900nm quasi-three-level laser emission in Nd-doped strontium lanthanum aluminate. Applied Physics Letters, 2004, 85, 2685-2687.	3.3	14
69	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
70	Growth and type-I noncritical phase-matching second-harmonic-generation of Gd _{1-x} R _x Ca ₄ O(BO ₃) ₃ (R ₃ +Sc ³⁺ or Lu ³⁺) crystals. Journal of Crystal Growth, 2006, 294, 442-446.	1.5	13
71	First measurement of the nonlinear coefficient for Gd _{1-x} Lu _x Ca ₄ O(BO ₃) ₃ and Gd _{1-x} Sc _x Ca ₄ O(BO ₃) ₃ crystals. Optics Express, 2007, 15, 4893.	3.4	13
72	Singular topology of optical absorption in biaxial crystals. Optics Express, 2009, 17, 19868.	3.4	13

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73	Temperature stable operation of YCOB crystal for giant-pulse green microlaser. Optics Express, 2017, 25, 6431.	3.4	13
74	Spectroscopic properties and laser performances of Yb:LGSB nonlinear optical crystal. Journal of Alloys and Compounds, 2016, 688, 510-517.	5.5	12
75	Excited state absorption of the self-frequency doubling laser material: Nd:GdCOB. Optics Communications, 2000, 184, 209-214.	2.1	11
76	Diode-pumped laser operation at 1053 and 900 nm in Sr _{1-x} La _x Nd _y Mg _z Al _{12-x-z} single crystal. Laser Physics, 2013, 23, 095802.	12.2	10
77	Lanthanide ion exchange in sodium \tilde{A} -aluminogallate Na _{1+x} (Al _{1-y} Ga _y) ₁₁ O _{17+x/2} single crystals. Solid State Ionics, 1990, 39, 225-231.	2.7	10
78	Enhanced 532 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
79	Spectroscopic features and laser performance at 1.06 μ m of Nd ³⁺ -doped Gd _{1-x} Lu _x Ca ₄ O(BO ₃) ₃ single crystal. Journal of Applied Physics, 2012, 111, .	2.5	10
80	Fine spectroscopy and Judd-Ofelt analysis of Pr ³⁺ doped Sr _{0.7} La _{0.3} Mg _{0.3} Al _{11.7} O ₁₉ (Pr:ASL). Journal of Luminescence, 2020, 219, 116895.	3.1	10
81	ESR and Optical Studies of Neodymium-Exchanged Sodium \tilde{A} -Aluminogallate Single Crystals. Journal of the Electrochemical Society, 1991, 138, 3394-3397.	2.9	8
82	Host dependence of the optical properties of Nd ³⁺ ions in zircon-type crystals YMO ₄ (M = V, P, As). Journal of Luminescence, 1997, 72-74, 195-197.	3.1	8
83	Linear and nonlinear optical properties of implanted Ca ₄ GdO(BO ₃) ₃ planar waveguides. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2192.	2.1	8
84	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
85	Spectroscopic study of europium doped RCOB host lattices: evidence of local perturbations. Journal of Alloys and Compounds, 2004, 380, 141-145.	5.5	7
86	Laser operation in Nd:Sc ₂ SiO ₅ crystal based on transition $^4F_{3/2} \rightarrow ^4I_{9/2}$ of Nd ³⁺ ions. Optical Materials Express, 2014, 4, 458.	3.0	7
87	Crystal growth and spectroscopic properties of praseodymium and cerium co-doped Y ₂ SiO ₅ . Journal of Luminescence, 2014, 145, 547-552.	3.1	7
88	High peak-power near-MW laser pulses by third harmonic generation at 355 nm in Ca ₅ (BO ₃) ₃ F nonlinear single crystals. Optics Express, 2020, 28, 10524.	3.4	7
89	Spectral and structural studies of GdCOB and YCOB crystals. Journal of Alloys and Compounds, 2004, 380, 235-240.	5.5	6
90	Investigations of NCPM second harmonic generation and self frequency doubling in Gd _{1-x} R _x Nd _y Ca ₄ O(BO ₃) ₃ (R=Sc or Lu) crystals. Optical Materials, 2007, 30, 44-46.	3.6	6

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91	Dielectric frame, Sellmeier equations, and phase-matching properties of the monoclinic acentric crystal $GdCa_4O(BO_3)_3$. <i>Optics Letters</i> , 2016, 41, 5290.	3.3	6
92	Crystal growth and transport properties of sodium β - and β -aluminogallates. <i>Solid State Ionics</i> , 1990, 40-41, 83-86.	2.7	5
93	Phonon effects in Yb^{3+} and Nd^{3+} spectra of GdCOB. <i>Journal of Luminescence</i> , 2001, 94-95, 691-694.	3.1	5
94	12-mJ, 350-fs Yb:GdCOB regenerative amplifier. <i>Optics Communications</i> , 2001, 199, 181-187.	2.1	5
95	Nonlinear optical borate crystal $Ba_2B_{10}O_{17}$. , 2001, 4268, 175.		5
96	Optical planar and channel waveguides in the new nonlinear crystal $Ca_4YO(BO_3)_3$ (YCOB) fabricated by He ⁺ implantation. <i>Applied Optics</i> , 2004, 43, 491.	2.1	5
97	Czochralski growth and characterization of neodymium-doped strontium lanthanum aluminate (ASL:Nd) single crystals. <i>Journal of Crystal Growth</i> , 2005, 277, 410-415.	1.5	5
98	Disorder effects in Nd^{3+} -doped strontium hexa-aluminate laser crystals. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 597-611.	1.8	5
99	Crystal Growth and Characterization of Terbium-Based Borate Crystals of $Sr_3Tb(BO_3)_3$, $Li_6Tb(BO_3)_3$, and $TbCa_4O(BO_3)_3$: Color Centers, Spectroscopic Properties, and Optical Gain. <i>Crystal Growth and Design</i> , 2020. 20. 1905-1919.	3.0	5
100	Spectroscopic bases for efficiency enhancement and power scaling of self-frequency multiplication and self-sum-frequency mixing emission in Nd-doped nonlinear crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004, 21, 1620.	2.1	4
101	CW blue laser emission by second harmonic generation of 900-nm oscillation of Nd-doped strontium and lanthanum aluminate (ASL). , 2006, , .		4
102	Crystal defects revealed by Schlieren photography and chemical etching in nonlinear single crystal LYSB. <i>Optical Materials Express</i> , 2011, 1, 1569.	3.0	4
103	Low-Temperature Synthesis and Characterization of Mixed Sodium Cerium(III) Hexa-Aluminate. <i>Journal of the American Ceramic Society</i> , 1987, 70, C-179-C-181.	3.8	3
104	Optical properties of single crystals of gallium-substituted NYAB: $Y_1-xNd_x(Al_{1-y}Ga_y)_3(BO_3)_4$. <i>Journal of Materials Chemistry</i> , 1995, 5, 265-271.	6.7	3
105	<title>High resolution investigation of Nd^{3+} -doped strontium lanthanum aluminate</title>. , 2004, , .		3
106	Growth and characterization of a nonlinear borate optical crystal: $BaNaB_9O_{15}$. <i>Journal of Crystal Growth</i> , 2009, 311, 389-393.	1.5	3
107	Four hundred-nanometer blue-violet light production by type-I noncritical phase-matching second-harmonic generation in $Gd_{1-x}R_xCa_4O(BO_3)_3$ (R=Lu, Sc): Crystal growth and nonlinear characterization. <i>Optical Materials</i> , 2010, 32, 1283-1285.	3.6	3
108	Third harmonic generation at 343nm in nonlinear $Ca_5(BO_3)_3F$ (CBF) crystals. <i>Optical Materials Express</i> , 2013, 3, 1798.	3.0	3

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109	> 1 MW peak power at 266 nm in nonlinear YAl ₃ (BO ₃) ₄ (YAB) single crystal. , 2015, , .		3
110	Optical behaviour of sodium ¹² -aluminogallate single crystals doped with Cr ³⁺ and Cr ³⁺ + Nd ³⁺ . Journal of Materials Chemistry, 1994, 4, 907-913.	6.7	2
111	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
112	Spectroscopic properties of newly flux grown RE ₂ O ₃ :Yb ³⁺ (RE=Y,Lu) laser crystals for high-power diode-pumped systems. Proceedings of SPIE, 2012, , .	0.8	2
113	(INVITED) Czochralski-grown La _x Gd _y RzSc _{4-x-y-z} (BO ₃) ₄ (R = Yb, Nd) crystals - A review of recent developments. Optical Materials: X, 2020, 7, 100052.	0.8	2
114	Laser characterization of the Yb ³⁺ :Y ₂ SiO ₅ (Yb:YOS). , 2000, , .		1
115	Spectroscopy and laser performances of Yb ³⁺ -doped silicate lasers. , 2001, , TuB11.		1
116	Investigation of new Nd-doped crystals designed for laser operation at short wavelengths along the 4F _{3/2} -> 4I _{9/2} channel around 900 nm. , 2006, , .		1
117	Composition dependence of Pr ³⁺ spectral characteristics in strontium lanthanum aluminate crystals. Optical Materials, 2007, 30, 164-167.	3.6	1
118	Cationic disorder effects in complex oxide laser materials and phosphors. Optical Materials, 2008, 30, 1677-1681.	3.6	1
119	Rare-earth-doped optical-fiber core deposition using full vapor-phase SPCVD process. Proceedings of SPIE, 2017, , .	0.8	1
120	Enhanced self-doubling efficiency in directly-pumped Nd-activated non-linear crystals: case of GdCOB. , 2002, , .		1
121	Optical properties of modified YAB single crystals : Y _{1-x} Ln _x (Al _{1-y} Ga _y) ₃ (BO ₃) ₄ . European Physical Journal Special Topics, 1994, 04, C4-357-C4-360.	0.2	0
122	Développement de lasers visibles pompés par diode à base de cristaux de NdGdCOB autodoubleurs de fréquence. Comptes Rendus Physique, 2000, 1, 609-614.	0.1	0
123	Diode pumped femtosecond oscillators based on new ytterbium doped borates crystals. , 2003, , .		0
124	Ca ₄ YO(BO ₃) ₃ : Optical frame wavelength dependence, second harmonic generation and dispersion equations. European Physical Journal Special Topics, 2004, 119, 275-276.	0.2	0
125	<title>Enhanced performances of Nd-activated self-nonlinear devices</title>. , 2004, , .		0
126	<title>Optical analysis of the local perturbation in RCOB host lattice doped with europium ion</title>. , 2004, 5581, 157.		0

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127	<title>Spectral and structural studies of GdCOB and YCOB crystals</title>. , 2004, , .		0
128	<title>Electronic and vibronic structure of Yb$^{3+}$ in GdCOB</title>. , 2004, , .		0
129	Nonlinear Optical Crystal YxLayScz(BO3)4 (x + y + z = 4).. ChemInform, 2005, 36, no.	0.0	0
130	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 /Oylock 10		
131	<title>Spectroscopic bases for optimisation of 900 nm laser emission of Nd$^{3+}$ in strontium lanthanum aluminate</title>. , 2006, , .		0
132	Research, growth, and optical properties of new borate-based NLO crystals for generation of visible and UV light. , 2006, 6190, 135.		0
133	Novel nonlinear borates and fluoroborate for frequency conversion: from crystal growth to nonlinear optical properties.. , 2007, , WC3.		0
134	Diode pumping of Nd:ASL and its frequency doubling for blue emission around 450 nm. Proceedings of SPIE, 2008, , .	0.8	0
135	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
136	Introduction: Advances in Optical Materials (AIOM) feature. Optical Materials Express, 2011, 1, 523.	3.0	0
137	Diode pumped neodymium doped ASL (Sr1-xLax-yNdyMgxAl12-xO19) laser. , 2013, , .		0
138	Efficient, tunable, zero-line-diode-pumped, continuous-wave Yb3+:Ca4GdO(BO3)3 laser. , 2000, , .		0
139	Microlasers visibles Å base d'un cristal autodoubleur de Nd:GdCOB. European Physical Journal Special Topics, 2000, 10, Pr8-121.	0.2	0
140	12-m], 350-fs, Yb:GdCOB regenerative amplifier. , 2001, , .		0
141	Absorption and fluorescence singularities in the Nd:YCOB monoclinic crystal. , 2008, , .		0
142	First report of absorption and fluorescence singularities in the Nd:YCOB monoclinic crystal. , 2008, , .		0
143	Laser and self-doubling operations in a Nd:YCOB sphere. , 2008, , .		0
144	CW intracavity frequency doubled Nd:YAG core ceramics composite at 473 nm. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
145	High Efficiency Third Harmonic Generation at 355 nm in CBF (Ca ₅ (BO ₃) ₃ F) Single Crystal Using Micro-MOPA. , 2019, , .		0