

Niklaus U Wetter

List of Publications by Year in descending order

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170
papers

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citations

185998

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174
docs citations

174
times ranked

1799
citing authors

#	ARTICLE	IF	CITATIONS
1	Nd:YLF laser at 1053Ånm diode side pumped at 863Ånm with a near quantum-defect slope efficiency. Optics and Laser Technology, 2022, 149, 107818.	2.2	7
2	Fs laser writing in Nd ³⁺ doped GeO ₂ -PbO glasses for the production of a new double line waveguide architectures for photonic applications. , 2022, , .		0
3	Influence of different parameters used for fs laser writing of double line waveguides into Nd ³⁺ doped TeO ₂ -ZnO glasses by fs laser writing. , 2022, , .		0
4	Nd:YLF laser pumped at 797 nm with 68% slope efficiency. , 2022, , .		3
5	Adaptive, dynamically stable, high-power ring resonator. , 2022, , .		3
6	Emission properties study of a Nd ³⁺ -doped TZA glass random laser. , 2022, , .		1
7	A new double-line waveguide architecture for photonic applications using fs laser writing in Nd ³⁺ doped GeO ₂ -PbO glasses. Optical Materials, 2022, 129, 112495.	1.7	5
8	Diode-side-pumped, intracavity Nd:YLF/KGW/LBO Raman laser at 573â€‰nm for retinal photocoagulation. Optics Letters, 2021, 46, 508.	1.7	10
9	Focus issue introduction: Advanced Solid-State Lasers 2020. Optical Materials Express, 2021, 11, 952.	1.6	1
10	Focus issue introduction: Advanced Solid-State Lasers 2020. Optics Express, 2021, 29, 8365.	1.7	0
11	Focus issue introduction: Advanced Solid-State Lasers 2020. Optical Materials Express, 2021, 11, 952.	1.6	0
12	Record Optical Efficiency for a Diode-Side-Pumped Nd:YLiF ₄ Laser Operating at 1053 nm. , 2021, , .		0
13	New double line architecture produced by fs laser irradiation in Nd ³⁺ doped TeO ₂ -ZnO glass for photonic applications. , 2021, , .		0
14	Dynamically stable single frequency ring resonator from diode pumped Nd:YAG modules with 55.6 W of output power. Optics Express, 2021, 29, 23167.	1.7	6
15	Pedestal waveguides based on GeO ₂ -Bi ₂ O ₃ , GeO ₂ -PbO, Ta ₂ O ₅ and SiO _x Ny cores as platforms for optical amplifiers and nonlinear optics applications: Review of recent advances. Journal of Luminescence, 2021, 236, 118113.	1.5	6
16	Random lasing at localization induced in correlated colloidal system. Optical Materials, 2021, 120, 111428.	1.7	6
17	Localization of light induced in ordered colloidal suspensions: powerful sensing tools. Nanoscale, 2021, 13, 6417-6425.	2.8	10
18	Temporal study of a Nd ³⁺ doped TZA glass random laser. , 2021, , .		0

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19	Yb:KGW self-Raman laser with $89\hat{\epsilon}^{\text{cm}}^{-1}$ Stokes shift and more than 32% diode-to-Stokes optical efficiency. Optics and Laser Technology, 2020, 121, 105835.	2.2	4
20	Double line waveguide amplifiers written by femtosecond laser irradiation in rare-earth doped germanate glasses. Journal of Luminescence, 2020, 217, 116789.	1.5	12
21	Double line neodymium doped GeO ₂ -PbO waveguide amplifier for the second telecom window. , 2020, , .		2
22	Measurement of Differential Pressure by Optical Interferometry with Multimode Tunable Lasers. Journal of Engineering Science and Technology Review, 2020, 13, 17-21.	0.2	0
23	Nd:YLF/KGW intracavity Raman laser in DBMC configuration emitting at 1147 and 1163 nm in TEM ₀₀ . , 2020, , .		0
24	Measuring photoelastic dispersion coefficients in material samples with digital holography. , 2020, , .		3
25	Dynamically stable lasers from commercial Nd:YAG modules with high beam quality and single-frequency: The correct choice of the fundamental waist size at the rod. , 2020, , .		2
26	Polydispersed Nd ³⁺ :YVO ₄ +SiO ₂ powders for highly efficient random lasers. , 2020, , .		0
27	Three-level Nd:YLF Raman laser directly pumped by a beam shaped diode bar. , 2020, , .		0
28	Improving performance in ytterbium-erbium doped waveguide amplifiers through scattering by large silicon nanostructures. Journal of Alloys and Compounds, 2019, 794, 120-126.	2.8	8
29	Random laser materials: from ultrahigh efficiency to very low threshold (Anderson localization). Journal of Materials Science: Materials in Electronics, 2019, 30, 16761-16773.	1.1	5
30	Production of a microfluidic random laser using ultrashort laser pulses. , 2019, , .		0
31	Optimization of BGO Er/Yb doped pedestal waveguide amplifiers with Si nanostructures. , 2019, , .		0
32	Dynamically stable continuous single frequency green ring laser. , 2019, , .		2
33	Yellow laser at 573 nm generated by intracavity SHG diode- side-pumped Raman laser. , 2019, , .		0
34	Polydispersed Powders (Nd ³⁺ :YVO ₄) for Ultra Efficient Random Lasers. Particle and Particle Systems Characterization, 2018, 35, 1700335.	1.2	13
35	Tunable green/red luminescence by infrared upconversion in biocompatible forsterite nanoparticles with high erbium doping uptake. Optical Materials, 2018, 76, 407-415.	1.7	16
36	Production and characterization of femtosecond laser-written double line waveguides in heavy metal oxide glasses. Optical Materials, 2018, 75, 267-273.	1.7	30

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37	Pressure measurement by low coherence speckle interferometry membrane shaping with tunable diode lasers. , 2018, , .		0
38	Vital tooth bleaching using different techniques: A clinical evaluation. Future Dental Journal, 2018, , .	0.1	1
39	Anomalous transport of light at the phase transition to localization: strong dependence with incident angle. Photonics Research, 2018, 6, 929.	3.4	12
40	Dynamic random lasing in silica aerogel doped with rhodamine 6G. RSC Advances, 2018, 8, 29678-29685.	1.7	19
41	Dynamically stable Nd:YAG resonators with beam quality beyond the birefringence limit and pumping of a singly resonant optical parametric oscillator. Optics Letters, 2018, 43, 695.	1.7	7
42	Backscattered light properties during femtosecond laser ablation and development of a dynamic interferometric focusing system. , 2018, , .		1
43	Influence of the fraction of absorbed pump power on the performance of Nd ³⁺ :YVO ₄ powder random lasers. , 2018, , .		1
44	Ultra-High Efficiency and Low Threshold in Random Lasers. , 2018, , .		0
45	Dynamically stable operation of a 100-watt level CW single frequency ring laser at 1064 nm. , 2018, , .		1
46	Intracavity diode-side-pumped Raman laser at 1147 nm and 1163 nm. , 2018, , .		0
47	Localization of light: beginning of a new optics. , 2018, , .		1
48	Influence of silicon nanocrystals on the performance of Yb ³⁺ /Er ³⁺ : Bi ₂ O ₃ -GeO ₂ pedestal waveguides for amplification at 1542 nm. , 2018, , .		0
49	Core-shell (TiO ₂ @Silica) nanoparticles for random lasers. , 2018, , .		3
50	Femtosecond laser-written double line waveguides in germanate and tellurite glasses. , 2018, , .		0
51	Quasi-three level Nd:YLF fundamental and Raman laser operating under 872-nm and 880-nm direct diode pumping. , 2018, , .		1
52	Development of a dynamic interferometric focusing system for femtosecond laser machining. , 2017, , .		1
53	Optimizing grain size distribution in Nd:YVO ₄ powder pellets for random laser action with high efficiency. Proceedings of SPIE, 2017, , .	0.8	0
54	100 W continuous linearly polarized, high beam quality output from standard side-pumped Nd:YAG laser modules. Optics and Laser Technology, 2017, 96, 271-275.	2.2	13

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55	Random Lasing at Localization Transition in a Colloidal Suspension (TiO ₂ @Silica). ACS Omega, 2017, 2, 2415-2421.	1.6	31
56	Random lasers for lab-on-chip applications. , 2016, , .		1
57	Directional random laser source consisting of a HC-ARROW reservoir connected to channels for spectroscopic analysis in microfluidic devices. Applied Optics, 2016, 55, 5393.	2.1	20
58	Large area resonant feedback random lasers based on dye-doped biopolymer films. Optics Express, 2015, 23, 29954.	1.7	26
59	Double-beam, mode-controlling diode side-pumped Nd:YLF laser with near 60% efficiency. , 2015, , .		1
60	Ten deep blue to cyan emission lines from an intracavity frequency converted Raman laser. , 2015, , .		0
61	Diode side pumped, quasi-CW Nd:YVO ₄ self-Raman laser operating at 1176 nm. Proceedings of SPIE, 2015, , .	0.8	0
62	Real-time contour fringes obtained with a variable synthetic wavelength from a single diode laser. Applied Physics B: Lasers and Optics, 2015, 118, 159-166.	1.1	3
63	Influence of pump bandwidth on the efficiency of side-pumped, double-beam mode-controlled lasers: establishing a new record for Nd:YLiF ₄ lasers using VBC. Optics Express, 2015, 23, 9379.	1.7	21
64	Diode-side-pumped continuous wave Nd ³⁺ :YVO ₄ self-Raman laser at 1176 nm. Optics Letters, 2015, 40, 3524.	1.7	18
65	Enabling focusing around the corner in multiple scattering media. Applied Optics, 2015, 54, 7740.	2.1	2
66	Grain size distribution for optimized random laser emission in Nd ³⁺ :YVO ₄ powder pellets. , 2015, , .		0
67	Continuous yellow-orange laser based on a diode-side-pumped Nd ³⁺ :YVO ₄ self-Raman laser. , 2015, , .		0
68	Intracavity Raman lasers at 990 nm and 976 nm based on a three-level Nd:YLF fundamental laser. , 2014, , .		0
69	Rhodamine-doped Aerogel Random Laser. , 2014, , .		0
70	Record Efficiencies And Power Scalability In Diode-Side-Pumped Nd:YLiF ₄ Lasers Using Double-Beam Mode-Controlling. , 2014, , .		0
71	Investigation of blue emission from Raman-active crystals: Its origin and impact on laser performance. Optical Materials Express, 2014, 4, 889.	1.6	12
72	Intracavity frequency converted Raman laser producing 10 deep blue to cyan emission lines with up to 0.94 W output power. Optics Letters, 2014, 39, 6799.	1.7	9

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73	Power scaling of a side-pumped Nd:YLF laser based on DBMC technology. Applied Physics B: Lasers and Optics, 2014, 117, 855-860.	1.1	9
74	Laser decontamination of the radioactive lightning rods. Radiation Physics and Chemistry, 2014, 95, 188-190.	1.4	16
75	Quasi-continuous wave Raman lasers at 990 and 976 nm based on a three-level Nd:YLF laser. Optics Letters, 2014, 39, 2982.	1.7	17
76	Highly efficient, dynamically stable Nd:YAG single-rod resonators with 60% TEM ₀₀ extraction efficiency and high misalignment stability. Laser Physics, 2014, 24, 085801.	0.6	7
77	Two new blue laser emission lines from an intracavity Raman laser. , 2014, , .		2
78	Ten deep-blue to cyan laser emission lines from 451 nm to 495 nm using Nd:YLF-KGW-LBO intracavity Raman laser. , 2014, , .		0
79	LD-side-pumped Nd:YVO4 self-Raman laser at 1176 nm. , 2014, , .		0
80	45W CW TEM ₀₀ mode diode-side-pumped Nd:YAG rod laser with linearly polarized beam. , 2014, , .		0
81	Simple set-up for measuring low transmission losses of optical materials used in laser cavities. , 2014, , .		0
82	Pulse-to-pulse stability analysis in a frequency-doubled, q-switched Nd:YAG rod-laser. , 2013, , .		1
83	Diode-side-pumped Nd:YLiF ₄ laser emitting at 1053 nm with 53.6% optical efficiency and diffraction-limited beam quality. Laser Physics Letters, 2013, 10, 035807.	0.6	25
84	Random laser generation in rhodamine-doped aerogel. , 2013, , .		0
85	Diode-side-pumped Nd:YLF laser emitting at 1313 nm based on DBMC technology. Optics Letters, 2013, 38, 4088.	1.7	24
86	Neodymium doped lithium yttrium fluoride (Nd:YLiF ₄) lasers. , 2013, , 323-340.		2
87	A single-frequency, diode-pumped Nd:YLF laser at 657 nm: a frequency and intensity noise comparison with an extended cavity diode laser. Laser Physics, 2013, 23, 025801.	0.6	2
88	Highly efficient TEM ₀₀ mode operation of a diode-side-pumped Nd:YAG rod Laser. , 2013, , .		1
89	Comparison of grazing incidence Nd:YVO4 lasers pumped at 808 and 880 nm. , 2013, , .		1
90	Nd:GdVO4 self-Raman Laser Emitting at 994 nm. , 2013, , .		0

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91	Continuous-wave Watt-level Nd:YLF/KGW Raman laser operating at near-IR, yellow and lime-green wavelengths. Optics Express, 2012, 20, 9841.	1.7	53
92	Upconversion luminescence and decay kinetics in a diode-pumped nanocrystalline Nd ³⁺ :YVO ₄ random laser. Optics Express, 2012, 20, 12487.	1.7	23
93	Simple and versatile heterodyne whole-field interferometer for phase optics characterization. Review of Scientific Instruments, 2012, 83, 103103.	0.6	4
94	High-efficiency Q-switched and diffraction-limited Nd:YLF side-pumped laser. , 2012, , .		2
95	Two-wavelength whole-field interferometry setup for thermal lens study. Proceedings of SPIE, 2012, , .	0.8	0
96	Frequency upconversion properties of Tm ³⁺ doped TeO ₂ â€“ZnO glasses containing silver nanoparticles. Journal of Alloys and Compounds, 2012, 536, S504-S506.	2.8	46
97	1kHz repetition rate, mode-controlled, passively Q-switched Nd:YLF laser operating at 1053 nm. , 2012, , .		7
98	Compact, diode-side-pumped and Q-switched Nd:YLiF ₄ laser cavity operating at 1053 nm with diffraction limited beam quality. Applied Physics B: Lasers and Optics, 2012, 106, 877-880.	1.1	28
99	Effective Transmission of Light for Media Culture, Plates and Tubes. Photochemistry and Photobiology, 2012, 88, 1211-1216.	1.3	34
100	Investigation of a Blue Luminescence Power in Raman Crystals. , 2012, , .		0
101	Progressive Power Lenses (PPL) Characterization with Multi-Wavelength Speckle Interferometry. , 2012, , .		0
102	High beam quality cw 1.5 W BaWO ₄ Raman laser using Nd:YLF as laser active medium. , 2011, , .		1
103	Lidar-like equation model for optical coherence tomography signal solution. , 2011, , .		0
104	Influence of the heat treatment on the nucleation of silver nanoparticles in Tm ³⁺ doped PbO-GeO ₂ glasses. Applied Physics B: Lasers and Optics, 2011, 103, 165-169.	1.1	44
105	Synthesis and growth of materials for solid state lasers: Nd:YLF and Nd:LLW single crystal fibers. Journal of Crystal Growth, 2011, 317, 4-7.	0.7	6
106	Q-switching of a mode-controlled, diode-side-pumped Nd ³⁺ :YLiF ₄ laser at 1053 nm with high efficiency and diffraction limited beam quality. , 2011, , .		1
107	Alterations in enamel remineralization in vitro induced by blue light. Laser Physics, 2010, 20, 1469-1474.	0.6	7
108	Influence of Excited-State-Energy Upconversion on Pulse Shape in Quasi-Continuous-Wave Diode-Pumped Er:LiYF ₄ Lasers. IEEE Journal of Quantum Electronics, 2010, 46, 99-104.	1.0	20

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109	Tunable Single-Frequency Nd:YVO ₄ /BiB ₃ O ₆ Ring Laser at 671 nm. IEEE Journal of Quantum Electronics, 2010, 46, 804-809.	1.0	21
110	Increased Er ³⁺ upconversion in tellurite fibers and glasses by co-doping with Yb ³⁺ . Optical Materials, 2010, 33, 107-111.	1.7	32
111	Lasing of a single crystal Nd ³⁺ fluoride fiber. Optics Communications, 2010, 283, 3487-3491.	1.0	9
112	Low-Level Laser Therapy in Burning Mouth Syndrome Patients: A Pilot Study. Photomedicine and Laser Surgery, 2010, 28, 835-839.	2.1	42
113	Observation of strong cascaded Kerr-lens dynamics in an optimally-coupled cw intracavity frequency-doubled Nd:YLF ring laser. Optics Express, 2010, 18, 4796.	1.7	12
114	High efficiency diode-side-pumped Nd ³⁺ :YLiF ₄ laser at 1053nm. , 2009, , .		0
115	Single-frequency and Kerr-lens mode-locked Nd:YLF/ppKTP ring laser. , 2009, , .		0
116	Large hollow-core fiber random dye laser. , 2009, , .		0
117	0.6W single-frequency Nd:YVO ₄ /BiB ₃ O ₆ laser at 671nm. , 2009, , .		0
118	Color differences of canines and incisors in a comparative long-term clinical trial of three bleaching systems. Lasers in Medical Science, 2009, 24, 941-947.	1.0	39
119	Energy transfer and frequency upconversion in Yb ³⁺ /Er ³⁺ -doped PbO-GeO ₂ glass containing silver nanoparticles. Applied Physics B: Lasers and Optics, 2009, 94, 239-242.	1.1	125
120	Compact, diode-side-pumped Nd ³⁺ :YLiF ₄ laser at 1053 nm with 45% efficiency and diffraction-limited quality by mode controlling. Optics Letters, 2009, 34, 292.	1.7	34
121	Inhibition of enamel remineralization with blue LED: an in vitro study. , 2009, , .		1
122	Efficient and compact diode-side-pumped Nd:YLF laser operating at 1053 nm with high beam quality. Journal of Optics, 2008, 10, 104013.	1.5	33
123	Effect of the ytterbium concentration on the upconversion luminescence of Yb ³⁺ /Er ³⁺ co-doped PbO-GeO ₂ -Ga ₂ O ₃ glasses. Journal of Non-Crystalline Solids, 2008, 354, 4755-4759.	1.5	37
124	A high power 2.3 Åµm Yb:Tm:YLF laser diode-pumped simultaneously at 685 and 960 nm. Journal of Optics, 2008, 10, 104009.	1.5	13
125	Mode-controlling in a 7.5 cm long, transversally pumped, high power Nd:YVO ₄ laser. Journal of Optics, 2008, 10, 104012.	1.5	26
126	High-Power Diode-Pumped Single-Frequency Nd:YLF and Nd:YVO ₄ Lasers with Intra-cavity Second-Harmonic Generation to the Red Range. , 2008, , .		0

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127	Increasing Er ^[sup 3+] Up-Conversion Intensities By Co-Doping Telluride Glasses With Yb ^[sup 3+] . AIP Conference Proceedings, 2008, , .	0.3	0
128	High power, good beam quality Nd:YVO ₄ laser using a resonator with high extinction ratio for higher-order mode thresholds. AIP Conference Proceedings, 2008, , .	0.3	1
129	Compact diode-side-pumped Nd:YLF laser with high beam quality. AIP Conference Proceedings, 2008, , .	0.3	4
130	Selected Papers from RIAO/OPTILAS 2007 (Campinas, São Paulo, Brazil, 21â€“26 October 2007). Journal of Optics, 2008, 10, 100201.	1.5	0
131	Energy-transfer processes in high power Yb:Tm:YLF lasers emitting at 2.3 μ m. AIP Conference Proceedings, 2008, , .	0.3	0
132	Pulse-Energy-Enhanced, Strongly Modulated Er:YLF Laser for Medical Applications. AIP Conference Proceedings, 2008, , .	0.3	7
133	Correlation of Spatially Filtered Dynamic Speckles in Distance Measurement Application. AIP Conference Proceedings, 2008, , .	0.3	0
134	Diode side-pumped, high efficiency Nd:YVO ₄ laser and improvement in beam quality. , 2007, , .		0
135	Evaluation of laser level populations of erbium-doped glasses. Journal of Luminescence, 2007, 124, 200-206.	1.5	27
136	Tunable dual wavelength emission and bandwidth narrowing of a laser diode array with a simple external cavity. Applied Physics B: Lasers and Optics, 2007, 86, 515-518.	1.1	3
137	Effects of 960-nm Diode Laser Irradiation on Calcium Solubility of Dental Enamel: An In Vitro Study. Photomedicine and Laser Surgery, 2006, 24, 689-693.	2.1	28
138	Fabrication and characterization of Er ³⁺ -doped GeO ₂ -PbO and GeO ₂ -PbO-Bi ₂ O ₃ glass fibers. Journal of Non-Crystalline Solids, 2006, 352, 3530-3534.	1.5	24
139	Optimization of titanium cutting by factorial analysis of the pulsed Nd:YAG laser parameters. Journal of Materials Processing Technology, 2006, 179, 105-110.	3.1	86
140	Spectroscopic properties of Yb ³⁺ doped PbO-Bi ₂ O ₃ -Ga ₂ O ₃ glasses for IR laser applications. Optical Materials, 2005, 27, 1576-1582.	1.7	28
141	Intrapulpal Temperature during Preparation with the Er:YAG Laser: An In Vitro Study. Photomedicine and Laser Surgery, 2005, 23, 182-186.	2.1	61
142	Bleaching Efficacy of Whitening Agents Activated by Xenon Lamp and 960-nm Diode Radiation. Photomedicine and Laser Surgery, 2004, 22, 489-493.	2.1	60
143	Effects of low-intensity laser therapy on the orthodontic movement velocity of human teeth: A preliminary study. Lasers in Surgery and Medicine, 2004, 35, 117-120.	1.1	236
144	Dental bleaching efficacy with diode laser and LED irradiation: An in vitro study. Lasers in Surgery and Medicine, 2004, 35, 254-258.	1.1	102

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145	Optical properties of lithium fluoride fibers grown by micro-pulling-down method. <i>Optical Materials</i> , 2004, 27, 487-490.	1.7	8
146	Er ³⁺ laser transition in PbO–PbF ₂ –B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2004, 348, 94-97.	1.5	72
147	Up-conversion losses in Nd ³⁺ doped lead fluoroborate glasses. <i>Journal of Non-Crystalline Solids</i> , 2004, 348, 98-102.	1.5	19
148	GeO ₂ –PbO–Bi ₂ O ₃ glasses doped with Yb ³⁺ for laser applications. <i>Journal of Non-Crystalline Solids</i> , 2004, 348, 103-107.	1.5	28
149	Lead fluoroborate glasses doped with Nd ³⁺ . <i>Journal of Luminescence</i> , 2003, 102-103, 101-105.	1.5	39
150	Study of the most suitable new glass laser to incorporate ytterbium: alkali niobium tellurite, lead fluoroborate or heavy metal oxide. <i>Journal of Luminescence</i> , 2003, 102-103, 106-111.	1.5	31
151	Spectroscopic properties of heavy metal oxide glasses doped with erbium. <i>Journal of Luminescence</i> , 2003, 102-103, 91-95.	1.5	33
152	Spectroscopic properties of lead fluoroborate glasses codoped with Er ³⁺ and Yb ³⁺ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 2921.	0.9	22
153	Spectroscopic properties of lead fluoroborate and heavy metal oxide glasses doped with Yb ³⁺ . <i>Journal of Non-Crystalline Solids</i> , 2002, 304, 233-237.	1.5	21
154	Growth of LiY _{1-x} Lu _x F ₄ crystals under CF ₄ atmosphere. <i>Journal of Alloys and Compounds</i> , 2002, 344, 203-206.	2.8	14
155	Laser development of rare-earth doped crystals. <i>Journal of Alloys and Compounds</i> , 2002, 344, 231-239.	2.8	23
156	Lead fluoroborate glass doped with ytterbium. <i>Journal of Alloys and Compounds</i> , 2002, 344, 264-267.	2.8	14
157	Single frequency, continuously tunable, diode-pumped Nd:LiY _{0.5} Gd _{0.5} F ₄ microlaser. <i>Optics Communications</i> , 2002, 204, 311-315.	1.0	9
158	Zone melting growth of LiSrAlF ₆ :Cr crystals for diode laser pumping. <i>Journal of Crystal Growth</i> , 2002, 241, 177-182.	0.7	4
159	Spectroscopic properties of lead fluoroborate glasses doped with ytterbium. <i>Optics Express</i> , 2001, 8, 585.	1.7	16
160	Three-fold effective brightness increase of laser diode bar emission by assessment and correction of diode array curvature. <i>Optics and Laser Technology</i> , 2001, 33, 181-187.	2.2	30
161	Glasses of heavy metal and gallium oxides doped with neodymium. <i>Radiation Effects and Defects in Solids</i> , 2001, 156, 371-375.	0.4	5
162	Mode-locking operation of Nd:LuYLF. <i>Optical Engineering</i> , 2001, 40, 1573.	0.5	9

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163	Optical properties of Nd doped Bi ₂ O ₃ -PbO-Ga ₂ O ₃ glasses. Optics Express, 2000, 6, 104.	1.7	50
164	Growth of LiYF ₄ crystals doped with holmium, erbium and thulium. Journal of Crystal Growth, 1996, 166, 423-428.	0.7	43
165	Enhanced efficiency of a continuous-wave mode-locked Nd:YAG laser by compensation of the thermally induced, polarization-dependent bifocal lens. Applied Optics, 1993, 32, 5280.	2.1	20
166	Mode-locking operation of a pulsed Nd:YAG laser with F ₂ ⁺ :LiF color-center crystal in a dual configuration. Applied Optics, 1992, 31, 2719.	2.1	14
167	Laser operation of Nd _x :Y _y :Gd _{1-x-y} :LiF ₄ mixed crystals. , 0, , .		0
168	Optimum Yb ³⁺ concentration in PbO-Bi ₂ O ₃ -Ga ₂ O ₃ glasses for ultrashort laser applications. , 0, , .		0
169	Study of neodymium laser transition in glasses and influence of up-conversion processes under diode pumping. , 0, , .		0
170	Side-pumped, high beam-quality Nd:YLF amplifier for LIDAR applications. , 0, , .		0