

# Fredrik Laurell

## List of Publications by Year in descending order

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301  
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6,367  
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53794

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303  
docs citations

303  
times ranked

2937  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of an Yb-doped fiber gain-managed nonlinear amplifier seeded by femtosecond fiber lasers. Scientific Reports, 2022, 12, 404.	3.3	14
2	Room temperature photon-counting lidar at 3 $\mu\text{m}$ . Applied Optics, 2022, 61, 884.	1.8	7
3	Intra-Cavity Dark Pulse Generation through Synchronised Sum-Frequency Mixing. Optics Letters, 2022, 47, 1105-1108.	3.3	1
4	Electrooptic control of the modal distribution in a silicate fiber. Optics Express, 2022, 30, 12474.	3.4	0
5	A Lab-in-a-Fiber optofluidic device using droplet microfluidics and laser-induced fluorescence for virus detection. Scientific Reports, 2022, 12, 3539.	3.3	20
6	$\mu\text{J}$ -level multi-cycle terahertz generation in a periodically poled Rb:KTP crystal. Optics Letters, 2021, 46, 741.	3.3	9
7	Free-Space Intra-Cavity Dark Pulse Generation. , 2021, , .		0
8	Amplification of a 1.03 $\mu\text{m}$ optical frequency comb in the gain-managed nonlinear regime â€“ measurements and simulations. , 2021, , .		0
9	Anisotropic Off-Axis Laser Oscillator. ACS Photonics, 2021, 8, 1927-1932.	6.6	3
10	Laser cladding of transparent fused silica glass using sub- $\mu\text{m}$ powder. Optical Materials Express, 2021, 11, 3056.	3.0	10
11	Two-Photon-Absorption Enhanced Terahertz Generation from KTP Optically Pumped in the Visible-to-UV Range. Optics Express, 2021, 29, 37683-37694.	3.4	3
12	Quasi-phase matching waveguides on lithium niobate and KTP for nonlinear frequency conversion: A comparison. APL Photonics, 2021, 6, .	5.7	15
13	Mid-infrared photon counting LIDAR using intra-cavity up-conversion. , 2021, , .		0
14	Intracavity interrogation of an array of fiber Bragg gratings. Optics Express, 2021, 29, 111.	3.4	7
15	Octave-spanning Supercontinuum Generation from Off-axis Raman Oscillation in Monolithic KTP. Optics Letters, 2021, 46, 5990-5993.	3.3	1
16	Direct Heteroepitaxy of Orientationâ€“Patterned GaP on GaAs by Hydride Vapor Phase Epitaxy for Quasiâ€“Phaseâ€“Matching Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900627.	1.8	3
17	Sub-Wavelength THz Imaging of the Domains in Periodically Poled Crystals Through Optical Rectification. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 1144-1154.	2.2	3
18	High resolution and sensitivity up-conversion mid-infrared photon-counting LIDAR. Applied Optics, 2020, 59, 2365.	1.8	8

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19	C-cavity fiber laser employing a chirped fiber Bragg grating for electrically gated wavelength tuning. Optics Express, 2020, 28, 9208.	3.4	6
20	UV-written grating couplers on thin-film lithium niobate ridge waveguides. Optics Express, 2020, 28, 27839.	3.4	12
21	Ion-exchanged waveguides in periodically poled Rb-doped KTiOPO <sub>4</sub> for efficient second harmonic generation. Optics Express, 2020, 28, 38822.	3.4	5
22	Terahertz waveguiding in glass-clad silicon wafers. Optical Materials Express, 2020, 10, 742.	3.0	4
23	CO <sub>2</sub> laser annealed SiGe core optical fibers with radial Ge concentration gradients. Optical Materials Express, 2020, 10, 926.	3.0	16
24	Broadband infrared and THz transmitting silicon core optical fiber. Optical Materials Express, 2020, 10, 2491.	3.0	13
25	Widely tunable Er:Yb fiber laser using a fiber Bragg grating embedded in a 3D printed beam. Optical Materials Express, 2020, 10, 3353.	3.0	4
26	Ion-exchanged Waveguides in Periodically Poled Rb-doped KTiOPO <sub>4</sub> for Efficient Second Harmonic Generation. , 2020, , .		1
27	Negative First-Order Quasi-Phase Matching. , 2020, , .		0
28	Multi-cycle terahertz generation in a periodically poled Rb:KTP crystal. , 2020, , .		0
29	The C-cavity, a highly versatile and simple laser design. EPJ Web of Conferences, 2020, 243, 11001.	0.3	0
30	Development and experimental demonstration of negative first-order quasi-phase matching in a periodically poled Rb-doped KTiOPO <sub>4</sub> crystal. Optics Letters, 2020, 45, 6026.	3.3	1
31	Domain wall motion in stoichiometric LiTaO <sub>3</sub> induced by low-energy electron beam. Applied Physics Letters, 2019, 115, 052901.	3.3	5
32	THz Time-Domain Reflection Spectroscopy of KTiOPO <sub>4</sub> . , 2019, , .		0
33	Development of Orientation-Patterned GaP Growth on GaAs for Nonlinear Frequency Conversion. , 2019, , .		0
34	Stabilization of domain structures in Rb-doped KTiOPO <sub>4</sub> for high-temperature processes. Applied Physics Letters, 2019, 114, 052904.	3.3	3
35	Mid-Infrared Photon Counting by Intra-Cavity Up-Conversion for LIDAR. , 2019, , .		0
36	Spectral Response of Distributed-Feedback Resonators with a Continuously Distributed Phase Shift. , 2019, , .		0

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37	Soliton Self-Compression and Spectral Broadening of 1 $\mu$ m Femtosecond Pulses in Single-Domain KTiOPO <sub>4</sub> . , 2019, , .		0
38	Type I Quasi-Phase Matching in a Periodically Poled Rb-Doped KTiOPO <sub>4</sub> Ridge Waveguide. , 2019, , .		0
39	Accumulation of Distributed Phase Shift in Distributed-Feedback Resonators. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	3
40	157 $\mu$ m fiber source for atmospheric CO <sub>2</sub> continuous-wave differential absorption lidar. Optics Express, 2019, 27, 10304.	3.4	8
41	Continuously tunable, narrow-linewidth laser based on a semiconductor optical amplifier and a linearly chirped fiber Bragg grating. Optics Express, 2019, 27, 14213.	3.4	20
42	Linear electro-optical effect in silica fibers poled with ultraviolet lamp. Optics Express, 2019, 27, 14893.	3.4	9
43	Atmospheric CO <sub>2</sub> sensing using Scheimpflug-lidar based on a 157- $\mu$ m fiber source. Optics Express, 2019, 27, 17348.	3.4	18
44	Coherent phase transfer and pulse compression at 14 $\mu$ m in a backward-wave OPO. Optics Letters, 2019, 44, 3066.	3.3	10
45	Ge-capped SiGe core optical fibers. Optical Materials Express, 2019, 9, 4301.	3.0	13
46	Fabrication of a widely tunable fiber Bragg grating filter using fused deposition modeling 3D printing. Optical Materials Express, 2019, 9, 4409.	3.0	7
47	Time-domain spectroscopy of KTiOPO <sub>4</sub> in the frequency range 0.6–70 THz. OSA Continuum, 2019, 2, 3521.	1.8	2
48	Fan-out periodically poled structures in Rb-doped KTiOPO <sub>4</sub> for continuously tunable QPM devices. , 2019, , .		0
49	Lasing wavelength in dielectric distributed-feedback lasers with a distributed phase shift. , 2019, , .		0
50	Spectral behavior of integrated distributed-feedback resonators utilizing a distributed phase shift. , 2019, , .		0
51	Narrowband, tunable, infrared radiation by parametric amplification of a chirped backward-wave OPO signal. Optics Express, 2019, 27, 10602.	3.4	6
52	Mapping Mode-Locking Regimes in a Polarization-Maintaining Er-Doped Fiber Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9.	2.9	18
53	Short-Wave infrared atmospheric scheimpflug lidar. EPJ Web of Conferences, 2018, 176, 01012.	0.3	8
54	Validation of the angular quasi-phase-matching theory for the biaxial optical class using PPRKTP. Optics Letters, 2018, 43, 4276.	3.3	6

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55	Crystalline GaSb-core optical fibers with room-temperature photoluminescence. <i>Optical Materials Express</i> , 2018, 8, 1435.	3.0	17
56	Supercontinuum generation and soliton self-compression in $\Gamma_4^{(2)}$ -structured $\text{KTiOPO}_4$ . <i>Optica</i> , 2018, 5, 711.	9.3	12
57	Quasi-phase matched second harmonic generation in periodically poled Rb-doped $\text{KTiOPO}_4$ ridge waveguide. <i>Optics Express</i> , 2018, 26, 33142.	3.4	12
58	Angular Quasi-Phase-Matching in the biaxial crystal PPRKTP. , 2018, , .		0
59	Highly efficient periodically poled KTP-isomorphs with large apertures and extreme domain aspect-ratios. , 2018, , .		0
60	Spatial and temporal coherence in optical parametric devices pumped with multimode beams. <i>Lithuanian Journal of Physics</i> , 2018, 58, .	0.4	0
61	Demonstration of terahertz ferroelectric metasurface using a simple and scalable fabrication method. <i>Optics Express</i> , 2018, 26, 27917.	3.4	2
62	Domain dynamics in stoichiometric lithium tantalate revealed by wet etching and on-line second harmonic generation. <i>Journal of Applied Physics</i> , 2017, 121, 184103.	2.5	6
63	All-dielectric $\text{KTiOPO}_4$ metasurfaces based on multipolar resonances in the terahertz region. <i>Optics Express</i> , 2017, 25, 24068.	3.4	23
64	Fluidic trapping and optical detection of microparticles with a functional optical fiber. <i>Optics Express</i> , 2017, 25, 33657.	3.4	5
65	Direct birefringence and transmission modulation via dynamic alignment of P3HT nanofibers in an advanced opto-fluidic component. <i>Optical Materials Express</i> , 2017, 7, 52.	3.0	4
66	Cascaded Soliton Self-Compression and Mid-Infrared Supercontinuum Generation in $\Gamma_4^{(2)}$ -Structured KTP and KTA. , 2017, , .		0
67	Periodic poling of Rb-doped $\text{KTiOPO}_4$ by coercive field engineering. <i>Optics Express</i> , 2016, 24, 14682.	3.4	26
68	Terahertz parametric generation and amplification from potassium titanyl phosphate in comparison with lithium niobate and lithium tantalate. <i>Optics Express</i> , 2016, 24, 25964.	3.4	36
69	High aspect ratio microchannels fabricated in fused silica hollow fibres using Tesla coil. <i>Electronics Letters</i> , 2016, 52, 1620-1622.	1.0	0
70	Waveguides in polycrystalline diamond for mid-IR sensing. <i>Optical Materials Express</i> , 2016, 6, 1286.	3.0	19
71	Accurate modeling of high-repetition rate ultrashort pulse amplification in optical fibers. <i>Scientific Reports</i> , 2016, 6, 34742.	3.3	36
72	All-Fiber Nanosecond Gating for Time-Resolved Spectral Analysis. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 829-832.	2.5	2

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73	Numerical Study and Validation of Ultra-short Pulse Amplification in Fiber Amplifiers at High Repetition Rates. , 2016, , .		0
74	Terahertz parametric amplification using KTiOPO4. , 2016, , .		0
75	Multiwavelength laser designed for single-frame digital holography. Applied Optics, 2016, 55, 7517.	2.1	1
76	Influence of pre-annealing on the thermal regeneration of fiber Bragg gratings in standard optical fibers. Optics Express, 2015, 23, 27520.	3.4	26
77	Fabrication of long-period fiber gratings through periodic ablation using a focused CO <sub>2</sub> -laser beam. Optical Materials Express, 2015, 5, 2702.	3.0	5
78	Infrared absorption in KTP isomorphs induced with blue picosecond pulses. Optical Materials Express, 2015, 5, 2951.	3.0	11
79	Identification and collection of particles with optical fibers. , 2015, , .		0
80	A frequency-locked and frequency-doubled, hybrid Q-switched Yb:KYW laser at 515Ånm with a widely adjustable repetition rate. Applied Physics B: Lasers and Optics, 2015, 120, 545-550.	2.2	2
81	Contact poling of Rb:KTiOPO <sub>4</sub> using a micro-structured silicon electrode. Optics Express, 2015, 23, 636.	3.4	4
82	Tunable, high-power, continuous-wave dual-polarization Yb-fiber oscillator. Optics Express, 2015, 23, 17450.	3.4	1
83	Studies of sub-millisecond domain dynamics in periodically poled Rb-doped KTiOPO <sub>4</sub> , using online in situ second harmonic generation. Optics Express, 2015, 23, 20332.	3.4	10
84	Identification and collection of particles with optical fibers. , 2015, , .		0
85	Highly efficient continuous wave blue second-harmonic generation in fs-laser written periodically poled Rb:KTiOPO <sub>4</sub> waveguides. Optics Letters, 2014, 39, 1274.	3.3	17
86	High-power, single-frequency, continuous-wave optical parametric oscillator employing a variable reflectivity volume Bragg grating. Optics Express, 2014, 22, 29907.	3.4	28
87	A fiber optic system for detection and collection of micrometer-size particles. Optics Express, 2014, 22, 21480.	3.4	11
88	Intra-cavity frequency-doubled Yb:KYW laser using periodically poled Rb-doped KTP with a volume Bragg grating input coupler. Applied Physics B: Lasers and Optics, 2014, 115, 161-166.	2.2	1
89	Cascaded mode-locking of a spectrally controlled Yb:KYW laser. Applied Physics B: Lasers and Optics, 2014, 116, 493-499.	2.2	12
90	Chemical, mechanical and antibacterial properties of silver nanocluster/silica composite coated textiles for safety systems and aerospace applications. Applied Surface Science, 2014, 317, 131-139.	6.1	22

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91	High-power continuous-wave frequency-doubling in KTiOAsO <sub>4</sub> . Optics Express, 2013, 21, 30453.	3.4	17
92	Numerical modeling and determination of limiting powers for volume Bragg gratings used in lasers for spectral control. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2326.	2.1	3
93	Thermal limitations of volume Bragg gratings used in lasers for spectral control. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1402.	2.1	13
94	Efficient spectral control and tuning of a high-power narrow-linewidth Yb-doped fiber laser using a transversely chirped volume Bragg grating. Optics Express, 2013, 21, 4027.	3.4	14
95	Carbon nanotube mode-locked optically-pumped semiconductor disk laser. Optics Express, 2013, 21, 17806.	3.4	31
96	High-fidelity periodic domain structures in KTiOAsO <sub>4</sub> for the visible spectral range. Optical Materials Express, 2013, 3, 1444.	3.0	7
97	High-energy picosecond OPO based on PPKTP. Laser Physics Letters, 2013, 10, 115404.	1.4	8
98	Sub-ns OPO based on PPKTP with 1 mJ idler energy at 2.8 $\mu\text{m}$ . , 2013, , .		0
99	Contact poling of RKTp with silicon pillars. , 2013, , .		0
100	Numerical Determination of Limiting Powers for Volume Bragg Gratings Used in Lasers for Spectral Control. , 2013, , .		0
101	Studies of Sub Millisecond Domain Dynamics in Rubidium Doped KTP, Using Real-Time In-Situ SHG. , 2013, , .		0
102	Periodically Poled KTiOAsO <sub>4</sub> for Second Harmonic Generation in the Green Region. , 2013, , .		0
103	High-power continuous-wave frequency-doubling in KTiOAsO <sub>4</sub> . , 2013, , .		0
104	Multistep quadratic cascading in broadband optical parametric generation. Optics Letters, 2012, 37, 1727.	3.3	12
105	Soliton generation from an actively mode-locked fiber laser incorporating an electro-optic fiber modulator. Optics Express, 2012, 20, 2905.	3.4	19
106	Laser-written waveguides in KTP for broadband Type II second harmonic generation. Optics Express, 2012, 20, 22308.	3.4	25
107	Spectral and Angular Mapping of Parametric Generation in Purely Nonlinear Lattices. , 2012, , .		0
108	Sub-nanosecond, 1-kHz, low-threshold, non-critical OPO based on periodically-poled KTP crystal pumped at 1064 nm. , 2012, , .		5

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109	Tunable, passively Q-switched single-longitudinal-mode Nd:YVO <sub>4</sub> laser using a chirped volume Bragg grating. Applied Physics B: Lasers and Optics, 2012, 109, 99-103.	2.2	6
110	Sub-nanosecond, 10 <sup>10</sup> Hz, low-threshold, non-critical OPOs based on periodically poled KTP crystal pumped at 1,064 nm. Applied Physics B: Lasers and Optics, 2012, 109, 211-214.	2.2	18
111	Bulk PPKTP by crystal growth from high temperature solution. Journal of Crystal Growth, 2012, 360, 52-55.	1.5	2
112	Self-Assembled Ferroelectric Nano-Domain Gratings in Bulk RKTp. , 2012, , .		0
113	Quasi-phase matched nonlinear media: Progress towards nonlinear optical engineering. Optical Materials, 2012, 34, 513-523.	3.6	33
114	Quadratic Cascading Effects in Broadband Optical Parametric Generation. , 2012, , .		0
115	Control of Forward Stimulated Polariton Scattering in Periodically Poled Nonlinear Crystals. , 2012, , .		0
116	Luminescence properties of the Cu <sub>4</sub> I <sub>6</sub> Zn <sup>2+</sup> cluster. CrystEngComm, 2011, 13, 4729.	2.6	22
117	Electrostatic control of the domain switching dynamics in congruent LiNbO <sub>3</sub> via periodic proton-exchange. Applied Physics Letters, 2011, 98, .	3.3	29
118	Twin-beam optical parametric generation in $\chi^{(2)}$ nonlinear photonic crystals. Applied Physics Letters, 2011, 98, 161113.	3.3	25
119	Ultra-broadband optical parametric generation in periodically poled stoichiometric LiTaO <sub>3</sub> . Optics Express, 2011, 19, 4121.	3.4	31
120	On the tunability of a narrow-linewidth Yb-fiber laser from three- to four-level lasing behaviour. Optics Express, 2011, 19, 13940.	3.4	12
121	Template-growth of periodically domain-structured KTiOPO <sub>4</sub> [Invited]. Optical Materials Express, 2011, 1, 185.	3.0	10
122	5 mm thick periodically poled Rb-doped KTP for high energy optical parametric frequency conversion. Optical Materials Express, 2011, 1, 201.	3.0	82
123	Two-dimensional domain engineering in LiNbO <sub>3</sub> via a hybrid patterning technique. Optical Materials Express, 2011, 1, 365.	3.0	14
124	Fabrication of submicrometer quasi-phase-matched devices in KTP and RKTp [Invited]. Optical Materials Express, 2011, 1, 1319.	3.0	59
125	Optical parametric generation in purely nonlinear photonic crystals. , 2011, , .		0
126	Extended tunability of narrow-linewidth Yb-fiber laser. , 2011, , .		1



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127	A narrowband optical parametric oscillator tunable over 6.8 THz through degeneracy with a transversely-chirped volume Bragg grating. Applied Physics B: Lasers and Optics, 2011, 105, 239-244.	2.2	6
128	Investigation by coherent X-ray section topography of ferroelectric domain behaviour as a function of temperature in periodically poled Rb:KTP. Journal of Applied Crystallography, 2011, 44, 462-466.	4.5	8
129	Advances in quasi phase-matched optical frequency converters. , 2011, , .		0
130	5 mm Thick Periodically Poled Rb:KTiOPO4 for High Power Optical Frequency Conversion. , 2011, , .		0
131	Two-dimensional domain engineering in LiNbO3 via a hybrid patterning technique. , 2011, , .		0
132	High Fidelity Large Aperture Periodically Poled Rb:KTiOPO4 for High Energy Frequency Conversion. , 2011, , .		0
133	Applications of Volume Bragg Gratings in High-Power Fiber Lasers. , 2010, , .		1
134	Narrow linewidth high output-coupling dual VBG-locked Yb-doped fiber laser. Optics Express, 2010, 18, 4980.	3.4	5
135	Cavity length resonances in a nanosecond singly resonant optical parametric oscillator. Optics Express, 2010, 18, 10742.	3.4	6
136	Actively Q-switched all-fiber laser with an electrically controlled microstructured fiber. Optics Express, 2010, 18, 11052.	3.4	15
137	Parametric frequency Downconversion devices in periodically poled mg-doped stoichiometric Lithium Tantalate. , 2010, , .		0
138	Periodically Poled KTiOAsO4 For Mid-Infrared Light Generation. , 2010, , .		0
139	Photodarkening resistant Yb/Ce/Al silica 980 nm fiberlaser. , 2010, , .		0
140	Cavity Length Resonances in a Singly Resonant Optical Parametric Oscillator with a Volume Bragg Grating. , 2010, , .		0
141	Periodically poled KTiOAsO4 for highly efficient midinfrared optical parametric devices. Applied Physics Letters, 2009, 95, 191103.	3.3	14
142	Tunable narrowband optical parametric oscillator using a transversely chirped Bragg grating. Optics Letters, 2009, 34, 449.	3.3	29
143	Improved photodarkening resistivity in ytterbium-doped fiber lasers by cerium codoping. Optics Letters, 2009, 34, 1285.	3.3	155
144	Tunable Yb:KYW laser using a transversely chirped volume Bragg grating. Optics Express, 2009, 17, 2341.	3.4	12

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145	Highly efficient temporally stable narrow linewidth cryogenically cooled Yb-fiber laser. Optics Express, 2009, 17, 8433.	3.4	7
146	Mode spectrum of multi-longitudinal mode pumped near-degenerate OPOs with volume Bragg grating output couplers. Optics Express, 2009, 17, 17582.	3.4	11
147	All-fiber cavity dumping. Optics Express, 2009, 17, 17596.	3.4	25
148	A KTiOPO4 nonlinear photonic crystal for blue second harmonic generation. Applied Physics Letters, 2009, 94, 081121.	3.3	12
149	Study of a Narrowband Optical Parametric Oscillator at Degeneracy with a Transversely Chirped Bragg Grating. , 2009, , .		0
150	Narrow Linewidth Dual Volume-Bragg-Grating Locked Ytterbium-Doped Fiber-Laser. , 2009, , .		0
151	Tunable Yb:KYW Laser Using a Transversely Chirped Volume Bragg Grating. , 2009, , .		0
152	Tunable Yb:KYW laser using volume Bragg grating in s-polarization. Applied Physics B: Lasers and Optics, 2008, 91, 85-88.	2.2	9
153	High-power and wavelength-tunable operation of an Er,Yb fiber laser using a volume Bragg grating. Optics Letters, 2008, 33, 1204.	3.3	59
154	High-power, continuous-wave, second-harmonic generation at 532 nm in periodically poled KTiOPO <sub>4</sub> . Optics Letters, 2008, 33, 2955.	3.3	48
155	High-power linearly-polarized operation of a cladding-pumped Yb fibre laser using a volume Bragg grating for wavelength selection. Optics Express, 2008, 16, 9507.	3.4	46
156	Finite Beams in Reflective Volume Bragg Gratings: Theory and Experiments. IEEE Journal of Quantum Electronics, 2008, 44, 81-89.	1.9	39
157	Tandem PPKTP and ZGP OPO for mid-infrared generation. , 2008, , .		13
158	Fabrication and Characterization of Two-Dimensional Nonlinear Photonic Crystal in KTiOPO <sub>4</sub> . Ferroelectrics, 2008, 373, 22-25.	0.6	1
159	Diode-pumped solid state laser light sources for confocal laser scanning fluorescence microscopy. Journal of Laser Applications, 2008, 20, 160-164.	1.7	3
160	Longitudinal mode structure of degenerate OPO with volume Bragg grating output coupler. , 2008, , .		0
161	Tunable optical parametric oscillator controlled by a transversely chirped Bragg grating. , 2008, , .		0
162	Quasi-Two-Level Yb:KYW Laser Using a Volume Bragg Grating. , 2008, , .		0

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163	Volume Bragg Grating Tuned Large Mode Area Fiber Laser. , 2008, , .		0
164	Widely Tunable Yb:KYW Laser Locked by a Volume Bragg Grating. , 2007, , .		0
165	Tunable Ring Optical Parametric Oscillator with a Volume Bragg Grating. , 2007, , .		0
166	Monolithic Bragg-locked Nd-laser. , 2007, , .		0
167	Tandem OPO system for mid-infrared generation using quasi phase-matching and volume Bragg gratings. Proceedings of SPIE, 2007, , .	0.8	2
168	Narrowband and tunable ring optical parametric oscillator with a volume Bragg grating. Optics Letters, 2007, 32, 3278.	3.3	24
169	Efficient skew-angle cladding-pumped tunable narrow-linewidth Yb-doped fiber laser. Optics Letters, 2007, 32, 3501.	3.3	26
170	An all solid-state UV source based on a frequency quadrupled, passively Q-switched 946 nm laser. Optics Express, 2007, 15, 449.	3.4	12
171	Widely tunable Yb:KYW laser with a volume Bragg grating. Optics Express, 2007, 15, 1003.	3.4	58
172	Efficient doubling of femtosecond pulses in aperiodically and periodically poled KTP crystals. Optics Express, 2007, 15, 1155.	3.4	17
173	Single-longitudinal-mode Nd-laser with a Bragg-grating Fabry-Perot cavity: erratum. Optics Express, 2007, 15, 9387.	3.4	1
174	Nonlinear cavity dumping of a high finesse frequency mixing module. Optics Express, 2007, 15, 9799.	3.4	5
175	Efficient narrow-linewidth volume-Bragg grating-locked Nd: fiber laser. Optics Express, 2007, 15, 11336.	3.4	28
176	Monolithic Bragg-locked Nd:GdVO4 laser. Optics Express, 2007, 15, 11589.	3.4	19
177	Quasi-two-level Yb:KYW laser with a volume Bragg grating. Optics Express, 2007, 15, 13930.	3.4	25
178	Frequency-doubling in femtosecond laser inscribed periodically-poled potassium titanyl phosphate waveguides. Optics Express, 2007, 15, 17146.	3.4	33
179	Yb <sup>3+</sup> ,Er <sup>3+</sup> :YAG at high temperatures: Energy transfer and spectroscopic properties. Optics Communications, 2007, 271, 142-147.	2.1	35
180	Laser diode beam shaping with GRIN lenses using the twisted beam approach and its application in pumping of a solid-state laser. Optics Communications, 2007, 274, 403-406.	2.1	8

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181	Laser performance of Yb:GdCa <sub>4</sub> O(BO <sub>3</sub> ) <sub>3</sub> compared to Yb:KGd(WO <sub>4</sub> ) <sub>2</sub> under diode-bar pumping. Laser Physics, 2007, 17, 1204-1208.	1.2	22
182	Narrow linewidth 2 $\hat{1}$ / <sub>4</sub> m optical parametric oscillation in periodically poled LiNbO <sub>3</sub> with volume Bragg grating outcoupler. Applied Physics B: Lasers and Optics, 2007, 86, 497-501.	2.2	28
183	Mid-infrared ZGP OPO pumped by near-degenerate narrowband type-I PPKTP parametric oscillator. Applied Physics B: Lasers and Optics, 2007, 88, 37-41.	2.2	54
184	Tailored UV-laser source for fluorescence spectroscopy of biomolecules. Optics and Lasers in Engineering, 2007, 45, 444-449.	3.8	6
185	High-efficiency frequency converters with periodically-poled Rb-doped KTiOPO <sub>4</sub> . Optical Materials, 2007, 30, 594-599.	3.6	29
186	Transversal mode transformation in reflective volume Bragg gratings, theory and experiments. , 2007, , .		3
187	ZGP Mid-Infrared Laser Source Pumped by Nearly-Degenerate PPKTP Parametric Oscillator. , 2007, , .		1
188	Tunable Yb:KYW laser with a volume Bragg grating. , 2007, , .		0
189	Highly efficient stimulated Raman scattering of picosecond pulses in KTiOPO <sub>4</sub> . Applied Physics Letters, 2006, 88, 041110.	3.3	44
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