Fredrik Laurell

List of Publications by Year
in descending order

301	6,367	53794 45	106344 65
papers	citations	h-index	g-index

303	303	303	2937
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Blue light generated by frequency doubling of laser diode light in a lithium niobate channel waveguide. IEEE Photonics Technology Letters, 1989, 1, 316-318.	2.5	221
2	Electric field poling of flux grown KTiOPO4. Applied Physics Letters, 1997, 71, 3474-3476.	3.3	190
3	Improved photodarkening resistivity in ytterbium-doped fiber lasers by cerium codoping. Optics Letters, 2009, 34, 1285.	3.3	155
4	Transmission measurements in KTP and isomorphic compounds. Applied Optics, 2000, 39, 5058.	2.1	137
5	Fabrication of periodically domain-inverted channel waveguides in lithium niobate for second harmonic generation. Journal of Lightwave Technology, 1989, 7, 1597-1600.	4.6	109
6	Development and characterization of Yb-Er laser glass for high average power laser diode pumping. Applied Physics B: Lasers and Optics, 2002, 75, 41-46.	2.2	106
7	Detection of ferroelectric domain reversal in KTiOPO4waveguides. Journal of Applied Physics, 1992, 71, 4664-4670.	2.5	96
8	Generation of 740??mW of blue light by intracavity frequency doubling with a first-order quasi-phase-matched KTiOPO_4 crystal. Optics Letters, 1999, 24, 205.	3.3	94
9	Interferometric study of poled glass under etching. Optics Letters, 1996, 21, 1786.	3.3	82
10	Second-order nonlinearities in the domain walls of periodically poled KTiOPO4. Applied Physics Letters, 2004, 85, 375-377.	3.3	82
11	5 mm thick periodically poled Rb-doped KTP for high energy optical parametric frequency conversion. Optical Materials Express, 2011, 1, 201.	3.0	82
12	Frequency doubling in periodically poled RbTiOAsO4. Electronics Letters, 1996, 32, 556.	1.0	81
13	Wet etching of proton-exchanged lithium niobate-a novel processing technique. Journal of Lightwave Technology, 1992, 10, 1606-1609.	4.6	77
14	Second-harmonic imaging of ferroelectric domain walls. Applied Physics Letters, 1998, 73, 1814-1816.	3.3	77
15	Nanoscale imaging of domains and domain walls in periodically poled ferroelectrics using atomic force microscopy. Applied Physics Letters, 2002, 80, 1622-1624.	3.3	76
16	Periodic poling of RbTiOPO4 for quasi-phase matched blue light generation. Applied Physics Letters, 1999, 74, 1519-1521.	3.3	75
17	Efficient all solid-state continuous-wave yellow-orange light source. Optics Express, 2005, 13, 1188.	3.4	74
18	Narrowband bulk Bragg grating optical parametric oscillator. Optics Letters, 2005, 30, 2281.	3.3	73

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19	Loss of optical nonlinearity in protonâ€exchanged LiNbO3waveguides. Applied Physics Letters, 1992, 60, 301-303.	3.3	71
20	Bright, single-spatial-mode source of frequency non-degenerate, polarization-entangled photon pairs using periodically poled KTP. Optics Express, 2004, 12, 3573.	3.4	69
21	ZnGeP_2 parametric oscillator pumped by a linewidth-narrowed parametric 2 Î¼m source. Optics Letters, 2006, 31, 1878.	3.3	68
22	Single-longitudinal-mode Nd-laser with a Bragg-grating Fabry-Perot cavity. Optics Express, 2006, 14, 9284.	3.4	65
23	Diode-pumped Erâ€“Yb:glass laser passively Q switched by use of Co^2+:MgAl_2O_4 as a saturable absorber. Applied Optics, 2000, 39, 6188.	2.1	64
24	Backward quasi-phase-matched second-harmonic generation in submicrometer periodically poled flux-grown KTiOPO4. Applied Physics Letters, 2005, 86, 181105.	3.3	63
25	Submicron periodically poled flux-grown KTiOPO4. Applied Physics Letters, 2003, 82, 4233-4235.	3.3	60
26	Dynamics of green light-induced infrared absorption in KTiOPO4 and periodically poled KTiOPO4. Journal of Applied Physics, 2004, 96, 2023-2028.	2.5	60
27	Optical parametric oscillators for high pulse energy and high average power operation based on large aperture periodically poled KTP and RTA. Applied Physics B: Lasers and Optics, 2001, 73, 663-670.	2.2	59
28	Luminescent and laser properties of Yb?Er:GdCa4O(BO3)3: a new crystal for eye-safe 1.5-?m lasers. Applied Physics B: Lasers and Optics, 2004, 79, 577-581.	2.2	59
29	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
30	Fabrication of submicrometer quasi-phase-matched devices in KTP and RKTP [Invited]. Optical Materials Express, 2011, 1, 1319.	3.0	59
31	Ultraviolet generation by first-order frequency doubling in periodically poled KTiOPO_4. Optics Letters, 1998, 23, 1883.	3.3	58
32	High-power optical parametric oscillation in large-aperture periodically poled KTiOPO_4. Optics Letters, 2000, 25, 174.	3.3	58
33	Widely tunable Yb:KYW laser with a volume Bragg grating. Optics Express, 2007, 15, 1003.	3.4	58
34	A 980-nm Yb-Doped Fiber MOPA Source and Its Frequency Doubling. IEEE Photonics Technology Letters, 2004, 16, 1032-1034.	2.5	56
35	Broadly tunable infrared femtosecond optical parametric oscillator based on periodically poled RbTiOAsO_4. Optics Letters, 1997, 22, 1397.	3.3	55
36	Tunable single-longitudinal-mode ErYb:glass laser locked by a bulk glass Bragg grating. Optics Letters, 2006, 31, 1663.	3.3	54

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37	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
38	Polarization-switching characteristics of flux-grown KTiOPO4 and RbTiOPO4 at room temperature. Journal of Applied Physics, 2005, 97, 124105.	2.5	52
39	Noncollinear second-harmonic generation in periodically poled KTiOPO_4 excited by the Bessel beam. Optics Letters, 1999, 24, 1053.	3.3	51
40	High-power, continuous-wave, second-harmonic generation at 532 nm in periodically poled KTiOPO_4. Optics Letters, 2008, 33, 2955.	3.3	48
41	Widely and continuously tunable optical parametric oscillator based on a cylindrical periodically poled KTiOPO_4 crystal. Optics Letters, 2001, 26, 1882.	3.3	47
42	Generation of 2.8 ps pulses by mode-locking a Nd:GdVO4 laser with defocusing cascaded Kerr lensing in periodically poled KTP. Optics Express, 2005, 13, 5270.	3.4	47
43	Frequency doubling in Ti:MgO:LiNbO_3 channel waveguides. Journal of the Optical Society of America B: Optical Physics, 1988, 5, 292.	2.1	46
44	Efficient frequency doubling of a vertical-extended-cavity surface-emitting laser diode by use of a periodically poled KTP crystal. Optics Letters, 2003, 28, 2091.	3.3	46
45	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
46	Efficient Nd:YAG laser frequency doubling with periodically poled KTP. Applied Optics, 1998, 37, 7116.	2.1	44
47	The SHG-response of different phases in proton exchanged lithium niobate waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2000, 6, 132-142.	2.9	44
48	Highly efficient stimulated Raman scattering of picosecond pulses in KTiOPO4. Applied Physics Letters, 2006, 88, 041110.	3.3	44
49	First-order type II quasi-phase-matched UV generation in periodically poled KTP. Optics Letters, 1999, 24, 978.	3.3	42
50	Imaging the nonlinear grating in frequency-doubling fibres. Nature, 1995, 378, 699-701.	27.8	41
51	Continuous-wave singly resonant optical parametric oscillator based on periodically poled RbTiOAsO_4. Optics Letters, 1998, 23, 837.	3.3	41
52	Poled Glasses. MRS Bulletin, 1998, 23, 31-35.	3.5	41
53	230-mW diode-pumped single-frequency Er:Yb laser at 1.5 Î¼m. IEEE Photonics Technology Letters, 2001, 13, 19-21.	2.5	41
54	Enhanced stimulated Raman scattering in optical parametric oscillators from periodically poled KTiOPO4. Applied Physics Letters, 2003, 82, 325-327.	3.3	39

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55	Finite Beams in Reflective Volume Bragg Gratings: Theory and Experiments. IEEE Journal of Quantum Electronics, 2008, 44, 81-89.	1.9	39
56	Real-time and in situ monitoring of ferroelectric domains during periodic electric field poling of KTiOPO4. Journal of Applied Physics, 2001, 90, 1489-1495.	2.5	38
57	Ultrabroad gain in an optical parametric generator with periodically poled KTiOPO4. Applied Physics B: Lasers and Optics, 2006, 85, 73-77.	2.2	37
58	Nanosecond optical parametric oscillator based on large-aperture periodically poled RbTiOAsO_4. Optics Letters, 1999, 24, 330.	3.3	36
59	Terahertz parametric generation and amplification from potassium titanyl phosphate in comparison with lithium niobate and lithium tantalate. Optics Express, 2016, 24, 25964.	3.4	36
60	Accurate modeling of high-repetition rate ultrashort pulse amplification in optical fibers. Scientific Reports, 2016, 6, 34742.	3.3	36
61	Passive Q-switching at 1.54 Î¼m of an Erâ€“Yb: GdCa4O(BO3)3 laser with a Co2+: MgAl2O4 saturable absorber. Applied Physics B: Lasers and Optics, 2005, 81, 49-52.	2.2	35
62	Yb3+,Er3+:YAG at high temperatures: Energy transfer and spectroscopic properties. Optics Communications, 2007, 271, 142-147.	2.1	35
63	Fabrication of waveguides in glasses by a poling procedure. Applied Physics Letters, 1997, 71, 2418-2420.	3.3	34
64	Efficient nanosecond optical parametric oscillators based on periodically poled KTP emitting in the 18â€“25-Âµm spectral region. Optics Letters, 1999, 24, 1233.	3.3	34
65	Periodic Structures For Phase-Matching In Second Harmonic Generation In Titanium Lithium Niobate Wave Guides. Proceedings of SPIE, 1986, , .	0.8	33
66	Periodically poled materials for miniature light sources. Optical Materials, 1999, 11, 235-244.	3.6	33
67	Frequency-doubling in femtosecond laser inscribed periodically-poled potassium titanyl phosphate waveguides. Optics Express, 2007, 15, 17146.	3.4	33
68	Quasi-phase matched nonlinear media: Progress towards nonlinear optical engineering. Optical Materials, 2012, 34, 513-523.	3.6	33
69	Etching of Silica Glass under Electric Fields. Physical Review Letters, 1997, 78, 2172-2175.	7.8	31
70	Ultra-broadband optical parametric generation in periodically poled stoichiometric LiTaO_3. Optics Express, 2011, 19, 4121.	3.4	31
71	Carbon nanotube mode-locked optically-pumped semiconductor disk laser. Optics Express, 2013, 21, 17806.	3.4	31
72	Proton exchanged LiNbO3 and LiTaO3 optical waveguides and integrated optic devices. Microelectronic Engineering, 2003, 69, 228-236.	2.4	30

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73	Simultaneous generation of UV and visible light in segmented KTP waveguides. Applied Physics Letters, 1993, 62, 1872-1874.	3.3	29
74	High-efficiency frequency converters with periodically-poled Rb-doped KTiOPO4. Optical Materials, 2007, 30, 594-599.	3.6	29
75	Tunable narrowband optical parametric oscillator using a transversely chirped Bragg grating. Optics Letters, 2009, 34, 449.	3.3	29
76	Electrostatic control of the domain switching dynamics in congruent LiNbO3 via periodic proton-exchange. Applied Physics Letters, 2011, 98, .	3.3	29
77	Efficient narrow-linewidth volume-Bragg grating-locked Nd:fiber laser. Optics Express, 2007, 15, 11336.	3.4	28
78	Narrow linewidth 2ÂĨ¼m optical parametric oscillation in periodically poled LiNbO3 with volume Bragg grating outcoupler. Applied Physics B: Lasers and Optics, 2007, 86, 497-501.	2.2	28
79	High-power, single-frequency, continuous-wave optical parametric oscillator employing a variable reflectivity volume Bragg grating. Optics Express, 2014, 22, 29907.	3.4	28
80	Laser-induced fluorescence detection in capillary electrophoresis with blue light from a frequency-doubled diode laser. Analytical Chemistry, 1993, 65, 2766-2769.	6.5	26
81	Postfabrication changes and dependence on hydrogen concentration of the refractive index of protonâ€exchanged lithium tantalate waveguides. Journal of Applied Physics, 1994, 75, 717-727.	2.5	26
82	Noncollinear optical parametric oscillator with periodically poled KTP. Optics Communications, 2000, 173, 365-369.	2.1	26
83	Efficient skew-angle cladding-pumped tunable narrow-linewidth Yb-doped fiber laser. Optics Letters, 2007, 32, 3501.	3.3	26
84	Influence of pre-annealing on the thermal regeneration of fiber Bragg gratings in standard optical fibers. Optics Express, 2015, 23, 27520.	3.4	26
85	Periodic poling of Rb-doped KTiOPO_4 by coercive field engineering. Optics Express, 2016, 24, 14682.	3.4	26
86	Near- to mid-infrared picosecond optical parametric oscillator based on periodically poled RbTiOAsO_4. Optics Letters, 1998, 23, 503.	3.3	25
87	Simultaneous femtosecond-pulse compression and second-harmonic generation in aperiodically poled KTiOPO_4. Optics Letters, 1999, 24, 1071.	3.3	25
88	Quasi-three-level Nd:YAG laser under diode pumping directly into the emitting level. Optics Communications, 2006, 261, 109-113.	2.1	25
89	Quasi-two-level Yb:KYW laser with a volume Bragg grating. Optics Express, 2007, 15, 13930.	3.4	25
90	All-fiber cavity dumping. Optics Express, 2009, 17, 17596.	3.4	25

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91	Twin-beam optical parametric generation in Ï‡(2) nonlinear photonic crystals. Applied Physics Letters, 2011, 98, 161113.	3.3	25
92	Laser-written waveguides in KTP for broadband Type II second harmonic generation. Optics Express, 2012, 20, 22308.	3.4	25
93	Narrowband and tunable ring optical parametric oscillator with a volume Bragg grating. Optics Letters, 2007, 32, 3278.	3.3	24
94	All-dielectric KTiOPO_4 metasurfaces based on multipolar resonances in the terahertz region. Optics Express, 2017, 25, 24068.	3.4	23
95	Sumâ€frequency generation in segmented KTP waveguides. Applied Physics Letters, 1992, 60, 1064-1066.	3.3	22
96	Efficient femtosecond traveling-wave optical parametric amplification in periodically poled KTiOPO_4. Optics Letters, 1999, 24, 1874.	3.3	22
97	High-efficiency parametric oscillation and spectral control in the red spectral region with periodically poled KTiOPO_4. Optics Letters, 2001, 26, 710.	3.3	22
98	Laser performance of Yb:GdCa4O(BO3)3 compared to Yb:KGd(WO4)2 under diode-bar pumping. Laser Physics, 2007, 17, 1204-1208.	1.2	22
99	Luminescence properties of the Cu4I62â^' cluster. CrystEngComm, 2011, 13, 4729.	2.6	22
100	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
101	Temperature-tuned difference-frequency mixing in periodically poled KTiOPO 4. Applied Physics B: Lasers and Optics, 1998, 67, 675-677.	2.2	21
102	High-resolution domain imaging on the nonpolar y-face of periodically poled KTiOPO4 by means of atomic force microscopy. Applied Physics Letters, 2003, 83, 734-736.	3.3	20
103	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
104	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
105	Q-switching of an Erâ€"Yb:glass microchip laser using an acousto-optical modulator. Optics Communications, 2003, 217, 317-324.	2.1	19
106	Low-threshold femtosecond optical parametric oscillator based on chirped-pulse frequency conversion. Optics Letters, 2003, 28, 543.	3.3	19
107	Monolithic Bragg-locked Nd:GdVO4 laser. Optics Express, 2007, 15, 11589.	3.4	19
108	Soliton generation from an actively mode-locked fiber laser incorporating an electro-optic fiber modulator. Optics Express, 2012, 20, 2905.	3.4	19

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109	Waveguides in polycrystalline diamond for mid-IR sensing. Optical Materials Express, 2016, 6, 1286.	3.0	19
110	Characterisation of Bragg gratings in fibres with the heat-scan technique. Electronics Letters, 1995, 31, 665.	1.0	18
111	Three-dimensional characterization of the effective second-order nonlinearity in periodically poled crystals. Optics Letters, 2003, 28, 1555.	3.3	18
112	Sub-nanosecond, 1â€“10ÂkHz, low-threshold, non-critical OPOs based on periodically poled KTP crystal pumped at 1,064Ânm. Applied Physics B: Lasers and Optics, 2012, 109, 211-214.	2.2	18
113	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
114	Atmospheric CO₂ sensing using Scheimpflug-lidar based on a 157-Âµm fiber source. Optics Express, 2019, 27, 17348.	3.4	18
115	Unstable resonator optical parametric oscillator based on quasi-phase-matched RbTiOAsO_4. Applied Optics, 2001, 40, 5446.	2.1	17
116	Frequency converters from visible to mid-infrared with periodically poled RbTiOPO4. Applied Physics Letters, 2003, 83, 3090-3092.	3.3	17
117	Optimizing non-resonant frequency conversion in periodically poled media. Applied Physics B: Lasers and Optics, 2004, 79, 211-219.	2.2	17
118	Efficient doubling of femtosecond pulses in aperiodically and periodically poled KTP crystals. Optics Express, 2007, 15, 1155.	3.4	17
119	High-power continuous-wave frequency-doubling in KTiOAsO_4. Optics Express, 2013, 21, 30453.	3.4	17
120	Highly efficient continuous wave blue second-harmonic generation in fs-laser written periodically poled Rb:KTiOPO_4 waveguides. Optics Letters, 2014, 39, 1274.	3.3	17
121	Crystalline GaSb-core optical fibers with room-temperature photoluminescence. Optical Materials Express, 2018, 8, 1435.	3.0	17
122	Non-linear optical wavelength conversion in Ti:LiNbO3 waveguides. Thin Solid Films, 1986, 136, 29-36.	1.8	16
123	Portable Ultrafast Blue Light Sources Designed With Frequency Doubling in KTP and<tex>$hboxKNbO_3$</tex>. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 1268-1276.	2.9	16
124	CO₂ laser annealed SiGe core optical fibers with radial Ge concentration gradients. Optical Materials Express, 2020, 10, 926.	3.0	16
125	Singly resonant optical parametric oscillator in periodically poled KTiOPO_4 pumped by a Bessel beam. Optics Letters, 2000, 25, 969.	3.3	15
126	Simultaneous second-harmonic generation with two orthogonal polarization states in periodically poled KTP. Optics Letters, 2002, 27, 1628.	3.3	15

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127	Actively Q-switched all-fiber laser with an electrically controlled microstructured fiber. Optics Express, 2010, 18, 11052.	3.4	15
128	Quasi-phase matching waveguides on lithium niobate and KTP for nonlinear frequency conversion: A comparison. APL Photonics, 2021, 6, .	5.7	15
129	Optical parametric amplification in periodically poled KTiOPO_4 seeded by an Erâ€“Yb:glass microchip laser. Optics Letters, 2001, 26, 352.	3.3	14
130	High-peak power nanosecond optical parametric amplifier with periodically poled KTP. Optics Express, 2003, 11, 1297.	3.4	14
131	Broadband nondegenerate optical parametric amplification in the mid infrared with periodically poled KTiOPO_4. Optics Letters, 2005, 30, 2296.	3.3	14
132	Periodically poled KTiOAsO4 for highly efficient midinfrared optical parametric devices. Applied Physics Letters, 2009, 95, 191103.	3.3	14
133	Two-dimensional domain engineering in LiNbO_3 via a hybrid patterning technique. Optical Materials Express, 2011, 1, 365.	3.0	14
134	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
135	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
136	Efficient frequency conversion of a passively Q-switched Nd:YAG laser at 946 nm in periodically poled KTiOPO_4. Applied Optics, 2001, 40, 1979.	2.1	13
137	Periodic Poling of KTiOPO4: From Micrometer to Sub-Micrometer Domain Gratings. Ferroelectrics, 2006, 340, 27-47.	0.6	13
138	Tandem PPKTP and ZGP OPO for mid-infrared generation. , 2008, , .		13
139	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
140	Broadband infrared and THz transmitting silicon core optical fiber. Optical Materials Express, 2020, 10, 2491.	3.0	13
141	Ge-capped SiGe core optical fibers. Optical Materials Express, 2019, 9, 4301.	3.0	13
142	Efficient All-Diode-Pumped Double Stage Femtosecond Optical Parametric Chirped Pulse Amplification at 1-kHz with Periodically Poled KTiOPO4. Japanese Journal of Applied Physics, 2003, 42, L1327-L1329.	1.5	12
143	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
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	A KTiOPO4 nonlinear photonic crystal for blue second harmonic generation. Applied Physics Letters, 2009, 94, 081121.	3.3	12
146	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
147	Multistep quadratic cascading in broadband optical parametric generation. Optics Letters, 2012, 37, 1727.	3.3	12
148	Cascaded mode-locking of a spectrally controlled Yb:KYW laser. Applied Physics B: Lasers and Optics, 2014, 116, 493-499.	2.2	12
149	Supercontinuum generation and soliton self-compression in Ï‡⁽²⁾-structured KTiOPO₄. Optica, 2018, 5, 711.	9.3	12
150	Quasi-phase matched second harmonic generation in periodically poled Rb-doped KTiOPO₄ ridge waveguide. Optics Express, 2018, 26, 33142.	3.4	12
151	UV-written grating couplers on thin-film lithium niobate ridge waveguides. Optics Express, 2020, 28, 27839.	3.4	12
152	Stretching-tunable external-cavity laser locked by an elastic silicone grating. Optics Express, 2006, 14, 11982.	3.4	11
153	Mode spectrum of multi-longitudinal mode pumped near-degenerate OPOs with volume Bragg grating output couplers. Optics Express, 2009, 17, 17582.	3.4	11
154	A fiber optic system for detection and collection of micrometer-size particles. Optics Express, 2014, 22, 21480.	3.4	11
155	Infrared absorption in KTP isomorphs induced with blue picosecond pulses. Optical Materials Express, 2015, 5, 2951.	3.0	11
156	Widely tunable fiber-coupled single-frequency Er-Yb:Glass laser. Applied Optics, 2003, 42, 4327.	2.1	10
157	Generation of turquoise light by sum frequency mixing of a diode-pumped solid-state laser and a laser diode in periodically poled KTP. Optics Express, 2004, 12, 4935.	3.4	10
158	Optical parametric amplification of a gain-switched picosecond laser diode. Optics Express, 2005, 13, 6482.	3.4	10
159	Template-growth of periodically domain-structured KTiOPO_4 [Invited]. Optical Materials Express, 2011, 1, 185.	3.0	10
160	Studies of sub-millisecond domain dynamics in periodically poled Rb-doped KTiOPO_4, using online in situ second harmonic generation. Optics Express, 2015, 23, 20332.	3.4	10
161	Laser cladding of transparent fused silica glass using sub-Âµm powder. Optical Materials Express, 2021, 11, 3056.	3.0	10
162	Coherent phase transfer and pulse compression at 14â€‰â€‰Î¼m in a backward-wave OPO. Optics Letters, 2019, 44, 3066.	3.3	10

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163	Compact 492-nm light source based on sum-frequency mixing. Optics Express, 2005, 13, 2590.	3.4	9
164	Tunable Yb:KYW laser using volume Bragg grating in s-polarization. Applied Physics B: Lasers and Optics, 2008, 91, 85-88.	2.2	9
165	ÂµJ-level multi-cycle terahertz generation in a periodically poled Rb:KTP crystal. Optics Letters, 2021, 46, 741.	3.3	9
166	Linear electro-optical effect in silica fibers poled with ultraviolet lamp. Optics Express, 2019, 27, 14893.	3.4	9
167	Optical parametric amplification of a 1.54- mu m single-mode DFB laser in a Ti:LiNbO/sub 3/ waveguide. Journal of Lightwave Technology, 1993, 11, 1459-1469.	4.6	8
168	Noncollinear double-ring optical parametric oscillators with periodically poled KTiOPO4. Optics Express, 2004, 12, 5526.	3.4	8
169	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
170	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
171	High-energy picosecond OPO based on PPKTP. Laser Physics Letters, 2013, 10, 115404.	1.4	8
172	Short-Wave infrared atmospheric scheimpflug lidar. EPJ Web of Conferences, 2018, 176, 01012.	0.3	8
173	High resolution and sensitivity up-conversion mid-infrared photon-counting LIDAR. Applied Optics, 2020, 59, 2365.	1.8	8
174	157 Âµm fiber source for atmospheric CO2 continuous-wave differential absorption lidar. Optics Express, 2019, 27, 10304.	3.4	8
175	Spectral and spatial limiting in an idler-resonant PPKTP optical parametric oscillator. Optics Communications, 2005, 250, 207-211.	2.1	7
176	Highly efficient temporally stable narrow linewidth cryogenically cooled Yb-fiber laser. Optics Express, 2009, 17, 8433.	3.4	7
177	High-fidelity periodic domain structures in KTiOAsO_4 for the visible spectral range. Optical Materials Express, 2013, 3, 1444.	3.0	7
178	Intracavity interrogation of an array of fiber Bragg gratings. Optics Express, 2021, 29, 111.	3.4	7
179	Fabrication of a widely tunable fiber Bragg grating filter using fused deposition modeling 3D printing. Optical Materials Express, 2019, 9, 4409.	3.0	7
180	Room temperature photon-counting lidar at 3â€‰â€‰Âµm. Applied Optics, 2022, 61, 884.	1.8	7

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181	Drift of phasematching wavelength for quasi-phasematching LiTaO3 waveguides. Electronics Letters, 1995, 31, 750.	1.0	6
182	Single-mode near-infrared optical parametric oscillator amplifier based on periodically poled KTiOPO_4. Applied Optics, 2001, 40, 6659.	2.1	6
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