Patrick Georges

List of Publications by Year
in descending order

556 papers	11,566 citations	23567 58 h-index	53230 85 g-index
560 all docs	560 docs citations	560 times ranked	5801 citing authors

#	Article	IF	Citations
1	On thermal effects in solid-state lasers: The case of ytterbium-doped materials. Progress in Quantum Electronics, 2006, 30, 89-153.	7.0	316
2	Femtosecond laser excitation of the semiconductorâ€metal phase transition in VO2. Applied Physics Letters, 1994, 65, 1507-1509.	3.3	227
3	47-fs diode-pumped Yb^3+:CaGdAlO_4 laser. Optics Letters, 2006, 31, 119.	3.3	207
4	Detection of Single Photoluminescent Diamond Nanoparticles in Cells and Study of the Internalization Pathway. Small, 2008, 4, 2236-2239.	10.0	199
5	High-power diode-pumped Yb^3+:CaF_2 femtosecond laser. Optics Letters, 2004, 29, 2767.	3.3	176
6	Diode-pumped Yb:Sr_3Y(BO_3)_3 femtosecond laser. Optics Letters, 2002, 27, 197.	3.3	173
7	The Apollon 10ÂPW laser: experimental and theoretical investigation of the temporal characteristics. High Power Laser Science and Engineering, 2016, 4, .	4.6	156
8	Generation of 90-fs pulses from a mode-locked diode-pumped Yb^3+:Ca_4GdO(BO_3)_3 laser. Optics Letters, 2000, 25, 423.	3.3	141
9	On Yb:CaF_2 and Yb:SrF_2: review of spectroscopic and thermal properties and their impact on femtosecond and high power laser performance [Invited]. Optical Materials Express, 2011, 1, 489.	3.0	140
10	32-fs Kerr-lens mode-locked Yb:CaGdAlO_4 oscillator optically pumped by a bright fiber laser. Optics Letters, 2014, 39, 6001.	3.3	139
11	Diode-pumped Yb:GGG laser: comparison with Yb:YAG. Optical Materials, 2003, 22, 99-106.	3.6	137
12	Efficient laser action of Yb:LSO and Yb:YSO oxyorthosilicates crystals under high-power diode-pumping. Applied Physics B: Lasers and Optics, 2005, 80, 171-176.	2.2	136
13	High-power tunable diode-pumped Yb^3+:CaF_2 laser. Optics Letters, 2004, 29, 1879.	3.3	133
14	Design and current progress of the ApollonÂ10ÂPWÂproject. High Power Laser Science and Engineering, 2015, 3, .	4.6	132
15	Single-shot measurement of a 52-fs pulse. Applied Optics, 1987, 26, 4528.	2.1	130
16	Perylene- and pyrromethene-doped xerogel for a pulsed laser. Applied Optics, 1995, 34, 428.	2.1	128
17	Efficient diode-pumped Yb^3+:Y_2SiO_5 and Yb^3+:Lu_2SiO_5 high-power femtosecond laser operation. Optics Letters, 2006, 31, 1555.	3.3	122
18	Efficient tunable solid-state laser near 630 nm using sulforhodamine 640-doped silica gel. Optics Letters, 1989, 14, 785.	3.3	117

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19	Toward millions of laser pulses with pyrromethene- and perylene-doped xerogels. Applied Optics, 1997, 36, 6760.	2.1	116
20	Thermal lensing in diode-pumped ytterbium Lasers-Part I: theoretical analysis and wavefront measurements. IEEE Journal of Quantum Electronics, 2004, 40, 1217-1234.	1.9	106
21	491 nm generation by sum-frequency mixing of diode pumped neodymium lasers. Optics Express, 2005, 13, 5653.	3.4	105
22	Coherent beam combining of two femtosecond fiber chirped-pulse amplifiers. Optics Letters, 2011, 36, 621.	3.3	102
23	Microjoule femtosecond fiber laser at 16 Î¼m for corneal surgery applications. Optics Letters, 2009, 34, 1991.	3.3	101
24	Dual-color deep-tissue three-photon microscopy with a multiband infrared laser. Light: Science and Applications, 2018, 7, 12.	16.6	91
25	Yb:YAG single crystal fiber power amplifier for femtosecond sources. Optics Letters, 2013, 38, 109.	3.3	90
26	Nonlinear temporal compression in multipass cells: theory. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1340.	2.1	90
27	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
28	Continuous-wave and femtosecond laser operation of Yb:CaGdAlO_4 under high-power diode pumping. Optics Letters, 2007, 32, 1962.	3.3	87
29	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
30	New laser crystals for the generation of ultrashort pulses. Comptes Rendus Physique, 2007, 8, 153-164.	0.9	85
31	Nonlinear pulse compression based on a gas-filled multipass cell. Optics Letters, 2018, 43, 2252.	3.3	83
32	Reverse saturable absorption in solid xerogel matrices. Applied Physics Letters, 1993, 62, 1721-1723.	3.3	82
33	Femtosecond fiber chirped- and divided-pulse amplification system. Optics Letters, 2013, 38, 106.	3.3	82
34	Spectroscopic properties and laser performances of Yb:YCOB and potential of the Yb:LaCOB material. Optical Materials, 2001, 16, 181-188.	3.6	81
35	Heterogeneity of Diffusion Inside Microbial Biofilms Determined by Fluorescence Correlation Spectroscopy Under Two-photon ExcitationÂ¶. Photochemistry and Photobiology, 2002, 75, 570.	2.5	81
36	Stretcher-free high energy nonlinear amplification of femtosecond pulses in rod-type fibers. Optics Letters, 2008, 33, 107.	3.3	80

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37	Femtosecond Yb:CaGdAlO_4 thin-disk oscillator. Optics Letters, 2012, 37, 3984.	3.3	78
38	250ÂW single-crystal fiber Yb:YAG laser. Optics Letters, 2012, 37, 2898.	3.3	78
39	High-brightness fiber laser-pumped 68â€‰â€‰fsâ€“23â€‰â€‰W Kerr-lens mode-locked Yb:CaF_2 oscillator. Optics Letters, 2013, 38, 4008.	3.3	73
40	Apatite-structure crystal, Yb^3+:SrY_4(SiO_4)_3O, for the development of diode-pumped femtosecond lasers. Optics Letters, 2002, 27, 1914.	3.3	72
41	Highly efficient Nd:YVO_4 laser by direct in-band diode pumping at 914 nm. Optics Letters, 2009, 34, 2159.	3.3	72
42	Theoretical and experimental investigations of a diode-pumped quasi-three-level laser: the Yb/sup 3+/-doped Ca/sub 4/GdO(BO/sub 3/)/sub 3/ (Yb:GdCOB) laser. IEEE Journal of Quantum Electronics, 2000, 36, 598-606.	1.9	71
43	Visible supercontinuum generation controlled by intermodal four-wave mixing in microstructured fiber. Optics Letters, 2007, 32, 2173.	3.3	71
44	Femtosecond laser excitation dynamics of the semiconductorâ€•metal phase transition in VO2. Journal of Applied Physics, 1996, 79, 2404-2408.	2.5	70
45	Simultaneous dual-band ultra-high resolution full-field optical coherence tomography. Optics Express, 2008, 16, 19434.	3.4	70
46	High-power laser with Nd:YAG single-crystal fiber grown by the micro-pulling-down technique. Optics Letters, 2006, 31, 3468.	3.3	67
47	Thermo-optic characterization of Yb:CaGdAlO_4 laser crystal. Optical Materials Express, 2014, 4, 2241.	3.0	66
48	Generation of 63 fs 41 MW peak power pulses from a parabolic fiber amplifier operated beyond the gain bandwidth limit. Optics Letters, 2007, 32, 2520.	3.3	65
49	Thermal behaviour of ytterbium-doped fluorite crystals under high power pumping. Optics Express, 2008, 16, 10098.	3.4	65
50	High power laser operation with crystal fibers. Applied Physics B: Lasers and Optics, 2009, 97, 263-273.	2.2	65
51	Ultra-short-pulsed and highly-efficient diode-pumped Yb:SYS mode-locked oscillators. Optics Express, 2004, 12, 5005.	3.4	64
52	Diode-pumped 99 fs Yb:CaF_2 oscillator. Optics Letters, 2009, 34, 1474.	3.3	64
53	High-power Yb:YAG single-crystal fiber amplifiers for femtosecond lasers in cylindrical polarization. Optics Letters, 2015, 40, 2517.	3.3	64
54	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

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55	Frequency doubling of an efficient continuous wave single-mode Yb-doped fiber laser at 978 nm in a periodically-poled MgO:LiNbO3 waveguide. Optics Express, 2005, 13, 6974.	3.4	63
56	Temperature dependence of the emission cross section of Nd:YVO_4 around 1064Ânm and consequences on laser operation. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 972.	2.1	63
57	Thermal lensing in diode-pumped ytterbium Lasers-Part II: evaluation of quantum efficiencies and thermo-optic coefficients. IEEE Journal of Quantum Electronics, 2004, 40, 1235-1243.	1.9	61
58	Multiwatt, tunable, diode-pumped CW Yb:GdCOB laser. Applied Physics B: Lasers and Optics, 2001, 72, 389-393.	2.2	60
59	Efficient, tunable, zero-line diode-pumped, continuous-wave Yb^3+:Ca_4LnO(BO_3)_3 (Ln = Gd, Y) lasers at room temperature and application to miniature lasers. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 18.	2.1	59
60	Design and Simulation of Next-Generation High-Power, High-Brightness Laser Diodes. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 993-1008.	2.9	56
61	Ultrashort pulse laser surgery of the cornea and the sclera. Journal of Optics (United Kingdom), 2010, 12, 084002.	2.2	56
62	Nd:GdVO4 as a three-level laser at 879 nm. Optics Letters, 2006, 31, 2731.	3.3	54
63	Laser performance of diode-pumped Yb:CaF_2 optical ceramics synthesized using an energy-efficient process. Optica, 2015, 2, 288.	9.3	53
64	Coherent beam combining with an ultrafast multicore Yb-doped fiber amplifier. Optics Express, 2015, 23, 5406.	3.4	51
65	34 W continuous wave Nd:YAG single crystal fiber laser emitting at 946 nm. Applied Physics B: Lasers and Optics, 2011, 104, 1-4.	2.2	50
66	Passively Q-switched diode-pumped Er:YAG solid-state laser. Optics Letters, 2013, 38, 938.	3.3	50
67	Single-shot characterization of ultrashort light pulses. Journal Physics D: Applied Physics, 1991, 24, 1225-1233.	2.8	49
68	Overview of the laser and non-linear optical properties of calcium-gadolinium-oxo-borate Ca4GdO(BO3)3. Journal of Alloys and Compounds, 2000, 303-304, 401-408.	5.5	49
69	Passively Q-switched diode-pumped Cr4+:YAG/Nd3+:GdVO4 monolithic microchip laser. Optics Communications, 2006, 259, 816-819.	2.1	49
70	Light-emitting diode pumped luminescent concentrators: a new opportunity for low-cost solid-state lasers. Optica, 2016, 3, 465.	9.3	49
71	Supercontinuum-seeded few-cycle mid-infrared OPCPA system. Optics Express, 2016, 24, 26494.	3.4	49
72	High-energy few-cycle Yb-doped fiber amplifier source based on a single nonlinear compression stage. Optics Express, 2017, 25, 7530.	3.4	49

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73	Fiber optical parametric chirped-pulse amplification in the femtosecond regime. Optics Express, 2006, 14, 2783.	3.4	48
74	Thermal conductivity measurements of laser crystals by infrared thermography. Application to Nd:doped crystals. Optics Express, 2008, 16, 8995.	3.4	48
75	High-contrast 10â€‰â€‰fs OPCPA-based front end for multi-PW laser chains. Optics Letters, 2017, 42, 3530.	3.3	47
76	Efficient and tunable continuous-wave diode-pumped Yb^3+:Ca_4GdO(BO_3)_3 laser. Applied Optics, 1999, 38, 976.	2.1	46
77	Short-pulse and high-repetition-rate diode-pumped Yb:CaF_2 regenerative amplifier. Optics Letters, 2010, 35, 2415.	3.3	46
78	Characteristics of laser operation at 1064 nm in Nd:YVO_4 under diode pumping at 808 and 914 nm. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 52.	2.1	46
79	Complete measurement of fiber modal content by wavefront analysis. Optics Express, 2012, 20, 4074.	3.4	46
80	Nd:GdCOB: overview of its infrared, green and blue laser performances. Optical Materials, 2001, 16, 213-220.	3.6	44
81	Thermal lensing measurements in diode-pumped Yb-doped GdCOB, YCOB, YSO, YAG and KGW. Optical Materials, 2003, 22, 129-137.	3.6	44
82	Passively mode-locked diode-pumped Nd:YVO_4 oscillator operating at an ultralow repetition rate. Optics Letters, 2003, 28, 1838.	3.3	42
83	Direct and absolute temperature mapping and heat transfer measurements in diode-end-pumped Yb:YAG. Applied Physics B: Lasers and Optics, 2004, 79, 221-224.	2.2	42
84	Femtosecond laser Fourier transform absorption spectroscopy. Optics Letters, 2007, 32, 1677.	3.3	42
85	Narrow-line coherently combined tapered laser diodes in a Talbot external cavity with a volume Bragg grating. Applied Physics Letters, 2008, 93, 211102.	3.3	42
86	High-power two-cycle ultrafast source based on hybrid nonlinear compression. Optics Express, 2019, 27, 1958.	3.4	42
87	High energy, single-mode, narrow-linewidth fiber laser source using stimulated Brillouin scattering beam cleanup. Optics Express, 2007, 15, 6464.	3.4	41
88	Highly efficient, high-power, broadly tunable, cryogenically cooled and diode-pumped Yb:CaF_2. Optics Letters, 2010, 35, 3757.	3.3	41
89	Nd:YAG single-crystal fiber as high peak power amplifier of pulses below one nanosecond. Optics Express, 2011, 19, 11667.	3.4	41
90	Imaging in diffuse media with ultrafast degenerate optical parametric amplification. Optics Letters, 1995, 20, 231.	3.3	40

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91	Single-frequency cw vertical external cavity surface emitting semiconductor laser at 1003Ânm and 501Ânm by intracavity frequency doubling. Applied Physics B: Lasers and Optics, 2007, 86, 503-510.	2.2	40
92	Low-repetition-rate femtosecond operation in extended-cavity mode-locked Yb:CALGO laser. Optics Letters, 2009, 34, 196.	3.3	40
93	Extreme light infrastructure: laser architecture and major challenges. Proceedings of SPIE, 2010, , .	0.8	40
94	High-efficiency multipass Ti:sapphire amplifiers for a continuous-wave single-mode laser. Optics Letters, 1991, 16, 144.	3.3	39
95	All-optical gel memory. Optics Letters, 1992, 17, 218.	3.3	39
96	Numerical and experimental study of gain narrowing in ytterbium-based regenerative amplifiers. IEEE Journal of Quantum Electronics, 2005, 41, 415-425.	1.9	39
97	Theoretical and experimental investigations of small-signal gain for a diode-pumped Q-switched Cr:LiSAF laser. IEEE Journal of Quantum Electronics, 1997, 33, 269-278.	1.9	38
98	Passive coherent beam combining of two femtosecond fiber chirped-pulse amplifiers. Optics Letters, 2011, 36, 4023.	3.3	38
99	High peak-power stretcher-free femtosecond fiber amplifier using passive spatio-temporal coherent combining. Optics Express, 2012, 20, 21627.	3.4	38
100	Magic mode switching in Yb:CaGdAlO_4 laser under high pump power. Optics Letters, 2013, 38, 4138.	3.3	38
101	Nonlinear compression of high energy fiber amplifier pulses in air-filled hypocycloid-core Kagome fiber. Optics Express, 2015, 23, 7416.	3.4	38
102	Motion artifact suppression in full-field optical coherence tomography. Applied Optics, 2010, 49, 1480.	2.1	37
103	Sub-100-fs Yb:CALGO nonlinear regenerative amplifier. Optics Letters, 2013, 38, 5180.	3.3	37
104	Diode-pumped self-frequency-doubling Nd:GdCa_4O(BO_3)_3 lasers: toward green microchip lasers. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1526.	2.1	36
105	First diode-pumped Yb-doped solid-state laser continuously tunable between 1000 and 1010ï¿½nm. Applied Physics B: Lasers and Optics, 2004, 78, 13-18.	2.2	36
106	Fluorescence lifetime imaging with a low-repetition-rate passively mode-locked diode-pumped Nd:YVO_4 oscillator. Optics Letters, 2005, 30, 168.	3.3	36
107	Phase and amplitude control of a multimode LMA fiber beam by use of digital holography. Optics Express, 2009, 17, 13000.	3.4	36
108	Yb:YAG single-crystal fiber amplifiers for picosecond lasers using the divided pulse amplification technique. Optics Letters, 2016, 41, 1628.	3.3	36

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109	1064 nm Nd:YVO_4 laser intracavity pumped at 912 nm and sum-frequency mixing for an emission at 491 nm. Optics Letters, 2008, 33, 1632.	3.3	35
110	Yb:CaGdAlO_4 thin-disk laser. Optics Letters, 2011, 36, 4134.	3.3	35
111	All-solid-state continuous-wave tunable blue-light source by intracavity doubling of a diode-pumped Cr:LiSAF laser. Optics Letters, 1995, 20, 1274.	3.3	34
112	Efficient cross polarized wave generation for compact, energy-scalable, ultrashort laser sources. Optics Express, 2011, 19, 93.	3.4	34
113	Efficient cw operation of diode-pumped Nd:YLF lasers at 1312.0 and 1322.6 nm for a silver atom optical clock. Optics Communications, 2003, 217, 357-362.	2.1	33
114	Probing interface magnetism in the FeMn/NiFe exchange bias system using magnetic second-harmonic generation. Europhysics Letters, 2003, 63, 819-825.	2.0	33
115	Energy scaling of a nonlinear compression setup using passive coherent combining. Optics Letters, 2013, 38, 4437.	3.3	33
116	Revisiting of LED pumped bulk laser: first demonstration of Nd:YVO_4 LED pumped laser. Optics Letters, 2014, 39, 6731.	3.3	33
117	High-repetition-rate 300-ps pulsed ultraviolet source with a passively Q-switched microchip laser and a multipass amplifier. Optics Letters, 1999, 24, 499.	3.3	32
118	Fluorescence-lifetime imaging with a multifocal two-photon microscope. Optics Letters, 2004, 29, 2884.	3.3	32
119	Direct amplification of ultrashort pulses in Î¼-pulling-down Yb:YAG single crystal fibers. Optics Letters, 2011, 36, 748.	3.3	32
120	Apollon-10P: Status and implementation. AIP Conference Proceedings, 2012, , .	0.4	32
121	Passive coherent combination of two ultrafast rod type fiber chirped pulse amplifiers. Optics Letters, 2012, 37, 1460.	3.3	32
122	LED-pumped alexandrite laser oscillator and amplifier. Optics Letters, 2017, 42, 4191.	3.3	32
123	Organic-inorganic solids by sol-gel processing: optical applications. Journal of Optics, 1998, 7, 169-177.	0.5	31
124	Observation of magneto-optical second-harmonic generation with surface plasmon excitation in ultrathin Au/Co/Au films. Applied Physics Letters, 1999, 75, 190-192.	3.3	31
125	Diode-pumped Nd:YAG laser emitting at 899 nm and below. Optics Letters, 2007, 32, 799.	3.3	31
126	Yb3+ doped (Ca,Sr,Ba)F2 for high power laser applications. Laser Physics, 2010, 20, 533-536.	1.2	31

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127	Light-emitting diodes: a new paradigm for Ti:sapphire pumping. Optica, 2018, 5, 1236.	9.3	31
128	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
129	New Materials for Short-Pulse Amplifiers. IEEE Photonics Journal, 2011, 3, 268-273.	2.0	29
130	Low-Noise Dual-Frequency Laser for Compact Cs Atomic Clocks. Journal of Lightwave Technology, 2014, 32, 3817-3823.	4.6	29
131	Impregnated SiO2 gels used as dye laser matrix hosts. Journal of Non-Crystalline Solids, 1992, 147-148, 636-640.	3.1	28
132	High-power diode-pumped cryogenically cooled Yb:CaF_2 laser with extremely low quantum defect. Optics Letters, 2011, 36, 1602.	3.3	28
133	Hybrid master oscillator power amplifier high-power narrow-linewidth nanosecond laser source at 257Ânm. Optics Letters, 2013, 38, 995.	3.3	28
134	Yb:CaF_2 thin-disk laser. Optics Express, 2014, 22, 1524.	3.4	28
135	Performances of Cr:LiSrAlF_6 and Cr:LiSrGaF_6 for continuous-wave diode-pumped Q-switched operation. Optics Letters, 1997, 22, 387.	3.3	27
136	High-power diode-pumped Yb:GdCOB laser: from continuous-wave to femtosecond regime. Optical Materials, 2002, 19, 73-80.	3.6	27
137	High-energy chirped- and divided-pulse Sagnac femtosecond fiber amplifier. Optics Letters, 2015, 40, 89.	3.3	27
138	Nonlinear Optics in Multipass Cells. Laser and Photonics Reviews, 2021, 15, 2100220.	8.7	27
139	Generation of 0.6 Î¼J pulses of 16 fs duration through highâ€repetition rate amplification of selfâ€phase modulated pulses. Applied Physics Letters, 1988, 53, 823-825.	3.3	26
140	Perylene, pyrromethene and grafted rhodamine-doped xerogels for tunable solid state laser. , 1994, , .		26
141	A new 3D multipass amplifier based on Nd:YAG or Nd:YVO 4 crystals. Applied Physics B: Lasers and Optics, 2002, 75, 481-485.	2.2	26
142	Pulse-compression down to 20 fs using a photonic crystal fiber seeded by a diode-pumped Yb:SYS laser at 1070 nm. Optics Express, 2004, 12, 3383.	3.4	26
143	Third-order spectral phase compensation in parabolic pulse compression. Optics Express, 2007, 15, 9372.	3.4	26
144	Energy-scalable temporal cleaning device for femtosecond laser pulses based on cross-polarized wave generation. Review of Scientific Instruments, 2013, 84, 043106.	1.3	26

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145	Laser demonstration with highly doped Yb:Gd_2O_3 and Yb:Y_2O_3 crystals grown by an original flux method. Optics Letters, 2013, 38, 4146.	3.3	26
146	Laser mode manipulation by intracavity dynamic holography: Application to mode selection. Applied Physics B: Lasers and Optics, 1999, 69, 155-157.	2.2	25
147	Numerical modeling of a continuous-wave Yb-doped bulk crystal laser emitting on a three-level laser transition near 980 nm. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 572.	2.1	25
148	Mode-locked operation of a diode-pumped femtosecond Yb:SrF_2 laser. Optics Letters, 2009, 34, 2354.	3.3	25
149	Coherent combination of ultrafast fiber amplifiers. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 062004.	1.5	25
150	Self-compression in a multipass cell. Optics Letters, 2018, 43, 5643.	3.3	25
151	High-repetition-rate eyesafe intracavity optical parametric oscillator. Applied Physics B: Lasers and Optics, 1998, 67, 181-183.	2.2	24
152	Passive coherent beam combining of quantum-cascade lasers with a Dammann grating. Optics Letters, 2011, 36, 3810.	3.3	24
153	High-fidelity front-end for high-power, high temporal quality few-cycle lasers. Applied Physics B: Lasers and Optics, 2011, 102, 769-774.	2.2	24
154	Amplification of cylindrically polarized laser beams in single crystal fiber amplifiers. Optics Express, 2013, 21, 11376.	3.4	24
155	Design of a high gain single stage and single pass Nd:YVO_4 passive picosecond amplifier. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2339.	2.1	23
156	Time-resolved saturated absorption recovery in malachite green-doped xerogel. Chemical Physics Letters, 1991, 176, 495-498.	2.6	22
157	Improvement of the spatial beam quality of laser sources with an intracavity Bragg grating. Optics Letters, 2003, 28, 242.	3.3	22
158	Directly diode-pumped Yb^3+:SrY_4(SiO_4)_3O regenerative amplifier. Optics Letters, 2003, 28, 2195.	3.3	22
159	Diode-pumped continuous-wave and femtosecond laser operations of a heterocomposite crystal Yb^3+:SrY_4(SiO_4)_3O?Y_2Al_5O_12. Optics Letters, 2005, 30, 857.	3.3	22
160	Diode-pumped passively mode-locked Nd:YVO4 laser at 914 nm. Optics Letters, 2006, 31, 214.	3.3	22
161	Time-gated total internal reflection fluorescence microscopy with a supercontinuum excitation source. Applied Optics, 2009, 48, 553.	2.1	22
162	Pure and Yb3+ doped fluorites (Ca, Sr, Ba)F2: A renewal for the future high intensity laser chains. Journal of Luminescence, 2013, 133, 276-281.	3.1	22

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163	3ÂW, 300 Î¼J, 25Âns pulsed 473Ânm blue laser based on actively Q-switched Nd:YAG single-crystal fiber oscillator at 946Ânm. Optics Letters, 2013, 38, 3013.	3.3	22
164	Enhanced extreme ultraviolet high-harmonic generation from chromium-doped magnesium oxide. Applied Physics Letters, 2021, 118, .	3.3	22
165	Multipass cells: 1D numerical model and investigation of spatio-spectral couplings at high nonlinearity. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 993.	2.1	22
166	Quasi-continuous-wave and actively mode-locked diode-pumped Cr^3+:LiSrAlF_6 laser. Optics Letters, 1993, 18, 1730.	3.3	21
167	Self-starting self-mode-locked femtosecond diode-pumped Cr:LiSAF laser. Optics Letters, 1995, 20, 1874.	3.3	21
168	Laser crystals for the production of ultra-short laser pulses. Annales De Chimie: Science Des Materiaux, 2003, 28, 47-72.	0.4	21
169	Blue-green single-frequency laser based on intracavity frequency doubling of a diode-pumped Ytterbium-doped laser. Optics Express, 2005, 13, 2345.	3.4	21
170	Diode-pumped laser with Yb:YAG single-crystal fiber grown byÂtheÂmicro-pulling down technique. Applied Physics B: Lasers and Optics, 2009, 94, 203-207.	2.2	21
171	Yb-doped Lu3Al5O12 fibers single crystals grown under stationary stable state for laser application. Journal of Crystal Growth, 2009, 312, 125-130.	1.5	21
172	Nd:YAG laser diode-pumped directly into the emitting level at 938 nm. Optics Express, 2009, 17, 10091.	3.4	21
173	Numerical and Experimental Analysis of Nonlinear Regenerative Amplifiers Overcoming the Gain Bandwidth Limitation. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 212-219.	2.9	21
174	Title is missing!. Journal of Fluorescence, 2000, 10, 413-419.	2.5	20
175	Linear and non-linear magneto-optical studies of Pt/Co/Pt thin films. Journal of Physics Condensed Matter, 2001, 13, 9867-9878.	1.8	20
176	Diffraction-limited polarized emission from a multimode ytterbium fiber amplifier after a nonlinear beam converter. Optics Letters, 2004, 29, 989.	3.3	20
177	Broadband high-energy diode-pumped Yb:KYW multipass amplifier. Optics Letters, 2011, 36, 3816.	3.3	20
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