

Patrick Georges

List of Publications by Year in descending order

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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	Music information visualization and classical composers discovery: an application of network graphs, multidimensional scaling, and support vector machines. <i>Scientometrics</i> , 2022, 127, 2277-2311.	3.0	3
2	Light Extraction and Brightness Enhancement of Luminescent Rectangular Slabs. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	2
3	LED-pumped Cr:LiSAF laser system operating at 100â€…Hz based on a multipass amplifier. <i>Optics Letters</i> , 2022, 47, 3543.	3.3	1
4	Harnessing subcellular-resolved organ distribution of cationic copolymer-functionalized fluorescent nanodiamonds for optimal delivery of active siRNA to a xenografted tumor in mice. <i>Nanoscale</i> , 2021, 13, 9280-9292.	5.6	13
5	Nonlinear beam matching to gas-filled multipass cells. <i>OSA Continuum</i> , 2021, 4, 732.	1.8	10
6	3D luminescent concentrators. <i>Optics Express</i> , 2021, 29, 6915.	3.4	7
7	Generation of optically synchronized pumpâ€…signal beams for ultrafast OPCPA via the optical Kerr effect. <i>Optics Letters</i> , 2021, 46, 2035.	3.3	1
8	Simple carrier-envelope phase control and stabilization scheme for difference frequency generation-based systems. <i>Optics Express</i> , 2021, 29, 16261.	3.4	4
9	LED-pumped femtosecond Cr:LiSAF regenerative amplifier system. <i>Optics Letters</i> , 2021, 46, 2421.	3.3	6
10	Enhanced extreme ultraviolet high-harmonic generation from chromium-doped magnesium oxide. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	22
11	Efficient and high-throughput ablation of platinum using high-repetition rate radially and azimuthally polarized sub-picosecond laser pulses. <i>Optics Express</i> , 2021, 29, 19551.	3.4	2
12	Raman conversion in a multipass cell. , 2021, , .		0
13	100 fs LED-pumped Cr:LiSAF regenerative amplifier. , 2021, , .		0
14	Raman wavelength conversion in a multipass cell. <i>Optics Letters</i> , 2021, 46, 3380.	3.3	9
15	Light recycling in LED-pumped Ce:YAG luminescent concentrators. <i>Optics Express</i> , 2021, 29, 25302.	3.4	5
16	Nonlinear Optics in Multipass Cells. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100220.	8.7	27
17	Incoherent light source exceeding the brightness of 18 suns using light recycling in LED-pumped luminescent concentrators. , 2021, , .		0
18	Low-index quantum-barrier single-pass tapered semiconductor optical amplifiers for efficient coherent beam combining. <i>Semiconductor Science and Technology</i> , 2020, 35, 065018.	2.0	3

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19	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
20	Hybrid pulse propagation model and quasi-phase-matched four-wave mixing in multipass cells. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2982.	2.1	10
21	Comparison of multi-pass and regenerative strategies for energetic high-gain amplifiers based on Yb:CaF ₂ . Optics Letters, 2020, 45, 4408.	3.3	4
22	Hybrid master oscillator power amplifier single-frequency, nanosecond, multi-mJ, 5 kHz at 1030 nm. , 2020, , .		1
23	High repetition rate CEP-stable Yb-doped fiber amplifier. , 2020, , .		0
24	Spectral compression in a multipass cell. Optics Express, 2020, 28, 21571.	3.4	8
25	Visualizing music similarity: clustering and mapping 500 classical music composers. Scientometrics, 2019, 120, 975-1003.	3.0	6
26	High Efficiency, High Energy Few-Cycle Driver at 1-1¼m. , 2019, , .		0
27	CEP-Stable 100 kHz Nonlinearly Compressed YDFA Source for HHG. , 2019, , .		0
28	Coherent beam combining of tapered amplifiers under QCW regime. , 2019, , .		0
29	Thermal Effects in a Single-Frequency Optical Parametric Oscillator Pumped by a Master Oscillator Fiber Amplifier Laser. , 2019, , .		0
30	Soliton Compression in a Multipass Cell. , 2019, , .		1
31	LED Pumped Transition Metal Lasers. , 2019, , .		0
32	Compact module for high power coherent beam combining of tapered amplifiers. , 2019, , .		0
33	Coherent combining of high brightness tapered amplifiers for efficient non-linear conversion. Optics Express, 2019, 27, 928.	3.4	16
34	High-power two-cycle ultrafast source based on hybrid nonlinear compression. Optics Express, 2019, 27, 1958.	3.4	42
35	Enhancing brightness of Lambertian light sources with luminescent concentrators: the light extraction issue. Optics Express, 2019, 27, 11830.	3.4	9
36	Tunable UV source based on an LED-pumped cavity-dumped Cr:LiSAF laser. Optics Express, 2019, 27, 23446.	3.4	7

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37	Coherent beam combining of high power quasi continuous wave tapered amplifiers. Optics Express, 2019, 27, 27891.	3.4	12
38	CEP-stable high-energy ytterbium-doped fiber amplifier. Optics Letters, 2019, 44, 3909.	3.3	13
39	Compact, high-efficiency, ultrafast 2-cycles sources at 1030nm. , 2019, , .		0
40	High-efficiency nonlinear compression using a gas-filled multipass cell. , 2019, , .		0
41	Recent progress in brightness scaling by coherent beam combining of tapered amplifiers for efficient high power frequency doubling. , 2019, , .		1
42	Coherent beam combining architectures for high-power laser diodes. , 2019, , 37-87.		0
43	Thermally-induced-anisotropy issues in oriented cubic laser crystals, the cryogenically cooled Yb:CaF2 case. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	5
44	Spatio-spectral structures in high harmonic generation driven by tightly focused high repetition rate lasers. Journal of the Optical Society of America B: Optical Physics, 2018, 35, A6.	2.1	12
45	LED-pumped passively Q-switched Cr:LiSAF laser. Optics Letters, 2018, 43, 4489.	3.3	10
46	Dual-color deep-tissue three-photon microscopy with a multiband infrared laser. Light: Science and Applications, 2018, 7, 12.	16.6	91
47	New LED-based high-brightness incoherent light source in the SWIR. Optics Express, 2018, 26, 9353.	3.4	7
48	Nonlinear pulse compression based on a gas-filled multipass cell. Optics Letters, 2018, 43, 2252.	3.3	83
49	High Power Ultrashort Amplifiers Based on Yb Doped Single Crystal Fibers. , 2018, , .		1
50	Coherent combining of high brightness tapered lasers in master oscillator power amplifier configuration. , 2018, , .		1
51	Simulation and experimental investigation of beam distortions in end-pumped laser rod amplifiers. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 3004.	2.1	15
52	Self-compression in a multipass cell. Optics Letters, 2018, 43, 5643.	3.3	25
53	Light-emitting diodes: a new paradigm for Ti:sapphire pumping. Optica, 2018, 5, 1236.	9.3	31
54	LED-pumping of solid state lasers. , 2018, , .		0

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55	LED-pumped Alexandrite laser oscillator and amplifier. , 2018, , .		0
56	High power mid-IR OPCPA system pumped by a femtosecond Yb-doped fiber amplifier. , 2017, , .		0
57	Coherent beam combining architectures for high power tapered laser arrays. , 2017, , .		10
58	High-power single-stage single-crystal Yb:YAG fiber amplifier for radially polarized ultrashort laser pulses. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	8
59	High-radiance light sources with LED-pumped luminescent concentrators applied to pump Nd:YAG passively Q-switched laser. Optics and Laser Technology, 2017, 96, 7-12.	4.6	17
60	Design update and recent results of the Apollon 10 PW facility. Proceedings of SPIE, 2017, , .	0.8	12
61	Western classical music development: a statistical analysis of composers similarity, differentiation and evolution. Scientometrics, 2017, 112, 21-53.	3.0	9
62	Generation of few cycle pulses from a bandwidth-optimized high energy Yb-doped fiber laser source. , 2017, , .		0
63	Thermal anisotropy in [110] and [111] oriented cubic crystals for laser application. , 2017, , .		0
64	Coherent beam combining of high-power tapered amplifiers. , 2017, , .		0
65	Coherent combining architectures for high-brightness laser diodes. , 2017, , .		3
66	High-energy few-cycle Yb-doped fiber amplifier source based on a single nonlinear compression stage. Optics Express, 2017, 25, 7530.	3.4	49
67	Nonlinear temporal compression in multipass cells: theory. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1340.	2.1	90
68	Alexandrite laser LED-pumped via Ce-doped luminescent concentrators. , 2017, , .		1
69	High-contrast 10 ¹⁰ fs OPCPA-based front end for multi-PW laser chains. Optics Letters, 2017, 42, 3530.	3.3	47
70	LED-pumped alexandrite laser oscillator and amplifier. Optics Letters, 2017, 42, 4191.	3.3	32
71	LED-pumped Alexandrite laser oscillator and amplifier. , 2017, , .		1
72	New scheme for pumping solid-state lasers based on LED-pumped luminescent concentrators. , 2016, , .		0

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73	Coherent combining efficiency in strongly saturated divided-pulse amplification systems. Optics Express, 2016, 24, 25329.	3.4	6
74	High energy pulsewidth tunable CPA free picosecond source. Proceedings of SPIE, 2016, , .	0.8	0
75	Coherent combination of ultrafast fiber amplifiers. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 062004.	1.5	25
76	Yb:YAG single-crystal fiber amplifiers for picosecond lasers using the divided pulse amplification technique. Optics Letters, 2016, 41, 1628.	3.3	36
77	Simple Yb:YAG femtosecond booster amplifier using divided-pulse amplification. Optics Express, 2016, 24, 9896.	3.4	15
78	Light-emitting diode pumped luminescent concentrators: a new opportunity for low-cost solid-state lasers. Optica, 2016, 3, 465.	9.3	49
79	Contradiction within wave optics and its solution within a particle picture: comment. Optics Express, 2016, 24, 2106.	3.4	1
80	Supercontinuum-seeded few-cycle mid-infrared OPCPA system. Optics Express, 2016, 24, 26494.	3.4	49
81	The Apollon 10ÂPW laser: experimental and theoretical investigation of the temporal characteristics. High Power Laser Science and Engineering, 2016, 4, .	4.6	156
82	High-power operation of coherently coupled tapered laser diodes in an external cavity. , 2016, , .		2
83	10Î¼j, ultrashort sub-100 fs FCPA synthesizer. Proceedings of SPIE, 2016, , .	0.8	1
84	Rear-side resonator architecture for the passive coherent combining of high-brightness laser diodes. Optics Letters, 2016, 41, 950.	3.3	11
85	Polarization and Crystal-Orientation Dependency of Thermal Effects in Cryogenically Cooled Yb:CaF2. , 2016, , .		0
86	Singly Resonant Optical Parametric Oscillator Pumped By a Nanosecond-to-Microsecond Pulsewidth-Tunable Source. , 2016, , .		0
87	Hybrid Yb-doped-fiber/Yb:YAG architecture for high-energy, high-power, picosecond source tunable in duration. , 2016, , .		0
88	Passive coherent combining of two tapered laser diodes in an interferometric external cavity. , 2015, , .		0
89	Separate phase-locking and coherent combining of two laser diodes in a Michelson cavity. Proceedings of SPIE, 2015, , .	0.8	3
90	Statistical tests for "related records"™ search results. Scientometrics, 2015, 105, 1665-1677.	3.0	4

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91	Spectral pulse synthesis in large-scale ultrafast coherent combining systems. European Physical Journal: Special Topics, 2015, 224, 2545-2549.	2.6	1
92	Hybrid high-energy high-power pulsewidth-tunable picosecond source. Optics Letters, 2015, 40, 5184.	3.3	8
93	Similarity Indices for 500 Classical Music Composers. Empirical Studies of the Arts, 2015, 33, 61-94.	1.7	4
94	LED side-pumped Nd ³⁺ :YVO ₄ laser at room temperature. Proceedings of SPIE, 2015, , .	0.8	0
95	Design and current progress of the Apollon-10PW project. High Power Laser Science and Engineering, 2015, 3, .	4.6	132
96	Nonlinear compression of ultrafast industrial lasers in hypocycloid-core Kagome hollow-core fiber. , 2015, , .		0
97	High-power Yb:YAG single-crystal fiber amplifiers for femtosecond lasers. , 2015, , .		1
98	Evaluation of the noise properties of a dual-frequency VECSEL for compact Cs atomic clocks. Proceedings of SPIE, 2015, , .	0.8	0
99	Single crystal fiber for laser sources. Proceedings of SPIE, 2015, , .	0.8	10
100	High-energy chirped- and divided-pulse Sagnac femtosecond fiber amplifier. Optics Letters, 2015, 40, 89.	3.3	27
101	Spectral and spatial full-bandwidth correlation analysis of bulk-generated supercontinuum in the mid-infrared. Optics Letters, 2015, 40, 673.	3.3	17
102	Coherent beam combining with an ultrafast multicore Yb-doped fiber amplifier. Optics Express, 2015, 23, 5406.	3.4	51
103	High-power Yb:YAG single-crystal fiber amplifiers for femtosecond lasers in cylindrical polarization. Optics Letters, 2015, 40, 2517.	3.3	64
104	High-energy, 34 fs, fiber source via nonlinear compression in hypocycloid-core Kagome fiber. , 2015, , .		0
105	Nonlinear compression of high energy fiber amplifier pulses in air-filled hypocycloid-core Kagome fiber. Optics Express, 2015, 23, 7416.	3.4	38
106	Laser performance of diode-pumped Yb:CaF ₂ optical ceramics synthesized using an energy-efficient process. Optica, 2015, 2, 288.	9.3	53
107	Chirped and divided-pulse Sagnac fiber amplifier. Proceedings of SPIE, 2015, , .	0.8	0
108	High average power 600â€‰%¼ ultrafast fiber laser for micromachining application. Journal of Laser Applications, 2015, 27, S29301.	1.7	6

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109	Impact of BaB2O4 growth method on frequency conversion to the deep ultra-violet. Solid State Sciences, 2015, 50, 97-100.	3.2	5
110	High Repetition Rate Yb:CaF ₂ Multipass Amplifiers Operating in the 100-mJ Range. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 464-474.	2.9	14
111	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
112	A 265W and 782 fs amplified radially polarized beam emitted by a thin-disk multipass amplifier. , 2015, , .		5
113	Single-stage Yb:YAG booster amplifier producing 2.3 mJ, 520 fs pulses at 10 kHz. , 2015, , .		4
114	Pump beam propagation and absorption distribution in single crystal fibers. , 2015, , .		0
115	High power single crystal fiber amplifiers for linearly and cylindrically polarized picosecond lasers. , 2015, , .		1
116	High-purity microwave signal from a dual-frequency semiconductor laser for CPT atomic clocks. , 2014, , .		0
117	Divided-pulse nonlinear compression. , 2014, , .		0
118	Spectral synthesis to overcome gain-narrowing in femtosecond fiber amplifiers. , 2014, , .		0
119	High average power and energetic femtosecond fiber laser using chirped- and divided-pulse amplification. , 2014, , .		0
120	Diode-pumped laser demonstration with Yb:CaF ₂ nanopowder-based ceramics. , 2014, , .		1
121	Optimizing Yb:CaGdAlO ₄ crystal for high power lasers. , 2014, , .		0
122	High-energy post-compression in hypocycloid-core Kagome fiber. , 2014, , .		0
123	Direct amplification of a nanosecond laser diode in a high gain diode-pumped Nd:YVO ₄ amplifier. Optics Letters, 2014, 39, 997.	3.3	15
124	Revisiting of LED pumped bulk laser: first demonstration of Nd:YVO ₄ LED pumped laser. Optics Letters, 2014, 39, 6731.	3.3	33
125	Thermo-optic characterization of Yb:CaGdAlO ₄ laser crystal. Optical Materials Express, 2014, 4, 2241.	3.0	66
126	Generation of 150-fs pulses from a diode-pumped Yb:KYW nonlinear regenerative amplifier. Optics Express, 2014, 22, 9414.	3.4	8

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127	Single YVO ₄ :Eu nanoparticle emission spectra using direct Eu ³⁺ ion excitation with a sum-frequency 465-nm solid-state laser. Optics Express, 2014, 22, 20542.	3.4	9
128	Mechanical phase matching of birefringent non-linear crystals. Optics Express, 2014, 22, 23315.	3.4	3
129	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
130	Passively Q-switched Er:YAG laser operating at 1617 nm at low pump power level. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 3131.	2.1	0
131	Deep-UV 2365 nm laser by fourth-harmonic generation of a single-crystal fiber Nd:YAG oscillator. Optics Letters, 2014, 39, 2236.	3.3	14
132	Diode-pumped and passively Q-switched Er:YAG laser emitting at 1617 nm. Proceedings of SPIE, 2014, , .	0.8	1
133	1617 nm emission control of an Er:YAG laser by a corrugated single-layer resonant grating mirror. Optics Letters, 2014, 39, 466.	3.3	10
134	Composer Similarities through The Classical Music Navigator: Similarity Inference from Composer Influences. Empirical Studies of the Arts, 2014, 32, 205-229.	1.7	8
135	Generation of sub-100-fs pulses in an Yb: CaGdAlO ₄ regenerative amplifier by tailored control of linear and nonlinear phase. , 2014, , .		0
136	Comment on "Dual-wavelength Q-switched Er:YAG laser around 1.6 μm for methane differential absorption lidar". Laser Physics Letters, 2014, 11, 048001.	1.4	4
137	Yb:CaGdAlO ₄ laser under high pumping power: high performances and singularities. , 2014, , .		0
138	Analysis of Limitations in Divided-Pulse Nonlinear Compression and Amplification. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 619-623.	2.9	14
139	Yb:CaF ₂ thin-disk laser. Optics Express, 2014, 22, 1524.	3.4	28
140	Low-Noise Dual-Frequency Laser for Compact Cs Atomic Clocks. Journal of Lightwave Technology, 2014, 32, 3817-3823.	4.6	29
141	Diode-pumped Yb:CaF ₂ multipass amplifier producing 50 mJ with dynamic analysis for high repetition rate operation. Applied Physics B: Lasers and Optics, 2014, 117, 597-603.	2.2	11
142	Energetic and high average power femtosecond fiber laser using chirped- and divided-pulse amplification. , 2014, , .		0
143	Generation of high-purity microwave signals from a dual-frequency OP-VECSEL. Proceedings of SPIE, 2014, , .	0.8	0
144	Apollon-10P Facility. The Review of Laser Engineering, 2014, 42, 127.	0.0	4

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145	High-power sub-50 fs, Kerr-lens mode-locked Yb:CaF ₂ oscillator pumped by high-brightness fiber-laser. , 2014, , .		0
146	Generation of sub-100 fs pulses in a Yb:CALGO regenerative amplifier. , 2014, , .		0
147	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
148	Study on the influence of repetition rate and pulse duration on ablation efficiency using a new generation of high power ytterbium doped fiber ultrafast laser. Proceedings of SPIE, 2013, , .	0.8	7
149	Femtosecond fiber chirped- and divided-pulse amplification. , 2013, , .		0
150	High power single-crystal fiber CW 946 nm laser and blue generation based on rubidium-doped PPKTP. , 2013, , .		0
151	Yb:CALGO thin-disk femtosecond oscillator. , 2013, , .		0
152	Megawatt peak power, 1ÂkHz, 266Ânm sub nanosecond laser source based on single-crystal fiber amplifier. Applied Physics B: Lasers and Optics, 2013, 111, 573-576.	2.2	10
153	Narrow-linewidth UV laser source at 257 nm. , 2013, , .		0
154	Third harmonic generation at 343nm in nonlinear Ca ₅ (BO ₃) ₃ F (CBF) crystals. Optical Materials Express, 2013, 3, 1798.	3.0	3
155	Pure and Yb ³⁺ doped fluorites (Ca, Sr, Ba)F ₂ : A renewal for the future high intensity laser chains. Journal of Luminescence, 2013, 133, 276-281.	3.1	22
156	Preliminary experimental and simulation results of the ESA QOMA project: a new DPSS laser source suitable for space applications. Proceedings of SPIE, 2013, , .	0.8	1
157	Yb :CALGO as material for high power ultrafast laser and focus on thermal conductivity variation. , 2013, , .		0
158	1 mJ, 380 fs ultrashort pulses from an Yb:YAG single crystal fiber power amplifier. , 2013, , .		1
159	High power amplification in Yb:YAG single crystal fibers. , 2013, , .		0
160	Diode pumped Er:YAG single crystal fiber laser passively Q-switched with Cr:ZnSe saturable absorber emitting at 1645 nm or 1617 nm. , 2013, , .		1
161	The BRIDLE project: High brilliance diode lasers for industrial applications. , 2013, , .		2
162	Laser demonstration with highly doped Yb:Gd ₂ O ₃ and Yb:Y ₂ O ₃ crystals grown by an original flux method. Optics Letters, 2013, 38, 4146.	3.3	26

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163	Nonlinear properties of non-hygroscopic Ca ₅ (BO ₃) ₃ F crystal at 343 nm. , 2013, , .		0
164	Compact, simple, and robust cross polarized wave generation source of few-cycle, high-contrast pulses for seeding petawatt-class laser systems. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2607.	2.1	16
165	Hybrid master oscillator power amplifier high-power narrow-linewidth nanosecond laser source at 257Ånm. Optics Letters, 2013, 38, 995.	3.3	28
166	3ÅW, 300 fs, 25 ns pulsed 473Ånm blue laser based on actively Q-switched Nd:YAG single-crystal fiber oscillator at 946Ånm. Optics Letters, 2013, 38, 3013.	3.3	22
167	Passively Q-switched, Er:YAG Single Crystal Fiber Laser Diode-Pumped at 1470 nm. , 2013, , .		0
168	Passively Q-switched diode-pumped Er:YAG solid-state laser. Optics Letters, 2013, 38, 938.	3.3	50
169	High-brightness fiber laser-pumped 68 fs 23 W Kerr-lens mode-locked Yb:CaF ₂ oscillator. Optics Letters, 2013, 38, 4008.	3.3	73
170	Amplification of cylindrically polarized laser beams in single crystal fiber amplifiers. Optics Express, 2013, 21, 11376.	3.4	24
171	Yb:YAG single crystal fiber power amplifier for femtosecond sources. Optics Letters, 2013, 38, 109.	3.3	90
172	Energy scaling of a nonlinear compression setup using passive coherent combining. Optics Letters, 2013, 38, 4437.	3.3	33
173	Two-channel pulse synthesis to overcome gain narrowing in femtosecond fiber amplifiers. Optics Letters, 2013, 38, 5430.	3.3	13
174	Magic mode switching in Yb:CaGdAlO ₄ laser under high pump power. Optics Letters, 2013, 38, 4138.	3.3	38
175	Sub-100-fs Yb:CALGO nonlinear regenerative amplifier. Optics Letters, 2013, 38, 5180.	3.3	37
176	Energy scaling of ultrafast fiber systems using chirped and divided pulse amplification. , 2013, , .		0
177	Femtosecond fiber chirped- and divided-pulse amplification system. Optics Letters, 2013, 38, 106.	3.3	82
178	Wavelength selection, spatial filtering and polarization control of an Er:YAG laser cavity by resonant-grating mirror. , 2013, , .		1
179	Ultra-broadband Front-end Laser Development for the Apollon 10PW Laser. , 2013, , .		0
180	Tunable high-purity microwave signal generation from a dual-frequency VECSEL at 852 nm. Proceedings of SPIE, 2013, , .	0.8	0

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181	Parameters of influence in surface ablation of metals with using a high power tunable ultrafast laser. , 2013, , .		4
182	Investigation on repetition rate and pulse duration influences on ablation efficiency of metals using a high average power Yb-doped ultrafast laser. MATEC Web of Conferences, 2013, 8, 04010.	0.2	0
183	Second harmonic generation at 515 nm in RTP with temperature insensitive and non-critical phase-matching. , 2013, , .		1
184	Resonant Grating Mirror for emission control of Er:YAG laser at 1617 nm. , 2013, , .		0
185	Potential of RbTiOPO4 for second harmonic generation of Yb-doped lasers. , 2013, , .		0
186	â€œMagicâ€•mode switching in Yb:CALGO laser under 200-W pump-power. , 2013, , .		0
187	Yb:YAG Single Crystal Fiber Amplifiers For Cylindrically Polarized Laser Beams. , 2013, , .		0
188	57-mJ 20-Hz multipass laser amplifier based on Yb:CaF2 crystals. , 2013, , .		0
189	Power and energy scaling of ultrafast fiber systems using chirped and divided pulse amplification for high end applications. , 2013, , .		0
190	Third harmonic generation at 343 nm in nonlinear Ca5(BO3)3F (CBF). , 2013, , .		0
191	High power Yb:CALGO thin-disk lasers in cw and fs regime. , 2013, , .		1
192	Impact of spectral phase mismatch on femtosecond coherent beam combining systems. Optics Letters, 2012, 37, 650.	3.3	13
193	Apollon-10P: Status and implementation. AIP Conference Proceedings, 2012, , .	0.4	32
194	Complete measurement of fiber modal content by wavefront analysis. Optics Express, 2012, 20, 4074.	3.4	46
195	Passive coherent combination of two ultrafast rod type fiber chirped pulse amplifiers. Optics Letters, 2012, 37, 1460.	3.3	32
196	Femtosecond Yb:CaGdAlO ₄ thin-disk oscillator. Optics Letters, 2012, 37, 3984.	3.3	78
197	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
198	High peak-power stretcher-free femtosecond fiber amplifier using passive spatio-temporal coherent combining. Optics Express, 2012, 20, 21627.	3.4	38

#	ARTICLE	IF	CITATIONS
199	250W single-crystal fiber Yb:YAG laser. Optics Letters, 2012, 37, 2898.	3.3	78
200	Resonant diode-pumping of Er:YAG single crystal fiber operating at 1617 nm. , 2012, , .		6
201	Passive coherent beam combining of two femtosecond fiber chirped-pulse amplifiers. , 2012, , .		0
202	Evaluation of the single-frequency operation of a short vertical external-cavity semiconductor laser at 852 nm. , 2012, , .		2
203	Coherent Dual-Frequency Emission of a Vertical External-Cavity Semiconductor Laser at the Cesium D_2 Line. IEEE Photonics Technology Letters, 2012, 24, 1218-1220.	2.5	19
204	Oxide crystal-fibers grown by micro-pulling-down technique and applications for lasers and scintillators. Proceedings of SPIE, 2012, , .	0.8	3
205	Yb:CaGdAlO ₄ thin-disk. Proceedings of SPIE, 2012, , .	0.8	0
206	250 W single crystal fiber Yb:YAG laser. , 2012, , .		4
207	Diode-pumped regenerative Yb:SrF ₂ amplifier. Applied Physics B: Lasers and Optics, 2012, 106, 823-827.	2.2	7
208	High gain single stage and single pass Nd:YVO ₄ passive amplifier for picosecond pulses. , 2012, , .		0
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