Dietmar Kracht

List of Publications by Year
in descending order

236	3,448	33	53
papers	citations	h-index	g-index
		126907	168389

237	237	237	2201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New ALPS results on hidden-sector lightweights. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 689, 149-155.	4.1	278
2	Pump and signal combiner for bi-directional pumping of all-fiber lasers and amplifiers. Optics Express, 2012, 20, 28125.	3.4	103
3	Stretched-pulse operation of a thulium-doped fiber laser. Optics Express, 2008, 16, 20471.	3.4	100
4	Ultrafast thulium-doped fiber-oscillator with pulse energy of 43 nJ. Optics Letters, 2008, 33, 690.	3.3	98
5	Ultrafast, stretched-pulse thulium-doped fiber laser with a fiber-based dispersion management. Optics Letters, 2012, 37, 2466.	3.3	86
6	152â€‰â€‰W average power Tm-doped fiber CPA system. Optics Letters, 2014, 39, 4671.	3.3	85
7	All-Fiber Counter-Propagation Pumped Single Frequency Amplifier Stage With 300-W Output Power. IEEE Photonics Technology Letters, 2012, 24, 1864-1867.	2.5	79
8	Brillouin scattering spectra in high-power single-frequency ytterbium doped fiber amplifiers. Optics Express, 2008, 16, 15970.	3.4	75
9	Resonant laser power build-up in ALPSâ€"A â€œlight shining through a wallâ€•experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 612, 83-96.	1.6	69
10	Sub-80-fs pulses from an all-fiber-integrated dissipative-soliton laser at 1 Âµm. Optics Express, 2011, 19, 546.	3.4	67
11	407 W End-pumped Multi-segmented Nd:YAG Laser. Optics Express, 2005, 13, 10140.	3.4	62
12	250 W end-pumped Nd:YAG laser with direct pumping into the upper laser level. Optics Letters, 2006, 31, 3618.	3.3	62
13	Supercontinuum generation with 200 pJ laser pulses in an extruded SF6 fiber at 1560 nm. Optics Express, 2003, 11, 3196.	3.4	61
14	Comparison of crystalline and ceramic composite Nd:YAG for high power diode end-pumping. Optics Express, 2005, 13, 6212.	3.4	59
15	Pulse energy of 151 nJ from ultrafast thulium-doped chirped-pulse fiber amplifier. Optics Letters, 2010, 35, 2991.	3.3	59
16	Gain dynamics and refractive index changes in fiber amplifiers: a frequency domain approach. Optics Express, 2012, 20, 13539.	3.4	59
17	Single-frequency fiber amplifier at 15 Âµm with 100 W in the linearly-polarized TEM_00 mode for next-generation gravitational wave detectors. Optics Express, 2017, 25, 24880.	3.4	59
18	Monotonically chirped pulse evolution in an ultrashort pulse thulium-doped fiber laser. Optics Letters, 2012, 37, 1014.	3.3	57

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19	Fundamental mode, single-frequency laser amplifier for gravitational wave detectors. Optics Express, 2007, 15, 459.	3.4	56
20	All-fiber ytterbium femtosecond laser without dispersion compensation. Optics Express, 2008, 16, 19562.	3.4	56
21	Stabilization and power scaling of cladding pumped Er:Yb-codoped fiber amplifier via auxiliary signal at 1064 nm. Optics Express, 2009, 17, 18304.	3.4	54
22	Pulse characteristics of a passively mode-locked thulium fiber laser with positive and negative cavity dispersion. Optics Express, 2010, 18, 18981.	3.4	52
23	High-power dissipative solitons from an all-normal dispersion erbium fiber oscillator. Optics Letters, 2010, 35, 2807.	3.3	52
24	High power, single-frequency, monolithic fiber amplifier for the next generation of gravitational wave detectors. Optics Express, 2019, 27, 28523.	3.4	52
25	Regenerative thin disk amplifier with combined gain spectra producing 500 ÂµJ sub 200 fs pulses. Optics Express, 2009, 17, 8046.	3.4	49
26	All-fiber similariton laser at 1 Î¼m without dispersion compensation. Optics Express, 2007, 15, 6889.	3.4	45
27	Normal dispersion erbium-doped fiber laser with pulse energies above 10 nJ. Optics Express, 2008, 16, 3130.	3.4	45
28	Core-doped Ceramic Nd:YAG Laser. Optics Express, 2006, 14, 2690.	3.4	43
29	Dependence of Er:Yb-codoped 15Î¼m amplifier on wavelength-tuned auxiliary seed signal at 1Î¼m wavelength. Optics Letters, 2010, 35, 4105.	3.3	43
30	Beam quality degradation of a single-frequency Yb-doped photonic crystal fiber amplifier with low mode instability threshold power. Optics Letters, 2012, 37, 4242.	3.3	40
31	Single-Frequency Fiber Amplifiers for Next-Generation Gravitational Wave Detectors. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-13.	2.9	40
32	Single-frequency master-oscillator photonic crystal fiber amplifier with 148 W output power. Optics Express, 2006, 14, 11071.	3.4	36
33	Sub-60-fs ytterbium-doped fiber laser with a fiber-based dispersion compensation. Optics Letters, 2007, 32, 2372.	3.3	36
34	All-fiber based amplification of 40 ps pulses from a gain-switched laser diode. Optics Express, 2011, 19, 1854.	3.4	33
35	Er-doped photonic crystal fiber amplifier with 70ÂW of output power. Optics Letters, 2011, 36, 3030.	3.3	32
36	Single-mode monolithic fiber laser with 200â€‰â€‰W output power at a wavelength of 1018â€‰â€‰nm. Optics Letters, 2015, 40, 4851.	3.3	32

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37	Green Q-switched microsecond laser pulses by overcoupled intracavity second harmonic generation. Optics Communications, 2004, 231, 319-324.	2.1	31
38	0.7 W all-fiber Erbium oscillator generating 64 fs wave breaking-free pulses. Optics Express, 2005, 13, 6305.	3.4	31
39	LiM 2011 Laser-based approach for bonded repair of carbon fiber reinforced plastics. Physics Procedia, 2011, 12, 537-542.	1.2	31
40	Nd:YAG ring laser with 213 W linearly polarized fundamental mode output power. Optics Express, 2005, 13, 7516.	3.4	30
41	Laser processing of continuous carbon fibre reinforced polyphenylene sulphide organic sheetsâ€"Correlation of process parameters and reduction in static tensile strength properties. Journal of Thermoplastic Composite Materials, 2014, 27, 324-337.	4.2	30
42	Core-pumped single-frequency fiber amplifier with an output power of 158â€‰â€‰W. Optics Letters, 2016, 41, 9.	3.3	30
43	Mode-locked Ho-doped laser with subsequent diode-pumped amplifier in an all-fiber design operating at 2052 nm. Optics Express, 2017, 25, 20522.	3.4	30
44	Stable sub-85 fs passively mode-locked Erbium-fiber oscillator with tunable repetition rate. Optics Express, 2004, 12, 3178.	3.4	29
45	Intrinsic reduction of the depolarization in Nd:YAG crystals. Optics Express, 2010, 18, 20461.	3.4	29
46	On wave-breaking free fiber lasers mode-locked with two saturable absorber mechanisms. Optics Express, 2008, 16, 8181.	3.4	28
47	Power Scaling of End-Pumped Solid-State Rod Lasers by Longitudinal Dopant Concentration Gradients. IEEE Journal of Quantum Electronics, 2008, 44, 232-244.	1.9	27
48	Suppression of parasitic oscillations in a core-doped ceramic Nd:YAG laser â€¨by Sm:YAG cladding. Optics Express, 2010, 18, 13094.	3.4	27
49	Beam quality and noise properties of coherently combined ytterbium doped single frequency fiber amplifiers. Optics Express, 2011, 19, 19600.	3.4	27
50	50 fs pulses from an all-normal dispersion erbium fiber oscillator. Optics Letters, 2010, 35, 3081.	3.3	24
51	67 W of Output Power From an Yb-Free Er-Doped Fiber Amplifier Cladding Pumped at 976 nm. IEEE Photonics Technology Letters, 2011, 23, 432-434.	2.5	24
52	700 MW peak power of a 380 fs regenerative amplifier with Tm:YAP. Optics Express, 2015, 23, 16884.	3.4	24
53	Mode-locked pulses from a Thulium-doped fiber Mamyshev oscillator. Optics Express, 2020, 28, 13837.	3.4	23
54	Induction of Osteogenic Differentiation of Adipose Derived Stem Cells by Microstructured Nitinol Actuator-Mediated Mechanical Stress. PLoS ONE, 2012, 7, e51264.	2.5	23

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55	Sub-50â€‰â€‰fs, ÂµJ-level pulses from a Mamyshev oscillatorâ€“amplifier system. Optics Letters, 2019, 44, 5973.	3.3	23
56	Low noise 400 W coherently combined single frequency laser beam for next generation gravitational wave detectors. Optics Express, 2021, 29, 10140.	3.4	22
57	Adhesion, Vitality and Osteogenic Differentiation Capacity of Adipose Derived Stem Cells Seeded on Nitinol Nanoparticle Coatings. PLoS ONE, 2013, 8, e53309.	2.5	22
58	End-pumped Nd:YAG laser with a longitudinal hyperbolic dopant concentration profile. Optics Express, 2008, 16, 20106.	3.4	20
59	Normal Dispersive Ultrafast Fiber Oscillators. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 170-181.	2.9	19
60	TEM_00 mode content of a two stage single-frequency Yb-doped PCF MOPA with 246 W of output power. Optics Express, 2012, 20, 5319.	3.4	19
61	Pulse duration and energy scaling of femtosecond all-normal dispersion fiber oscillators. Optics Express, 2012, 20, 3844.	3.4	19
62	Microstructured fiber cladding light stripper for kilowatt-class laser systems. Applied Optics, 2018, 57, 6640.	1.8	19
63	Analysis of the modal evolution in fused-type mode-selective fiber couplers. Optics Express, 2015, 23, 22977.	3.4	18
64	05 ÂµJ pulses from a giant-chirp ytterbium fiber oscillator. Optics Express, 2011, 19, 3647.	3.4	17
65	Design and comparison of composite rod crystals for power scaling of diode end-pumped Nd:YAG lasers. Optics Express, 2009, 17, 8229.	3.4	16
66	All-fiber phase actuator based on an erbium-doped fiber amplifier for coherent beam combining at 1064 nm. Optics Letters, 2011, 36, 448.	3.3	16
67	High power single frequency solid state master oscillator power amplifier for gravitational wave detection. Optics Letters, 2012, 37, 2862.	3.3	16
68	Laser-based modification of wettablility for carbon fiber reinforced plastics. Applied Physics A: Materials Science and Processing, 2013, 112, 179-183.	2.3	16
69	Single-Frequency ytterbium-doped fiber laser with 26 nm tuning range. Optics Express, 2007, 15, 4617.	3.4	15
70	All-fiber coherent beam combining with phase stabilization via differential pump power control. Optics Letters, 2012, 37, 1202.	3.3	15
71	All-fiber, single-frequency, and single-mode Er³⁺:Yb³⁺ fiber amplifier at 1556â€‰â€‰nm core-pumped at 1018â€‰â€‰nm. Optics Letters, 2018, 43, 2632.	3.3	15
72	Single-Frequency 336 W Spliceless All-Fiber Amplifier Based on a Chirally-Coupled-Core Fiber for the Next Generation of Gravitational Wave Detectors. Journal of Lightwave Technology, 2022, 40, 2136-2143.	4.6	14

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73	Compact diode stack end pumped Nd:YAG amplifier using core doped ceramics. Applied Optics, 2010, 49, 811.	2.1	13
74	Wavelength resolved intracavity measurement of the cross sections of a Tm-doped fiber. Optics Express, 2008, 16, 1610.	3.4	12
75	Spatially dispersive regenerative amplification of ultrashort laser pulses. Optics Express, 2009, 17, 24075.	3.4	11
76	Linearly polarized single-mode Nd:YAG oscillators using [100]- and [110]-cut crystals. Optics Express, 2011, 19, 12992.	3.4	11
77	Sub-200fs microjoule pulses from a monolithic linear fiber CPA system. Optics Communications, 2012, 285, 706-709.	2.1	11
78	Tm-doped mode-locked fiber lasers. Optical Fiber Technology, 2014, 20, 650-656.	2.7	11
79	Analysis of the Coupling Mechanism in Asymmetric Fused Fiber Couplers. Journal of Lightwave Technology, 2014, 32, 2382-2391.	4.6	11
80	Picosecond all-fiber cascaded Raman shifter pumped by an amplified gain switched laser diode. Optics Express, 2011, 19, 25918.	3.4	10
81	Impact of amplified spontaneous emission on Brillouin scattering of a single-frequency signal. Optics Express, 2012, 20, 10572.	3.4	10
82	Broadband-cascaded four-wave mixing in a photonic crystal fiber around 1Âµm. Applied Physics B: Lasers and Optics, 2013, 110, 299-302.	2.2	10
83	Pump wavelength dependence of ASE and SBS in single-frequency EYDFAs. Optics Letters, 2018, 43, 4647.	3.3	10
84	Generation of functional curved waveguides by CO2-laser based deposition of coreless fused silica fibers. , 2020, , .		10
85	Performance study of a high-power single-frequency fiber amplifier architecture for gravitational wave detectors. Applied Optics, 2020, 59, 7945.	1.8	10
86	Comparison between Tm:YAP and Ho:YAG ultrashort pulse regenerative amplification. Optics Express, 2016, 24, 8632.	3.4	9
87	Single-frequency chirally coupled-core all-fiber amplifier with 100â€‰â€‰W in a linearly polarized TEM00 mode. Optics Letters, 2020, 45, 939.	3.3	9
88	Matching of the propagation constants in an asymmetric single-mode fused fiber coupler for core pumping thulium-doped fiber at 795Ânm. Optics Letters, 2012, 37, 1844.	3.3	8
89	Upconversion Nanocrystal Doped Polymer Fiber Thermometer. Sensors, 2020, 20, 6048.	3.8	7
90	3D-printed, low-cost, lightweight optomechanics for a compact, low-power solid-state amplifier system. , 2020, , .		7

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91	Frequency resolved analysis of thermally induced refractive index changes in fiber amplifiers. Optics Letters, 2012, 37, 3597.	3.3	6
92	Influence of the third energy level on the gain dynamics of EDFAs: analytical model and experimental validation. Optics Express, 2016, 24, 24883.	3.4	6
93	Compact high-power end-pumped Nd:YAG laser. Optics and Laser Technology, 2006, 38, 183-185.	4.6	5
94	High Power, Multi-Segmented Nd:YAG Laser, Longitudinally Pumped at 885 nm. , 2009, , .		5
95	Er-doped single-frequency photonic crystal fiber amplifier with 70 W of output power for gravitational wave detection. Proceedings of SPIE, 2012, , .	0.8	5
96	High repetition rate, ÂµJ-level, CPA-free ultrashort pulse multipass amplifier based on Ho:YLF. Optics Express, 2018, 26, 18125.	3.4	5
97	Towards Highly Efficient Polymer Fiber Laser Sources for Integrated Photonic Sensors. Sensors, 2020, 20, 4086.	3.8	5
98	Highly-Integrated Signal and Pump Combiner in Chirally-Coupled-Core Fibers. Journal of Lightwave Technology, 2021, 39, 7246-7250.	4.6	5
99	Millijoule-level, kilohertz-rate, CPA-free linear amplifier for 2â€‰â€‰Î¼m ultrashort laser pulses. Optics Letters, 2018, 43, 5857.	3.3	5
100	High-repetition rate, mid-infrared, picosecond pulse generation with ÂµJ-energies based on OPG/OPA schemes in 2-Âµm-pumped ZnGeP2. Optics Express, 2020, 28, 21499.	3.4	5
101	Experimental Comparison of Fundamental Mode Content in Er:Yb-Codoped LMA Fibers With Multifilament- and Pedestal-Design Cores. Journal of Lightwave Technology, 2010, , .	4.6	4
102	Ultrafast Yb:KYW regenerative amplifier with combined gain spectra of the optical axes Nm and Np. , 2008, , .		3
103	Heat generation in Nd:YAG at different doping levels. Applied Optics, 2012, 51, 7586.	1.8	3
104	Generation of an astronomical optical frequency comb in three fibre-based nonlinear stages. Proceedings of SPIE, 2012, , .	0.8	3
105	Quasi-monolithic laser system based on 3D-printed optomechanics. , 2021, , .		3
106	Development of a pulsed UV laser system for laser-desorption mass spectrometry on Mars. , 2017, , .		3
107	Modeling of photoluminescence in laser-based lighting systems. , 2017, , .		3
108	Diode End-pumped Core-doped Ceramic Nd:YAG Laser. , 2005, , MA5.		2

#	Article	IF	Citations
109	Laser Bead-on-Plate Welding and Overlap Seams for Increasing the Strength and Rigidity of High Strength Steel. Advanced Materials Research, 0, 137, 161-190.	0.3	2
110	Yb-free Er-doped 980 nm pumped single-frequency fiber amplifier with output power of 54W and near-diffraction limited beam quality. , 2011, , .		2
111	Hybrid mode-locked thulium soliton fiber laser. , 2011, , .		2
112	TEM_00 mode content measurements on a passive leakage channel fiber. Optics Letters, 2015, 40, 383.	3.3	2
113	Monolithic Amplifier Based on a Chirally-Coupled-Core Fiber. , 2019, , .		2
114	Dispersion-managed thulium-doped fiber Mamyshev oscillator. , 2021, , .		2
115	Yb-doped fiber Mamyshev oscillator with a few-mode gain fiber. , 2021, , .		2
116	3D fabrication and characterization of polymer-imprinted optics for function-integrated, lightweight optomechanical systems. Journal of Laser Applications, 2021, 33, 042010.	1.7	2
117	High energy, femtosecond fiber laser source at 1750 nm for 3-photon microscopy (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10		2
118	Opto-mechanical design and verification of the MOMA UV laser source for the ExoMars 2020 mission. , 2019, , .		2
119	Nd:YLF Laser Pumped at 880 nm. , 2009, , .		2
120	Opto-thermal simulation model for optimizing laser-excited remote phosphor systems. , 2018, , .		2
121	Opto-thermal simulation framework for the investigation of phosphor materials in laser-based lighting systems. , 2020, , .		2
122	High efficiency passively Q-switched Nd:YAG MOPA for spaceborne laser-altimetry. , 2006, 6100, 548.		1
123	Optimized multi-segmented crystal geometries for power scaling of end-pumped rod lasers. , 2006, , .		1
124	Microsecond-pulsed ytterbium fiber laser system with a broad tuning range and a small spectral linewidth. , 2007, , .		1
125	Integrated optical micro structures for signal processing in the position metrology. Microsystem Technologies, 2008, 14, 1955-1960.	2.0	1
126	10 nJ-normal dispersion erbium-doped fiber laser exhibiting spectral filtering. , 2008, , .		1

#	Article	IF	Citations
127	320-fs thulium-doped fiber-ring-laser with a pulse energy of 3.5-nJ. , 2008, , .		1
128	Development of a solid state laser amplifier source for the third generation of gravitational wave detectors. , 2011, , .		1
129	High power fused single mode optical fiber coupler. , 2011, , .		1
130	Sub-700fs pulses at 152 W average power from a Tm-doped fiber CPA system. Proceedings of SPIE, 2015, , .	0.8	1
131	Fluorescence Dynamics of Laseractive Nanocrystals Emitting in the Visible. , 2019, , .		1
132	Laser-Induced Damage in Passive and Active Polymer Optical Fibers. , 2019, , .		1
133	Pump combiner with chirally coupled core fibers for side pumped single frequency all fiber amplifiers. , 2021, , .		1
134	Coherent beam combining of two single-frequency 200W fiber amplifiers for gravitational wave detectors. , 2021, , .		1
135	CO2-laser based micro-machining for fiber component manufacturing. , 2021, , .		1
136	Low noise spliceless single-frequency chirally-coupled-core all-fiber amplifier. , 2021, , .		1
137	Determination of the laser-induced damage threshold of polymer optical fibers. , 2018, , .		1
138	Yb-free Er-doped 976 nm Pumped Large Mode Area Fiber Amplifier with 67 W of Output Power. , 2011, , .		1
139	End-pumped Nd:YAG Laser Applying a Novel Laser Crystal with Longitudinal Hyperbolic Dopant Distribution. , 2006, , .		1
140	High Power Single-Frequency Laser for Gravitational Wave Detection. , 2006, , .		1
141	High-Power Multi-segmented End-pumped Nd:YAG Laser. , 2006, , .		1
142	Intrinsic Reduction of the Depolarization in Nd:YAG Crystals. , 2010, , .		1
143	Gain switched laser diode based all-fiber laser source emitting simultaneously at 8 different wavelengths in the NIR region. , 2011, , .		1
144	Investigations on the Impact of Amplified Spontaneous Emission on Brillouin Scattering of a Single-Frequency Signal. , 2012, , .		1

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145	Pulse duration and energy scaling of femtosecond all-normal dispersion fiber oscillators. , 2012, , .		1
146	Positively chirped pulse evolution in a passively mode-locked thulium-doped fiber laser. , 2012, , .		1
147	Recent progress on monolithic fiber amplifiers for next generation of gravitational wave detectors. , 2018, , .		1
148	Complete characterization of ultrafast pulses of an Yb-doped fiber amplifier via dispersion scans after compression in a grism compressor (Conference Presentation). , 2018, , .		1
149	Characterization of the monolithic fiber amplifier engineering prototype for the next generation of gravitational wave detectors. , 2019, , .		1
150	Amplification of ultrafast pulses in an extended Mamyshev regenerator. , 2020, , .		1
151	Low-noise, single-frequency 200 W fiber amplifier. , 2020, , .		1
152	100W optical amplifier for 10 channel laser communication system with enhanced wall-plug efficiency in the 1Âµm wavelength range. , 2022, , .		1
153	Development of efficient CCC-fiber-based components for fiber lasers and amplifiers. , 2022, , .		1
154	CO₂-laser-ablation-assisted fabrication of signal-pump combiners with chirally coupled core fibers for co- and counter-pumped all-fiber amplifiers. Optics Express, 2022, 30, 25946.	3.4	1
155	Power scaling of diode end-pumped Nd:YAG lasers by hyperbolic dopant concentration profiles. , 2006, , .		0
156	Compact, highly efficient, passively Q-switched Nd:YAG MOPA for spaceborne bepi colombo laser-altimeter. , 2006, , .		0
157	Hybrid mode-locking scheme for similariton fiber lasers. , 2007, , .		0
158	Core-doped Ceramic Nd:YAG Laser with Sm:YAG Cladding. , 2007, , .		0
159	Passively Q-Switched Core-doped Ceramic Nd:YAG Laser with Sm:YAG Cladding. , 2007, , .		0
160	Single frequency ytterbium-doped fiber laser with 26 nm tuning range. , 2007, , .		0
161	Ultrafast Yb:KYW Regenerative Amplifier with Combined Gain Spectra of the Optical Axes Nm and Np. , 2008, , .		0
162	Ultrafast double-slab regenerative amplifier with combined gain spectra. , 2009, , .		0

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163	Diode-pumped spatially dispersive Yb:KYW regenerative amplifier. , 2009, , .		0
164	Regenerative Yb:KLuW thin disk amplifier. , 2009, , .		0
165	Laser processing of carbon fiber reinforced plastic (CFRP). , 2010, , .		0
166	Dispersion Variation of a Thulium-doped Stretched-pulse Fiber Laser with Spectral Filtering. , 2010, , .		0
167	Collinear Coherent Beam Combining of Two Ytterbium Doped Single Frequency Fiber Amplifiers. , 2011, , .		0
168	Coherent Beam Combining at 1064 nm Employing an Erbium Doped Fiber Amplifier for Phase Control. , 2011, , .		0
169	0.5 µJ femtosecond pulses from a giant-chirp ytterbium fiber oscillator. , 2011, , .		0
170	Sub-200-fs microjoule pulses from an all-fiber CPA system. , 2011, , .		0
171	Single frequency solid state laser amplifier system: Towards 3rd generation of gravitational wave detectors. , 2011, , .		0
172	Fiber based dispersion management in an ultrafast thulium-doped fiber laser and external compression with a normal dispersive fiber. , 2012, , .		0
173	Stretched-pulse operation of a thulium-doped fiber laser with a fiber-based dispersion management. , 2012, , .		0
174	Frequency domain analysis of dynamic refractive index changes in fiber amplifiers. Proceedings of SPIE, 2012, , .	0.8	0
175	Development of a cascaded Raman fiber laser with 6.5W output power at 1480nm supported by detailed numerical simulations. , 2013, , .		0
176	Investigations on positively chirped pulses in a thulium-doped fiber laser. , 2013, , .		0
177	Experimental and numerical investigations on asymmetric fused fibre couplers consisting of different single-mode fibres. , 2013, , .		0
178	Power noise sources of single frequency fibre amplifiers. , 2013, , .		0
179	SBS Mitigation via Phase Modulation and Demodulation. , 2014, , .		0
180	All-fiber Combining Concepts in the Wavelength Range Around 2 Âµm. , 2016, , .		0

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181	Single-mode spectral beam combining of high power Tm-doped fiber lasers with WDM cascades. , 2016, , .		0
182	High Energy/High Repetition Rate Laser Pulses from Yb Based Solid State Oscillators with Cavity-Dumping and Regenerative Amplifiers. Springer Series in Optical Sciences, 2016, , 3-22.	0.7	0
183	Design and Optimization of Laseractive Nanoparticles for Fiber Lasers. , 2019, , .		0
184	Single-Frequency Er3+ Doped Phosphate Fiber MOPA. , 2019, , .		0
185	High-Energy Ultrafast Yb-Fiber Laser System Based on a Mamyshev Regenerator. , 2019, , .		0
186	Structured Auxiliary Mesh (SAM) Algorithm for Opto-Thermal Simulation of Laser-Based Lighting Systems. , 2019, , .		0
187	High Repetition Rate, Wavelength-Tunable Mid-IR Source Driven by ps-Pulses from a Ho:YLF Amplifier at 2 Î¼m. , 2019, , .		0
188	GALACTIC: high performance alexandrite crystals and coatings for high power space applications. , 2021, , .		0
189	Two-stage fully monolithic single-frequency Er:Yb fiber amplifiers at 1556 nm for next-generation of gravitational wave detectors. , 2021, , .		0
190	Hybrid Mode-locking in a Thulium-doped Fiber Mamyshev Osillator. , 2021, , .		0
191	Optimizing the laser diode ray tracing model for LERP system simulation based on likelihood image sampling. , 2021, , .		0
192	High-Power Fundamental Mode Single-Frequency Laser. , 2005, , .		0
193	Thermal Design of Segmented Rod Laser Crystals. , 2005, , .		0
194	Compact, High Efficiency, Passively Q-Switched Nd:YAG MOPA for Spaceborne Laser-Altimetry. , 2006, , .		0
195	High Power End-Pumped Nd:YVO4 Amplifier. , 2006, , .		0
196	Power Scaling of End-Pumped Nd:YAG Rod Lasers into the Kilowatt Region. , 2007, , .		0
197	High-power, direct upper laser level compared to traditionally Nd:YAG pumping. , 2007, , .		0
198	Passively Mode-Locked Thulium-Doped Fiber Oscillator with a Pulse Energy of 4 nJ. , 2008, , .		0

#	Article	IF	Citations
199	Suppression of Parasitic Laser Processes in Cladding Pumped Er:Yb-Codoped Fiber Amplifier via Auxiliary Signal at 1.0 Î¼m. , 2010, , .		0
200	Dissipative solitons in an all-normal erbium fiber laser. , 2010, , .		0
201	High power monolithic all-fiber counter-propagating pumped single-frequency amplifier. , 2011, , .		0
202	Generation of sub-200-fs microjoule pulses from an all-fiber CPA system. , 2011, , .		0
203	All-fiber Coherent Beam Combining of Two Ytterbium Doped Single Frequency Fiber Amplifiers. , 2012, , .		0
204	Positively Chirped Pulses in a Mode-Locked Thulium Fiber Laser - Simulation and Experiment. , 2012, , .		0
205	The Optical Phase and Single Frequency Fiber Amplifiers: Coupling Mechanisms and their Application. , 2013, , .		0
206	1.0Âµm co-seeded Er:Yb fiber amplifier with 50W output power at 1.5Âµm. , 2013, , .		0
207	On the Effective Ion Lifetime in Fiber Amplifiers. , 2013, , .		0
208	Gain dynamics in Er:Yb co-doped fiber amplifiers. , 2014, , .		0
209	Modal Analysis in Fused-Type Mode-Selective Fiber Couplers. , 2014, , .		0
210	New pump and signal combiners. , 2014, , .		0
211	Tm-Doped Fiber CPA System with 152 W Average Power and Sub-700fs Pulse Duration. , 2014, , .		0
212	Fiber components, fiber amplifiers and phase control for coherent combination. , 2014, , .		0
213	Modal Decomposition in Asymmetric Wavelength-Selective Fused Fiber Couplers. , 2014, , .		0
214	Comparison Between Tm:YAP and Ho:YAG Ultrashort Pulse Regenerative Amplification. , 2015, , .		0
215	Intracavity Dissipative Four-Wave Mixing at Different Dispersion Regimes of an Ultrafast Fiber Laser. , 2016, , .		0
216	Energy scaling of passively Q-switched lasers In the Mj-range. , 2017, , .		0

#	Article	IF	Citations
217	Fabrication of versatile cladding light strippers and fiber end-caps with CO2 laser radiation. , 2018, , .		0
218	Ultrashort pulse CPA-free Ho:YLF linear amplifier. , 2018, , .		0
219	Single-frequency and single-mode fiber amplifier at 1.5-Î¼m core-pumped at 1018 nm (Conference) Tj ETQq1 1 0.784314 rgBT /Overlo		0
220	Versatile monolithic 2-micron laser systems. , 2018, , .		0
221	Development of a comprehensive 3D model for transversal mode instability investigations. , 2018, , .		0
222	Monolithic fiber amplifiers for the next generation of gravitational wave detectors. , 2018, , .		0
223	Manufacturing and characterization of asymmetric evanescent field polished fiber couplers for fiber grating assisted mode selective coupling. , 2018, , .		0
224	Development of a reliable fabrication process of evanescent field coupled fused fiber couplers (Conference Presentation). , 2018, , .		0
225	Characterization and Long-Term Operation of a 200 W Single-Frequency Fiber Amplifier for Gravitational Wave Detectors. , 2019, , .		0
226	Broadband excess intensity noise due to an asymmetric Brillouin gain spectrum in optical fibers (Conference Presentation). , 2019, , .		0
227	CPA-free amplification of sub-10 ps pulses in Ho:YLF to the mJ-level at 2 Âµm wavelength. , 2019, , .		0
228	Polarized monolithic fiber oscillator for pico- and nanosecond operation at 2088 nm (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		0
229	Single-frequency chirally-coupled-core all-fiber amplifier with 100W in a linearly-polarized TEM00-mode. , 2020, , .		0
230	Laser-induced degradation and damage morphology in polymer optical fibers. , 2020, , .		0
231	Integrated signal and pump combiner in chirally-coupled-core fibers for all-fiber lasers and amplifiers. , 2020, , .		0
232	High power single frequency 2090-nm Ho3+ doped MOPA (Conference Presentation). , 2020, , .		0
233	Investigation of gamma radiation influence on active Er3+-doped optical fiber amplifiers (Conference) Tj ETQq1 1 0.784314 rgBT /Ove		0
234	Integrated fiber components based on chirally-coupled-core fibers for all-fiber amplifier. , 2020, , .		0

#	Article	IF	Citations
235	Broadband excess intensity noise due to an asymmetric Brillouin gain spectrum in optical fibers. OSA Continuum, 2020, 3, 2902.	1.8	0
236	Alexandrite laser crystal treatment and coatings for high LIDT space applications. , 2020, , .		0