

# Uwe Morgner

## List of Publications by Year in descending order

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papers

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381  
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381  
docs citations

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times ranked

6268  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo ultrahigh-resolution optical coherence tomography. Optics Letters, 1999, 24, 1221.	1.7	973
2	Ultrahigh-resolution ophthalmic optical coherence tomography. Nature Medicine, 2001, 7, 502-507.	15.2	954
3	Spectroscopic optical coherence tomography. Optics Letters, 2000, 25, 111.	1.7	543
4	Sub-two-cycle pulses from a Kerr-lens mode-locked Ti:sapphire laser. Optics Letters, 1999, 24, 411.	1.7	421
5	Generation of 5-fs pulses and octave-spanning spectra directly from a Ti:sapphire laser. Optics Letters, 2001, 26, 373.	1.7	404
6	Determination of the carrier-envelope phase of few-cycle laser pulses with terahertz-emission spectroscopy. Nature Physics, 2006, 2, 327-331.	6.5	235
7	Roadmap on optical rogue waves and extreme events. Journal of Optics (United Kingdom), 2016, 18, 063001.	1.0	225
8	Signatures of Carrier-Wave Rabi Flopping in GaAs. Physical Review Letters, 2001, 87, 057401.	2.9	184
9	Er:Yb-doped waveguide laser fabricated by femtosecond laser pulses. Optics Letters, 2004, 29, 2626.	1.7	175
10	Strong-Field Double Ionization of Ar below the Recollision Threshold. Physical Review Letters, 2008, 101, 053001.	2.9	175
11	Ultrabroadband double-chirped mirror pairs for generation of octave spectra. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 882.	0.9	138
12	Nonlinear Optics with Phase-Controlled Pulses in the Sub-Two-Cycle Regime. Physical Review Letters, 2001, 86, 5462-5465.	2.9	132
13	Dispersion-managed mode locking. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 1999.	0.9	117
14	All-solid-state Cr:forsterite laser generating 14-fs pulses at 13 $\mu$ m. Optics Letters, 2001, 26, 292.	1.7	102
15	Stretched-pulse operation of a thulium-doped fiber laser. Optics Express, 2008, 16, 20471.	1.7	100
16	Role of the Carrier-Envelope Offset Phase of Few-Cycle Pulses in Nonperturbative Resonant Nonlinear Optics. Physical Review Letters, 2002, 89, 127401.	2.9	99
17	Compression of CEP-stable multi-mJ laser pulses down to 4 $\mu$ fs in long hollow fibers. Laser Physics Letters, 2014, 11, 095401.	0.6	99
18	Two-photon polymerization technique with sub-50 nm resolution by sub-10 fs laser pulses. Optical Materials Express, 2012, 2, 942.	1.6	98

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19	Generation of 90-nJ pulses with a 4-MHz repetition-rate Kerr-lens mode-locked Ti:Al <sub>2</sub> O <sub>3</sub> laser operating with net positive and negative intracavity dispersion. Optics Letters, 2001, 26, 560.	1.7	94
20	Period doubling and deterministic chaos in continuously pumped regenerative amplifiers. Optics Express, 2004, 12, 1759.	1.7	93
21	Optical waveguide writing with a diode-pumped femtosecond oscillator. Optics Letters, 2004, 29, 1900.	1.7	91
22	Passive mode locking by carbon nanotubes in a femtosecond laser written waveguide laser. Applied Physics Letters, 2006, 89, 231115.	1.5	91
23	Waveguide lasers in the C-band fabricated by laser inscription with a compact femtosecond oscillator. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 277-285.	1.9	90
24	Imaging of Bloch oscillations in erbium-doped curved waveguide arrays. Optics Letters, 2006, 31, 1651.	1.7	88
25	Boosting Terahertz Generation in Laser-Field Ionized Gases Using a Sawtooth Wave Shape. Physical Review Letters, 2015, 114, 183901.	2.9	87
26	Ultrafast, stretched-pulse thulium-doped fiber laser with a fiber-based dispersion management. Optics Letters, 2012, 37, 2466.	1.7	86
27	C-band waveguide amplifier produced by femtosecond laser writing. Optics Express, 2005, 13, 5976.	1.7	83
28	Development of functional sub-100 nm structures with 3D two-photon polymerization technique and optical methods for characterization. Journal of Laser Applications, 2012, 24, .	0.8	83
29	Evidence for Third-Harmonic Generation in Disguise of Second-Harmonic Generation in Extreme Nonlinear Optics. Physical Review Letters, 2003, 90, 217404.	2.9	78
30	Generation of 20-fs pulses by a prismless Cr <sup>4+</sup> :YAG laser. Optics Letters, 2002, 27, 61.	1.7	70
31	Soliton Molecules with Two Frequencies. Physical Review Letters, 2019, 123, 243905.	2.9	70
32	Unipolar subcycle pulse-driven nonresonant excitation of quantum systems. Optics Letters, 2019, 44, 1202.	1.7	68
33	Multiphoton Double Ionization of Ar and Ne Close to Threshold. Physical Review Letters, 2010, 104, 173002.	2.9	67
34	Sub-80-fs pulses from an all-fiber-integrated dissipative-soliton laser at 1 $\mu$ m. Optics Express, 2011, 19, 546.	1.7	67
35	Generation of 150-nJ pulses from a multiple-pass cavity Kerr-lens mode-locked Ti:Al <sub>2</sub> O <sub>3</sub> oscillator. Optics Letters, 2003, 28, 1597.	1.7	66
36	High-peak-power pulses from a cavity-dumped Yb:KY(WO <sub>4</sub> ) <sub>2</sub> oscillator. Optics Letters, 2005, 30, 1891.	1.7	65

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37	Two-color pumped OPCPA system emitting spectra spanning 15 octaves from VIS to NIR. Optics Express, 2012, 20, 3076.	1.7	65
38	Ionization of noble gases with pulses directly from a laser oscillator. Optics Letters, 2006, 31, 2072.	1.7	63
39	Controlled waveforms on the single-cycle scale from a femtosecond oscillator. Optics Express, 2008, 16, 9739.	1.7	60
40	Bow-tie nano-antenna assisted generation of extreme ultraviolet radiation. New Journal of Physics, 2013, 15, 093027.	1.2	60
41	Generation of unipolar half-cycle pulses via unusual reflection of a single-cycle pulse from an optically thin metallic or dielectric layer. Optics Letters, 2017, 42, 2189.	1.7	60
42	Passively mode-locked Yb:KLu(WO <sub>4</sub> ) <sub>2</sub> thin-disk oscillator operated in the positive and negative dispersion regime. Optics Letters, 2008, 33, 1608.	1.7	59
43	Pulse energy of 151 nJ from ultrafast thulium-doped chirped-pulse fiber amplifier. Optics Letters, 2010, 35, 2991.	1.7	59
44	Impact of temporal, spatial and cascaded effects on the pulse formation in ultra-broadband parametric amplifiers. Optics Express, 2013, 21, 949.	1.7	59
45	Determining the carrier-envelope offset frequency of 5-fs pulses with extreme nonlinear optics in ZnO. Optics Letters, 2002, 27, 2127.	1.7	57
46	Monotonically chirped pulse evolution in an ultrashort pulse thulium-doped fiber laser. Optics Letters, 2012, 37, 1014.	1.7	57
47	Generation of sub-10-fs pulses from a Kerr-lens mode-locked Cr <sup>3+</sup> :LiCAF laser oscillator by use of third-order dispersion-compensating double-chirped mirrors. Optics Letters, 2002, 27, 1726.	1.7	56
48	All-fiber ytterbium femtosecond laser without dispersion compensation. Optics Express, 2008, 16, 19562.	1.7	56
49	Diode-pumped femtosecond laser oscillator with cavity dumping. Optics Letters, 2004, 29, 1288.	1.7	53
50	Pulse characteristics of a passively mode-locked thulium fiber laser with positive and negative cavity dispersion. Optics Express, 2010, 18, 18981.	1.7	52
51	High-power dissipative solitons from an all-normal dispersion erbium fiber oscillator. Optics Letters, 2010, 35, 2807.	1.7	52
52	Carrier-wave Rabi flopping: role of the carrier-envelope phase. Optics Letters, 2004, 29, 2160.	1.7	51
53	Selective ultrafast control of multi-level quantum systems by subcycle and unipolar pulses. Optics Express, 2020, 28, 17020.	1.7	51
54	Sub-two-cycle pulses from a Kerr-lens mode-locked Ti:sapphire laser. Optics Letters, 1999, 24, 920.	1.7	50

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55	Passively mode-locked and cavity-dumped Yb:KY(WO <sub>4</sub> ) <sub>2</sub> oscillator with positive dispersion. Optics Express, 2007, 15, 16017.	1.7	49
56	Regenerative thin disk amplifier with combined gain spectra producing 500 ÅµJ sub 200 fs pulses. Optics Express, 2009, 17, 8046.	1.7	49
57	500 kHz OPCPA delivering tunable sub-20 fs pulses with 15 W average power based on an all-ytterbium laser. Optics Express, 2015, 23, 1491.	1.7	49
58	High speed electro-optical cavity dumping of mode-locked laser oscillators. Optics Express, 2005, 13, 1916.	1.7	48
59	Double waveguide couplers produced by simultaneous femtosecond writing. Optics Express, 2009, 17, 3555.	1.7	47
60	High-order harmonic generation directly from a filament. New Journal of Physics, 2011, 13, 043022.	1.2	47
61	Compact 200 kHz HHG source driven by a few-cycle OPCPA. Journal of Optics (United Kingdom), 2018, 20, 014007.	1.0	47
62	High power ultra-widely tuneable femtosecond pulses from a non-collinear optical parametric oscillator (NOPO). Optics Express, 2012, 20, 912.	1.7	45
63	Diode-pumped 10-fs Cr <sup>3+</sup> :LiCAF laser. Optics Letters, 2003, 28, 1713.	1.7	44
64	Prism-based pulse shaper for octave spanning spectra. IEEE Journal of Quantum Electronics, 2005, 41, 1552-1557.	1.0	43
65	Ultrafast creation and control of population density gratings via ultraslow polarization waves. Optics Letters, 2016, 41, 4983.	1.7	43
66	Low-loss curved waveguides in polymers written with a femtosecond laser. Optics Express, 2017, 25, 263.	1.7	42
67	Multi- $\lambda/4$ , CEP-stabilized, two-cycle pulses from an OPCPA system with up to 500 kHz repetition rate. Optics Express, 2010, 18, 27291.	1.7	39
68	Population density gratings induced by few-cycle optical pulses in a resonant medium. Scientific Reports, 2017, 7, 12467.	1.6	39
69	Few-Cycle Pulses Directly from a Laser. Topics in Applied Physics, 0, , 73-136.	0.4	38
70	Terahertz radiation generation by three-color laser pulses in air filament. Journal of Applied Physics, 2019, 125, .	1.1	36
71	Microjoule pulses from a passively mode-locked Yb:KY(WO <sub>4</sub> ) <sub>2</sub> thin-disk oscillator with cavity dumping. Optics Letters, 2007, 32, 1593.	1.7	35
72	Cladded self-written multimode step-index waveguides using a one-polymer approach. Optics Letters, 2015, 40, 1830.	1.7	34

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73	Trimodal system for in vivo skin cancer screening with combined optical coherence tomography-Raman and colocalized optoacoustic measurements. Journal of Biophotonics, 2018, 11, e201700288.	1.1	34
74	Megahertz optical parametric amplifier pumped by a femtosecond oscillator. Optics Letters, 2006, 31, 125.	1.7	33
75	Cascaded-focus laser writing of low-loss waveguides in polymers. Optics Letters, 2016, 41, 1269.	1.7	33
76	Development of a combined OCT-Raman probe for the prospective <i>in vivo</i> clinical melanoma skin cancer screening. Review of Scientific Instruments, 2017, 88, 105103.	0.6	33
77	Optimum chirp for efficient terahertz generation from two-color femtosecond pulses in air. Applied Physics Letters, 2018, 113, .	1.5	33
78	Generation of few-cycle pulses directly from a MHz-NOPA. Optics Express, 2006, 14, 10627.	1.7	32
79	Comparative study of presurgical skin infiltration depth measurements of melanocytic lesions with OCT and high frequency ultrasound. Journal of Biophotonics, 2017, 10, 854-861.	1.1	32
80	Rapid phase retrieval of ultrashort pulses from dispersion scan traces using deep neural networks. Optics Letters, 2019, 44, 979.	1.7	32
81	Carrier-envelope phase dependent high-order harmonic generation with a high-repetition rate OPCPA-system. European Physical Journal D, 2015, 69, 1.	0.6	31
82	Control of Q-switched mode locking by active feedback. Optics Letters, 2001, 26, 148.	1.7	30
83	Few-cycle oscillator pulse train with constant carrier-envelope- phase and 65 as jitter. Optics Express, 2009, 17, 20282.	1.7	30
84	Sub-10-fs pulses from a MHz-NOPA with pulse energies of 04 $\mu$ J. Optics Express, 2010, 18, 1191.	1.7	30
85	Mode-locked Ho-doped laser with subsequent diode-pumped amplifier in an all-fiber design operating at 2052 nm. Optics Express, 2017, 25, 20522.	1.7	30
86	Polarization control of terahertz radiation from two-color femtosecond gas breakdown plasma. Optics Letters, 2018, 43, 90.	1.7	30
87	Few-cycle femtosecond field synthesizer. Optics Express, 2008, 16, 17410.	1.7	29
88	Spectral phase control and temporal superresolution toward the single-cycle pulse. Optics Letters, 2006, 31, 1552.	1.7	28
89	On wave-breaking free fiber lasers mode-locked with two saturable absorber mechanisms. Optics Express, 2008, 16, 8181.	1.7	28
90	Few-cycle OPCPA system at 143 kHz with more than 1 $\mu$ J of pulse energy. Optics Express, 2010, 18, 2836.	1.7	28

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91	Supercontinuum generation by multiple scatterings at a group velocity horizon. Optics Express, 2014, 22, 3866.	1.7	28
92	Terahertz and higher-order Brunel harmonics: from tunnel to multiphoton ionization regime in tailored fields. Journal of Modern Optics, 2017, 64, 1078-1087.	0.6	28
93	Optical Coherence Tomography: High Resolution Imaging Using Echoes of Light. Optics and Photonics News, 2000, 11, 24.	0.4	27
94	Near-infrared optical parametric amplifier at 1 MHz directly pumped by a femtosecond oscillator. Optics Letters, 2007, 32, 1489.	1.7	27
95	Phase matching of high-order harmonics in a semi-infinite gas cell. Physical Review A, 2009, 80, .	1.0	26
96	Temporal and spatial effects inside a compact and CEP stabilized, few-cycle OPCPA system at high repetition rates. Optics Express, 2013, 21, 29656.	1.7	25
97	Self-optimization of plasmonic nanoantennas in strong femtosecond fields. Optica, 2017, 4, 1038.	4.8	25
98	Population difference gratings created on vibrational transitions by nonoverlapping subcycle THz pulses. Scientific Reports, 2021, 11, 1961.	1.6	25
99	50 fs pulses from an all-normal dispersion erbium fiber oscillator. Optics Letters, 2010, 35, 3081.	1.7	24
100	700 MW peak power of a 380 fs regenerative amplifier with Tm:YAP. Optics Express, 2015, 23, 16884.	1.7	24
101	Passive synchronization of two independent laser oscillators with a Fabry-Pérot modulator. Optics Letters, 2002, 27, 454.	1.7	23
102	Adjustable pulse compression scheme for generation of few-cycle pulses in the midinfrared. Optics Letters, 2014, 39, 2735.	1.7	23
103	Mode-locked pulses from a Thulium-doped fiber Mamyshev oscillator. Optics Express, 2020, 28, 13837.	1.7	23
104	Few-cycle optical pulse characterization via cross-polarized wave generation dispersion scan technique. Optics Letters, 2016, 41, 5246.	1.7	23
105	Sub-50-fs, $\mu$ J-level pulses from a Mamyshev oscillator-amplifier system. Optics Letters, 2019, 44, 5973.	1.7	23
106	Quantum-limited noise performance of a femtosecond all-fiber ytterbium laser. Optics Express, 2009, 17, 15525.	1.7	22
107	12 MW peak power from a two-crystal Yb:KYW chirped-pulse oscillator with cavity-dumping. Optics Express, 2010, 18, 19095.	1.7	22
108	Ytterbium femtosecond fiber laser without dispersion compensation tunable from 1015 nm to 1050 nm. Optics Communications, 2009, 282, 2567-2570.	1.0	21

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109	Simple route toward efficient frequency conversion for generation of fully coherent supercontinua in the mid-IR and UV range. <i>Light: Science and Applications</i> , 2017, 6, e16218-e16218.	7.7	21
110	Ultrahigh-resolution optical coherence tomography with a diode-pumped broadband Cr <sup>3+</sup> :LiCAF laser. <i>Optics Express</i> , 2004, 12, 3257.	1.7	20
111	High-order-harmonic generation from dense water microdroplets. <i>Physical Review A</i> , 2013, 87, .	1.0	20
112	Variational analysis of spatio-temporal pulse dynamics in dispersive Kerr media. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 1716.	0.9	19
113	Carrier-envelope phase-sensitive inversion in two-level systems. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 2065.	0.9	19
114	Normal Dispersive Ultrafast Fiber Oscillators. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009, 15, 170-181.	1.9	19
115	Pulse duration and energy scaling of femtosecond all-normal dispersion fiber oscillators. <i>Optics Express</i> , 2012, 20, 3844.	1.7	19
116	Microstructured fiber cladding light stripper for kilowatt-class laser systems. <i>Applied Optics</i> , 2018, 57, 6640.	0.9	19
117	Continuous-wave operation and Q-switched mode locking of Cr <sup>4+</sup> :YAG microchip lasers. <i>Optics Letters</i> , 2001, 26, 941.	1.7	18
118	Spatiotemporal Gaussian pulse dynamics in Kerr-lens mode-locked lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 1356.	0.9	18
119	Towards non-sequential double ionization of Ne and Ar using a femtosecond laser oscillator. <i>Optics Express</i> , 2007, 15, 18103.	1.7	18
120	Microjoule pulse energy from a chirped-pulse Ti:sapphire oscillator with cavity dumping. <i>Optics Letters</i> , 2009, 34, 740.	1.7	18
121	Nano-antenna-assisted harmonic generation. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 75-79.	1.1	18
122	Noninstantaneous polarization dynamics in dielectric media. <i>Optica</i> , 2015, 2, 151.	4.8	18
123	Analysis of the modal evolution in fused-type mode-selective fiber couplers. <i>Optics Express</i> , 2015, 23, 22977.	1.7	18
124	Polymer Based Whispering Gallery Mode Humidity Sensor. <i>Sensors</i> , 2018, 18, 2383.	2.1	18
125	Single-sweep laser writing of 3D-waveguide devices. <i>Optics Express</i> , 2010, 18, 6994.	1.7	17
126	05 ÅµJ pulses from a giant-chirp ytterbium fiber oscillator. <i>Optics Express</i> , 2011, 19, 3647.	1.7	17



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127	Tracking spectral shapes and temporal dynamics along a femtosecond filament. Optics Express, 2011, 19, 19495.	1.7	17
128	Pulse characterization by THG d-scan in absorbing nonlinear media. Optics Express, 2014, 22, 5234.	1.7	17
129	Regularizing Aperiodic Cycles of Resonant Radiation in Filament Light Bullets. Physical Review Letters, 2017, 118, 163901.	2.9	17
130	Nanoscale Broadband Deep-Ultraviolet Light Source from Plasmonic Nanoholes. ACS Photonics, 2019, 6, 858-863.	3.2	17
131	Contrast improvement of sub-400-fs laser pulses using nonlinear elliptical polarization rotation. Optics Letters, 2019, 44, 4028.	1.7	17
132	Heteronuclear soliton molecules with two frequencies. Physical Review A, 2022, 105, .	1.0	17
133	Drift instabilities in the pulses from cw mode-locked lasers. Physical Review E, 1998, 58, 187-192.	0.8	16
134	Solitary pulse shaping dynamics in cavity-dumped laser oscillators. Optics Express, 2004, 12, 3397.	1.7	16
135	Diode-pumped, ultrafast, multi-octave supercontinuum source at repetition rates between 500 kHz and 20 MHz using Yb:glass lasers and tapered fibers. Optics Express, 2005, 13, 1477.	1.7	16
136	Generation of 9-1/4 420-fs pulses by fiber-based amplification of a cavity-dumped Yb:KYW laser oscillator. Laser Physics, 2008, 18, 527-529.	0.6	16
137	Direct observation of pulse dynamics and self-compression along a femtosecond filament. Optics Express, 2014, 22, 22905.	1.7	16
138	Controlling formation and suppression of fiber-optical rogue waves. Optics Letters, 2016, 41, 3515.	1.7	16
139	Intense few-cycle laser pulses from self-compression in a self-guiding filament. Applied Physics B: Lasers and Optics, 2009, 95, 269-272.	1.1	15
140	Generation of high-order harmonics with ultra-short pulses from filamentation. Optics Express, 2009, 17, 16177.	1.7	15
141	Generating Ultrabroadband Deep-UV Radiation and Sub-10 nm Gap by Hybrid-Morphology Gold Antennas. Nano Letters, 2019, 19, 4779-4786.	4.5	15
142	Coherent beam combining with micro-lens arrays. Optics Letters, 2020, 45, 6728.	1.7	15
143	Dynamic instabilities in an additive-pulse mode-locked Nd:YAG laser. Optics Letters, 1996, 21, 1265.	1.7	14
144	Propagation Effects in the Characterization of 1.5-Cycle Pulses by XPW Dispersion Scan. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	1.9	14

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145	Characterization of femtosecond laser written gratings in PMMA using a phase-retrieval approach. <i>Optical Materials Express</i> , 2016, 6, 3202.	1.6	13
146	All-optical supercontinuum switching. <i>Communications Physics</i> , 2020, 3, .	2.0	13
147	Single-cycle pulse compression in dense resonant media. <i>Optics Express</i> , 2021, 29, 10134.	1.7	13
148	Writing 3D Waveguides With Femtosecond Pulses in Polymers. <i>Journal of Lightwave Technology</i> , 2021, 39, 4390-4394.	2.7	13
149	Single-cycle pulse generation. <i>Nature Photonics</i> , 2010, 4, 14-15.	15.6	12
150	OptFROG â€” Analytic signal spectrograms with optimized timeâ€“frequency resolution. <i>SoftwareX</i> , 2019, 10, 100275.	1.2	12
151	All-optical attoclock for imaging tunnelling wavepackets. <i>Nature Physics</i> , 2022, 18, 417-422.	6.5	12
152	Spatially dispersive regenerative amplification of ultrashort laser pulses. <i>Optics Express</i> , 2009, 17, 24075.	1.7	11
153	Sub-200fs microjoule pulses from a monolithic linear fiber CPA system. <i>Optics Communications</i> , 2012, 285, 706-709.	1.0	11
154	Analysis of the Coupling Mechanism in Asymmetric Fused Fiber Couplers. <i>Journal of Lightwave Technology</i> , 2014, 32, 2382-2391.	2.7	11
155	Simple model to simulate OCT-depth signal in weakly and strongly scattering homogeneous media. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 125302.	1.0	11
156	All-polymer whispering gallery mode sensor system. <i>Optics Express</i> , 2016, 24, 6052.	1.7	11
157	Nonlinear dynamics of additive-pulse mode-locked lasers in four cavity topologies. <i>Physical Review A</i> , 1997, 55, 3124-3132.	1.0	10
158	Picosecond all-fiber cascaded Raman shifter pumped by an amplified gain switched laser diode. <i>Optics Express</i> , 2011, 19, 25918.	1.7	10
159	Gradient enhanced third harmonic generation in a femtosecond filament. <i>Optics Letters</i> , 2011, 36, 4389.	1.7	10
160	Low- and high-order harmonic generation inside an air filament. <i>Applied Physics B: Lasers and Optics</i> , 2012, 106, 529-532.	1.1	10
161	Broadband-cascaded four-wave mixing in a photonic crystal fiber around 1.5 $\mu$ m. <i>Applied Physics B: Lasers and Optics</i> , 2013, 110, 299-302.	1.1	10
162	Nanoâ€“antennae assisted emission of extreme ultraviolet radiation. <i>Annalen Der Physik</i> , 2014, 526, 119-134.	0.9	10

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163	Progressive Self-Boosting Anapole-Enhanced Deep-Ultraviolet Third Harmonic During Few-Cycle Laser Radiation. ACS Photonics, 2020, 7, 1655-1661.	3.2	10
164	Femtosecond Field-Driven On-Chip Unidirectional Electronic Currents in Nonadiabatic Tunneling Regime. Laser and Photonics Reviews, 2021, 15, 2000475.	4.4	10
165	High-repetition-rate two-color pump-probe system directly pumped by a femtosecond ytterbium oscillator. Optics Letters, 2009, 34, 620.	1.7	9
166	Spatial contributions of electron trajectories to high-order-harmonic radiation originating from a semi-infinite gas cell. Physical Review A, 2013, 88, .	1.0	9
167	Multipass OPCPA system at 100 kHz pumped by a CPA-free solid-state amplifier. Optics Express, 2016, 24, 8074.	1.7	9
168	Comparison between Tm:YAP and Ho:YAG ultrashort pulse regenerative amplification. Optics Express, 2016, 24, 8632.	1.7	9
169	Impact of Plasmon-Induced Atoms Migration in Harmonic Generation. ACS Photonics, 2018, 5, 1208-1214.	3.2	9
170	Dynamic focus shaping with mixed-aperture coherent beam combining. Optics Letters, 2021, 46, 1660.	1.7	9
171	Widely tunable, high-power, femtosecond noncollinear optical parametric oscillator in the visible spectral range. Photonics Research, 2021, 9, 1715.	3.4	9
172	Camouflage third-harmonic generation in the nonperturbative few-cycle regime. Physica Status Solidi (B): Basic Research, 2003, 238, 561-567.	0.7	8
173	Theoretical and experimental limits of cavity-dumping in passively mode-locked thin-disk oscillators. Optics Express, 2007, 15, 16860.	1.7	8
174	Pulsing dynamics in Ytterbium based chirped-pulse oscillators. Optics Express, 2008, 16, 14314.	1.7	8
175	Matching of the propagation constants in an asymmetric single-mode fused fiber coupler for core pumping thulium-doped fiber at 795Ånm. Optics Letters, 2012, 37, 1844.	1.7	8
176	Fourier-transform spectral interferometry for in situ group delay dispersion monitoring of thin film coating processes. Optics Express, 2016, 24, 22516.	1.7	8
177	The concept of laser-based conversion electron Mössbauer spectroscopy for a precise energy determination of <sup>229m</sup> Th. Hyperfine Interactions, 2019, 240, 1.	0.2	8
178	Versatile Control of Be <sup>+9</sup> Ions Using a Spectrally Tailored UV Frequency Comb. Physical Review Letters, 2019, 122, 123606.	2.9	8
179	A synchronized VUV light source based on high-order harmonic generation at FLASH. Scientific Reports, 2020, 10, 6867.	1.6	8
180	Higher-order dispersion and the spectral behavior in a doubly resonant optical parametric oscillator. Optics Letters, 2020, 45, 5644.	1.7	8

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181	The Effect of Chirp on Pulse Compression at a Group Velocity Horizon. IEEE Photonics Journal, 2016, 8, 1-13.	1.0	7
182	Revealing the Microscopic Real-Space Excursion of a Laser-Driven Electron. Physical Review X, 2016, 6, .	2.8	7
183	Surface-immobilized whispering gallery mode resonator spheres for optical sensing. Sensors and Actuators A: Physical, 2016, 252, 82-88.	2.0	7
184	Resonant-Plasmon-Assisted Subwavelength Ablation by a Femtosecond Oscillator. Physical Review Applied, 2018, 9, .	1.5	7
185	Filamentation-assisted plasma lifetime measurements in atomic and molecular gases via third-harmonic enhancement. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 3505.	0.9	7
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