

# Günter Steinmeyer

## List of Publications by Year in descending order

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287  
papers

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289  
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times ranked

6089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic-bandgap microcavities in optical waveguides. <i>Nature</i> , 1997, 390, 143-145.	27.8	926
2	Carrier-envelope offset phase control: A novel concept for absolute optical frequency measurement and ultrashort pulse generation. <i>Applied Physics B: Lasers and Optics</i> , 1999, 69, 327-332.	2.2	765
3	Ultra-compact Si-SiO <sub>2</sub> microring resonator optical channel dropping filters. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 549-551.	2.5	665
4	Semiconductor saturable-absorber mirror-assisted Kerr-lens mode-locked Ti:sapphire laser producing pulses in the two-cycle regime. <i>Optics Letters</i> , 1999, 24, 631.	3.3	378
5	Frontiers in Ultrashort Pulse Generation: Pushing the Limits in Linear and Nonlinear Optics. <i>Science</i> , 1999, 286, 1507-1512.	12.6	362
6	Roadmap on optical rogue waves and extreme events. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 063001.	2.2	225
7	Self-compression of millijoule pulses to 78 fs duration in a white-light filament. <i>Optics Letters</i> , 2006, 31, 274.	3.3	221
8	Femtosecond Light Transmission and Subradiant Damping in Plasmonic Crystals. <i>Physical Review Letters</i> , 2005, 94, 113901.	7.8	217
9	Direct frequency comb synthesis with arbitrary offset and shot-noise-limited phase noise. <i>Nature Photonics</i> , 2010, 4, 462-465.	31.4	207
10	Characterization of sub-6-fs optical pulses with spectral phase interferometry for direct electric-field reconstruction. <i>Optics Letters</i> , 1999, 24, 1314.	3.3	177
11	Controlling Light by Light with an Optical Event Horizon. <i>Physical Review Letters</i> , 2011, 106, 163901.	7.8	171
12	Passive mode-locking of a Tm-doped bulk laser near 2 $\mu$ m using a carbon nanotube saturable absorber. <i>Optics Express</i> , 2009, 17, 11007.	3.4	163
13	Passive mode locking of Yb:KLuW using a single-walled carbon nanotube saturable absorber. <i>Optics Letters</i> , 2008, 33, 729.	3.3	162
14	Self-compression by femtosecond pulse filamentation: Experiments versus numerical simulations. <i>Physical Review E</i> , 2006, 74, 056604.	2.1	144
15	Boosting the Non Linear Optical Response of Carbon Nanotube Saturable Absorbers for Broadband Mode-Locking of Bulk Lasers. <i>Advanced Functional Materials</i> , 2010, 20, 1937-1943.	14.9	140
16	Strong Laser Field Fragmentation of $H^{2+}$ : Coulomb Explosion without Double Ionization. <i>Physical Review Letters</i> , 2009, 102, 113002.	7.8	128
17	Few-Femtosecond Plasmon Dephasing of a Single Metallic Nanostructure from Optical Response Function Reconstruction by Interferometric Frequency Resolved Optical Gating. <i>Nano Letters</i> , 2010, 10, 2519-2524.	9.1	128
18	Pulse compression over a 170-THz bandwidth in the visible by use of only chirped mirrors. <i>Optics Letters</i> , 2001, 26, 1155.	3.3	125

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19	Interferometric frequency-resolved optical gating. <i>Optics Express</i> , 2005, 13, 2617.	3.4	125
20	Saturation of the All-Optical Kerr Effect. <i>Physical Review Letters</i> , 2011, 106, 183902.	7.8	102
21	Fabrication and characterization of ultrafast carbon nanotube saturable absorbers for solid-state laser mode locking near 1 $\mu$ m. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	97
22	Spatiotemporal Rogue Events in Optical Multiple Filamentation. <i>Physical Review Letters</i> , 2013, 111, 243903.	7.8	93
23	Coherent artifact in modern pulse measurements. <i>Optics Letters</i> , 2012, 37, 2874.	3.3	89
24	Back-side-coated chirped mirrors with ultra-smooth broadband dispersion characteristics. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 509-522.	2.2	87
25	Sub-10 fs pulse characterization using spatially encoded arrangement for spectral phase interferometry for direct electric field reconstruction. <i>Optics Letters</i> , 2006, 31, 1914.	3.3	84
26	Pulse-shape instabilities and their measurement. <i>Laser and Photonics Reviews</i> , 2013, 7, 557-565.	8.7	82
27	Rogue events in the group velocity horizon. <i>Scientific Reports</i> , 2012, 2, 850.	3.3	79
28	Second-harmonic efficiency of ZnO nanolayers. <i>Applied Physics Letters</i> , 2004, 84, 170-172.	3.3	78
29	Predictability of Rogue Events. <i>Physical Review Letters</i> , 2015, 114, 213901.	7.8	76
30	Spatially resolved amplitude and phase characterization of femtosecond optical pulses. <i>Optics Letters</i> , 2001, 26, 96.	3.3	74
31	Two-octave supercontinuum generation in a water-filled photonic crystal fiber. <i>Optics Express</i> , 2010, 18, 6230.	3.4	74
32	A chirped photonic-crystal fibre. <i>Nature Photonics</i> , 2008, 2, 679-683.	31.4	70
33	Method for Computing the Nonlinear Refractive Index via Keldysh Theory. <i>IEEE Journal of Quantum Electronics</i> , 2010, 46, 433-437.	1.9	70
34	Carrier-envelope offset dynamics of mode-locked lasers. <i>Optics Letters</i> , 2002, 27, 194.	3.3	68
35	Techniques for the characterization of sub-10-fs optical pulses: a comparison. <i>Applied Physics B: Lasers and Optics</i> , 2000, 70, S67-S75.	2.2	67
36	Sub-100 fs single-walled carbon nanotube saturable absorber mode-locked Yb-laser operation near 1 $\mu$ m. <i>Optics Express</i> , 2009, 17, 20109.	3.4	63

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37	Carrier-envelope offset phase-locking with attosecond timing jitter. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 1030-1040.	2.9	60
38	Compressible Octave Spanning Supercontinuum Generation by Two-Pulse Collisions. Physical Review Letters, 2013, 110, 233901.	7.8	60
39	Carrier-envelope phase stabilization with sub-10 as residual timing jitter. Optics Letters, 2011, 36, 4146.	3.3	57
40	Long-term carrier-envelope-phase-stable few-cycle pulses by use of the feed-forward method. Optics Letters, 2012, 37, 2076.	3.3	56
41	Carrier-envelope-offset dynamics and stabilization of femtosecond pulses. Applied Physics B: Lasers and Optics, 2002, 74, s35-s42.	2.2	54
42	Brewster-angled chirped mirrors for high-fidelity dispersion compensation and bandwidths exceeding one optical octave. Optics Express, 2003, 11, 2385.	3.4	54
43	Femtosecond dispersion compensation with multilayer coatings: toward the optical octave. Applied Optics, 2006, 45, 1484.	2.1	54
44	Ultrashort-pulse wave-front autocorrelation. Optics Letters, 2003, 28, 2399.	3.3	53
45	Modelocked GaSb disk laser producing 384 fs pulses at 2 µm wavelength. Electronics Letters, 2011, 47, 454.	1.0	51
46	Mechanisms underlying strong-field double ionization of argon dimers. Physical Review A, 2010, 82, .	2.5	49
47	Brewster-angled chirped mirrors for broadband pulse compression without dispersion oscillations. Optics Letters, 2006, 31, 2220.	3.3	48
48	GaSb-based SESAM mode-locked Tm:YAG ceramic laser at 2 µm. Optics Express, 2015, 23, 1361.	3.4	48
49	Coherent acoustic phonons in PbTe quantum dots. Applied Physics Letters, 1998, 73, 2149-2151.	3.3	47
50	Roadmap on ultrafast optics. Journal of Optics (United Kingdom), 2016, 18, 093006.	2.2	46
51	Temporal Self-Restoration of Compressed Optical Filaments. Physical Review Letters, 2008, 101, 213901.	7.8	43
52	C60 in intense short pulse laser fields down to 9fs: Excitation on time scales below e-e and e-phonon coupling. Journal of Chemical Physics, 2006, 125, 194320.	3.0	42
53	Frustrated Tunnel Ionization of Noble Gas Dimers with Rydberg-Electron Shakeoff by Electron Charge Oscillation. Physical Review Letters, 2013, 110, 023001.	7.8	41
54	Dynamical pulse shaping in a nonlinear resonator. Physical Review A, 1995, 52, 830-838.	2.5	40

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55	Generation of sub-4-fs pulses via compression of a white-light continuum using only chirped mirrors. Applied Physics B: Lasers and Optics, 2006, 82, 175-181.	2.2	40
56	Highly efficient THG in TiO <sub>2</sub> nanolayers for third-order pulse characterization. Optics Express, 2011, 19, 16985.	3.4	39
57	Generation of sub-6-fs blue pulses by frequency doubling with quasi-phase-matching gratings. Optics Letters, 2001, 26, 614.	3.3	38
58	Ultrashort-pulsed truncated polychromatic Bessel-Gauss beams. Optics Express, 2008, 16, 1077.	3.4	38
59	Sub-6-fs pulses from a SESAM-assisted Kerr-lens modelocked Ti:sapphire laser: at the frontiers of ultrashort pulse generation. Applied Physics B: Lasers and Optics, 2000, 70, S5-S12.	2.2	37
60	Second-harmonic performance of a-axis-oriented ZnO nanolayers on sapphire substrates. Applied Physics Letters, 2005, 87, 171108.	3.3	37
61	Saturation of the all-optical Kerr effect in solids. Optics Letters, 2012, 37, 1541.	3.3	37
62	Optimizing spectral phase interferometry for direct electric-field reconstruction. Review of Scientific Instruments, 2006, 77, 073105.	1.3	36
63	Picosecond passively mode-locked GaSb-based semiconductor disk laser operating at 2 $\mu$ m. Optics Letters, 2010, 35, 4090.	3.3	36
64	Real-time characterization and optimal phase control of tunable visible pulses with a flexible compressor. Applied Physics B: Lasers and Optics, 2002, 74, s219-s224.	2.2	35
65	Standards for ultrashort-laser-pulse-measurement techniques and their consideration for self-referenced spectral interferometry. Applied Optics, 2014, 53, D1.	1.8	35
66	Generation of one-dimensional optical turbulence. Physica D: Nonlinear Phenomena, 1996, 96, 251-258.	2.8	34
67	Fast f-to-2f interferometer for a direct measurement of the carrier-envelope phase drift of ultrashort amplified laser pulses. Optics Letters, 2008, 33, 2545.	3.3	33
68	Mode locking of a Cr:YAG laser with carbon nanotubes. Optics Letters, 2010, 35, 2669.	3.3	33
69	Mode-locked VECSEL emitting 5 $\mu$ s pulses at 675 $\mu$ m. Optics Letters, 2013, 38, 2289.	3.3	33
70	Advanced phase retrieval for dispersion scan: a comparative study. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 8.	2.1	33
71	Observation of a period-doubling sequence in a nonlinear optical fiber ring cavity near zero dispersion. Optics Communications, 1994, 104, 379-384.	2.1	32
72	Advanced methods for the characterization of few-cycle light pulses: a comparison. Applied Physics B: Lasers and Optics, 2006, 83, 511-519.	2.2	32

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73	Absorption recovery dynamics in 2-µm GaSb-based SESAMs. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 065102.	2.8	31
74	Highly reliable measurement of ultrashort laser pulses. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	31
75	Kramers-Kronig relations and high-order nonlinear susceptibilities. <i>Physical Review A</i> , 2012, 85, .	2.5	30
76	Bandwidth-independent linear method for detection of the carrier-envelope offset phase. <i>Optics Letters</i> , 2007, 32, 3095.	3.3	29
77	Rogue wave formation by accelerated solitons at an optical event horizon. <i>Applied Physics B: Lasers and Optics</i> , 2014, 115, 343-354.	2.2	29
78	Supercontinuum generation by multiple scatterings at a group velocity horizon. <i>Optics Express</i> , 2014, 22, 3866.	3.4	28
79	Collinear type II second-harmonic-generation frequency-resolved optical gating for the characterization of sub-10-fs optical pulses. <i>Optics Letters</i> , 2000, 25, 269.	3.3	27
80	Self-recompression of laser filaments exiting a gas cell. <i>Physical Review A</i> , 2009, 79, .	2.5	27
81	Few-optical-cycle laser pulses by OPA: broadband chirped mirror compression and SPIDER characterization. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, s245-s251.	2.2	26
82	Entering the mid-infrared. <i>Nature Photonics</i> , 2014, 8, 814-815.	31.4	26
83	Dispersion oscillations in ultrafast phase-correction devices. <i>IEEE Journal of Quantum Electronics</i> , 2003, 39, 1027-1034.	1.9	25
84	Synthesized femtosecond laser pulse source for two-wavelength contouring with simultaneously recorded digital holograms. <i>Optics Express</i> , 2009, 17, 2686.	3.4	25
85	Self-optimization of plasmonic nanoantennas in strong femtosecond fields. <i>Optica</i> , 2017, 4, 1038.	9.3	25
86	High dynamic range characterization of ultrabroadband white-light continuum pulses. <i>Optics Express</i> , 2004, 12, 6319.	3.4	24
87	Ocean rogue waves and their phase space dynamics in the limit of a linear interference model. <i>Scientific Reports</i> , 2016, 6, 35207.	3.3	24
88	GaSb-based semiconductor saturable absorber mirrors for mode-locking 2-µm semiconductor disk lasers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 294-297.	0.8	23
89	Regularization of an autoconvolution problem in ultrashort laser pulse characterization. <i>Inverse Problems in Science and Engineering</i> , 2014, 22, 245-266.	1.2	23
90	Adjustable pulse compression scheme for generation of few-cycle pulses in the midinfrared. <i>Optics Letters</i> , 2014, 39, 2735.	3.3	23

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91	Ultrafast dynamics of surface plasmon polaritons in plasmonic metamaterials. Applied Physics B: Lasers and Optics, 2006, 84, 183-189.	2.2	22
92	Mirror dispersion control of a hollow fiber supercontinuum. Applied Physics B: Lasers and Optics, 2004, 78, 551-555.	2.2	21
93	Simple route toward efficient frequency conversion for generation of fully coherent supercontinua in the mid-IR and UV range. Light: Science and Applications, 2017, 6, e16218-e16218.	16.6	21
94	100-kHz, dual-beam OPA delivering high-quality, 5-cycle angular-dispersion-compensated mid-infrared idler pulses at 31 Åm. Optics Express, 2018, 26, 25793.	3.4	21
95	Additive pulse mode-locked Nd: YAG laser. Applied Physics B, Photophysics and Laser Chemistry, 1993, 56, 335-342.	1.5	20
96	Variational approach to pulse propagation in parametrically amplified optical systems. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 2167.	2.1	20
97	Performance comparison of interferometer topologies for carrier-envelope phase detection. Applied Physics B: Lasers and Optics, 2009, 95, 81-84.	2.2	20
98	On the role of shot noise in carrier-envelope phase stabilization. Laser and Photonics Reviews, 2014, 8, 303-315.	8.7	20
99	Mode-locked Tm,Ho:KLu(WO_4)_2 laser at 2060 nm using InGaSb-based SESAMs. Optics Express, 2015, 23, 4614.	3.4	20
100	Taming chaos: 16 mJ picosecond Ho:YLF regenerative amplifier with 0.7ÅkHz repetition rate. Laser and Photonics Reviews, 2016, 10, 123-130.	8.7	20
101	Carrier-envelope phase stabilization of an Er:Yb:glass laser via a feed-forward technique. Optics Letters, 2019, 44, 5610.	3.3	20
102	Quantitative characterization of turbulence in an optical experiment. Physical Review E, 1996, 53, 5399-5402.	2.1	19
103	A fast Gabor wavelet transform for high-precision phase retrieval in spectral interferometry. Optics Express, 2007, 15, 14313.	3.4	19
104	Mode-locking of solid-state lasers by single-walled carbon-nanotube based saturable absorbers. Quantum Electronics, 2012, 42, 663-670.	1.0	19
105	Role of Intrapulse Coherence in Carrier-Envelope Phase Stabilization. Physical Review Letters, 2017, 119, 123901.	7.8	19
106	Exciton resonance tuning for the generation of subpicosecond pulses from a mode-locked semiconductor disk laser. Applied Physics Letters, 2006, 89, 141107.	3.3	18
107	Self-pinching of pulsed laser beams during filamentary propagation. Optics Express, 2009, 17, 16429.	3.4	18
108	Noninstantaneous polarization dynamics in dielectric media. Optica, 2015, 2, 151.	9.3	18

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109	Femtosecond supercontinuum generation in water in the vicinity of absorption bands. Optics Letters, 2016, 41, 3475.	3.3	18
110	Resonant Saturable Absorber Mirrors for Dispersion Control in Ultrafast Lasers. IEEE Journal of Quantum Electronics, 2007, 43, 174-181.	1.9	17
111	Phase retrieval via regularization in self-diffraction-based spectral interferometry. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 983.	2.1	17
112	Structures of interferometric frequency-resolved optical gating. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 286-296.	2.9	16
113	Agile linear interferometric method for carrier-envelope phase drift measurement. Optics Letters, 2012, 37, 836.	3.3	16
114	Controlling formation and suppression of fiber-optical rogue waves. Optics Letters, 2016, 41, 3515.	3.3	16
115	Cascaded self-compression of femtosecond pulses in filaments. New Journal of Physics, 2010, 12, 093046.	2.9	15
116	Excess carrier-envelope phase noise generation in saturable absorbers. Optics Letters, 2017, 42, 1068.	3.3	15
117	Ultrashort-pulse dual-wavelength source for digital holographic two-wavelength contouring. Applied Physics B: Lasers and Optics, 2007, 89, 513-516.	2.2	14
118	Plasma induced pulse breaking in filamentary self-compression. Laser Physics, 2010, 20, 1107-1113.	1.2	14
119	Interferometric time-domain ptychography for ultrafast pulse characterization. Optics Letters, 2017, 42, 2185.	3.3	14
120	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.	2.9	14
121	Femtosecond Neodymium-doped microstructure fiber laser. Optics Express, 2005, 13, 8671.	3.4	13
122	Ablation and structural changes induced in InP surfaces by single 10 fs laser pulses in air. Journal of Applied Physics, 2009, 106, 074907.	2.5	13
123	All-optical supercontinuum switching. Communications Physics, 2020, 3, .	5.3	13
124	Supercontinuum generation in a two-dimensional photonic kagome crystal. Applied Physics B: Lasers and Optics, 2005, 81, 209-217.	2.2	12
125	Isochronic carrier-envelope phase-shift compensator. Optics Letters, 2008, 33, 2704.	3.3	12
126	Noise performance of a feed-forward scheme for carrier-envelope phase stabilization. Applied Physics B: Lasers and Optics, 2011, 104, 799-804.	2.2	12



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127	Variational regularization of complex deautoconvolution and phase retrieval in ultrashort laser pulse characterization. <i>Inverse Problems</i> , 2016, 32, 035002.	2.0	12
128	Active f-to-2f interferometer for record-low jitter carrier-envelope phase locking. <i>Optics Letters</i> , 2019, 44, 1060.	3.3	12
129	Longitudinal structure formation in a nonlinear resonator. <i>Applied Physics B: Lasers and Optics</i> , 1996, 62, 367-374.	2.2	11
130	Mode-locked Nd-doped microstructured fiber laser. <i>Optics Express</i> , 2004, 12, 4523.	3.4	11
131	Optimizing Single-Walled Carbon Nanotube-Based Saturable Absorbers for Ultrafast Lasers. <i>Advanced Functional Materials</i> , 2012, 22, 4369-4375.	14.9	11
132	Characterization and application of chirped photonic crystal fiber in multiphoton imaging. <i>Optics Express</i> , 2014, 22, 10366.	3.4	11
133	Supercontinuum generation as a signal amplifier. <i>Optica</i> , 2015, 2, 757.	9.3	11
134	Retrieving the coherent artifact in frequency-resolved optical gating. <i>Optics Letters</i> , 2019, 44, 3142.	3.3	11
135	Sub-6-fs blue pulses generated by quasi-phase-matching second-harmonic generation pulse compression. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, s237-s243.	2.2	10
136	Filamentary pulse self-compression: The impact of the cell windows. <i>Physical Review A</i> , 2011, 83, .	2.5	10
137	Pulse retrieval algorithm for interferometric frequency-resolved optical gating based on differential evolution. <i>Review of Scientific Instruments</i> , 2017, 88, 103102.	1.3	10
138	Third-harmonic interferometric frequency-resolved optical gating. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 2367.	2.1	10
139	134-µm VECSEL mode-locked with a GaSb-based SESAM. <i>Optics Letters</i> , 2018, 43, 3353.	3.3	10
140	Electric-field induced second-harmonic generation of femtosecond pulses in atmospheric air. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	10
141	Potential of femtosecond chirp control of ultrabroadband semiconductor continuum nonlinearities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 2285.	2.1	9
142	Modulation instability in filamentary self-compression. <i>Laser Physics</i> , 2011, 21, 1313-1318.	1.2	9
143	Quantum beat oscillations in the two-color-photoionization continuum of neon and their dependence on the intensity of the ionizing laser pulse. <i>Physical Review A</i> , 2011, 84, .	2.5	9
144	Direct carrier-envelope phase control of an amplified laser system. <i>Optics Letters</i> , 2014, 39, 1669.	3.3	9

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145	Analytical relation between effective mode field area and waveguide dispersion in microstructure fibers. <i>Optics Letters</i> , 2006, 31, 3249.	3.3	8
146	Isochronic and isodispersive carrier-envelope phase-shift compensators. <i>Applied Physics B: Lasers and Optics</i> , 2009, 97, 575-581.	2.2	8
147	Guiding Properties of Chirped Photonic Crystal Fibers. <i>Journal of Lightwave Technology</i> , 2009, 27, 1698-1706.	4.6	8
148	Self-compression of 120 fs pulses in a white-light filament. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 055203.	2.2	8
149	Hollow fiber for flexible sub-20-fs pulse delivery. <i>Optics Letters</i> , 2011, 36, 442.	3.3	8
150	On the origin of flicker noise in carrier-envelope phase stabilization. <i>Optics Letters</i> , 2014, 39, 6989.	3.3	8
151	Ultrahigh precision nonlinear reflectivity measurement system for saturable absorber mirrors with self-referenced fluence characterization. <i>Optics Letters</i> , 2014, 39, 4384.	3.3	8
152	Imaging the impulsive alignment of noble-gas dimers via Coulomb explosion. <i>Physical Review A</i> , 2014, 89, .	2.5	8
153	Dispersion compensation by microstructured optical devices in ultrafast optics. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 1663-1671.	2.3	7
154	A room-temperature continuous-wave operating midinfrared light emitting device. <i>Journal of Applied Physics</i> , 2006, 99, 114506.	2.5	7
155	Extending filamentation. <i>Nature Photonics</i> , 2014, 8, 271-273.	31.4	7
156	The Effect of Chirp on Pulse Compression at a Group Velocity Horizon. <i>IEEE Photonics Journal</i> , 2016, 8, 1-13.	2.0	7
157	A closer look at ultra-intense lasers. <i>Nature Photonics</i> , 2016, 10, 502-504.	31.4	7
158	Resonant-Plasmon-Assisted Subwavelength Ablation by a Femtosecond Oscillator. <i>Physical Review Applied</i> , 2018, 9, .	3.8	7
159	Spontaneous emission noise in mode-locked lasers and frequency combs. <i>Physical Review A</i> , 2020, 102, .	2.5	7
160	Long-term hybrid stabilization of the carrier-envelope phase. <i>Optics Express</i> , 2020, 28, 34093.	3.4	7
161	Spatial cage solitons – taming light bullets. <i>Photonics Research</i> , 2022, 10, 148.	7.0	7
162	Dynamic spectral interferometry for measuring the nonlinear amplitude and phase response of a saturable absorber mirror. <i>Applied Physics Letters</i> , 2005, 86, 081105.	3.3	6

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163	Large-mode-area Nd-doped single-transversemode dual-wavelength microstructure fiber laser. Optics Express, 2005, 13, 7884.	3.4	6
164	Numerical fringe pattern demodulation strategies in interferometry. Review of Scientific Instruments, 2008, 79, 073102.	1.3	6
165	Regularized differential evolution for a blind phase retrieval problem in ultrashort laser pulse characterization. Review of Scientific Instruments, 2019, 90, 043116.	1.3	6
166	Linear chirp instability analysis for ultrafast pulse metrology. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 74.	2.1	6
167	Subpicosecond pulses near 19 $\mu$ m from a synchronously pumped color-center laser. Optics Letters, 1993, 18, 1544.	3.3	5
168	Nanostructured fibers for sub-10 fs optical pulse delivery. Laser and Photonics Reviews, 2013, 7, 566-570.	8.7	5
169	Field enhancement of multiphoton induced luminescence processes in ZnO nanorods. Journal Physics D: Applied Physics, 2018, 51, 105306.	2.8	5
170	High-detectivity optical heterodyne method for wideband carrier-envelope phase noise analysis of laser oscillators. Optics Letters, 2018, 43, 3108.	3.3	5
171	Strategies for the characterization of partially coherent ultrashort pulses with dispersion scan. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2092.	2.1	5
172	Acoustic frequency combs for carrier-envelope phase stabilization. Optics Letters, 2014, 39, 544.	3.3	4
173	Space-time focusing and coherence properties of supercontinua in multipass cells. Physical Review Research, 2021, 3, .	3.6	4
174	Kinetics of excitation transfer from Cr <sup>2+</sup> to Fe <sup>2+</sup> ions in co-doped ZnSe. Optics Letters, 2022, 47, 2129-2132.	3.3	4
175	Terahertz meets attoscience. Nature Physics, 2006, 2, 305-306.	16.7	3
176	Asymptotic pulse shapes in filamentary propagation of intense femtosecond pulses. Laser Physics, 2009, 19, 330-335.	1.2	3
177	Self-diffraction SPIDER. , 2010, , .		3
178	Passively mode-locked GaSb-based VECSELs emitting sub-400-fs pulses at 2 $\mu$ m. , 2012, , .		3
179	On the pulse width of synchronously pumped lasers. Applied Physics B: Lasers and Optics, 1996, 62, 375-379.	2.2	2
180	Systematic evaluation and prediction of the pulse width of synchronously pumped lasers. Applied Physics B: Lasers and Optics, 1998, 66, 145-152.	2.2	2

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181	Recent advances in thin-film microoptics (Invited Paper). , 2005, 5827, 187.		2
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