GÃ¼nter Steinmeyer

List of Publications by Year
in descending order

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287 papers	9,848 citations	47006 47 h-index	40979 93 g-index
289 all docs	289 docs citations	289 times ranked	6089 citing authors

#	Article	IF	Citations
1	Spatial cage solitonsâ€"taming light bullets. Photonics Research, 2022, 10, 148.	7.0	7
2	Intermodal synchronization effects in multimode fibers with noninstantaneous nonlinearity. Physical Review A, 2022, 105, .	2.5	2
3	Cage solitons. , 2022, , .		0
4	Kinetics of excitation transfer from Cr2+ to Fe2+ ions in co-doped ZnSe. Optics Letters, 2022, 47, 2129-2132.	3.3	4
5	Space-time focusing and coherence properties of supercontinua in multipass cells. Physical Review Research, 2021, 3, .	3.6	4
6	Cage Solitons. IEEE Journal of Quantum Electronics, 2021, 57, 1-6.	1.9	1
7	Milliradian precision ultrafast pulse control for spectral phase metrology. Optics Express, 2021, 29, 14314.	3.4	2
8	All-Optical Switching of Supercontinuum Spectra. , 2021, , .		0
9	Pseudo mode-locking. , 2021, , .		0
10	The Schawlow-Townes limit in frequency comb metrology. , 2021, , .		0
11	Cage solitons of the Haus Master Equation. , 2021, , .		0
12	Highly reliable measurement of ultrashort laser pulses. Journal of Applied Physics, 2020, 128, .	2.5	31
13	All-optical supercontinuum switching. Communications Physics, 2020, 3, .	5.3	13
14	Spontaneous emission noise in mode-locked lasers and frequency combs. Physical Review A, 2020, 102, .	2.5	7
15	Pseudo mode-locking. , 2020, , .		2
16	Linear chirp instability analysis for ultrafast pulse metrology. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 74.	2.1	6
17	Tailoring the waveguide dispersion of nonlinear fibers for supercontinuum generation with superior intrapulse coherence. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2485.	2.1	2
18	Long-term hybrid stabilization of the carrier-envelope phase. Optics Express, 2020, 28, 34093.	3.4	7

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19	Retrieving the Coherent Artifact with FROG. , 2020, , .		0
20	Long-term Hybrid Stabilization of CEP. , 2020, , .		0
21	Hybrid Feed-Forward and Feedback Long-term CEP Stabilization of All-Solid-State Laser. , 2020, , .		0
22	Side-effect free carrier-envelope frequency stabilization utilizing the Doppler effect. , 2020, , .		0
23	Single-Digit Attosecond Carrier-Envelope Phase Stabilization of an Er:Yb:Glass Laser with Feed-Forward Technique. , 2020, , .		0
24	Retrieving the Coherent Artifact with Frequency-Resolved Optical Gating. , 2020, , .		0
25	Active f-to-2f Interferometer for Carrier-Envelope Phase Locking. , 2019, , .		0
26	Ultimate Quantum Noise Limit of Frequency Comb Measurements. , 2019, , .		0
27	Regularized differential evolution for a blind phase retrieval problem in ultrashort laser pulse characterization. Review of Scientific Instruments, 2019, 90, 043116.	1.3	6
28	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
29	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
30	Active f-to-2f interferometer for record-low jitter carrier-envelope phase locking. Optics Letters, 2019, 44, 1060.	3.3	12
31	Retrieving the coherent artifact in frequency-resolved optical gating. Optics Letters, 2019, 44, 3142.	3.3	11
32	Influence of the Doppler effect of a periodically moving mirror on the carrier-envelope frequency of a pulse train. Optics Letters, 2019, 44, 5246.	3.3	2
33	Carrier-envelope phase stabilization of an Er:Yb:glass laser via a feed-forward technique. Optics Letters, 2019, 44, 5610.	3.3	20
34	Fiber event horizon by single color pump. , 2019, , .		1
35	Active f-to-2f interferometer for record-low jitter carrier-envelope phase locking. , 2019, , .		1
36	Soliton elasticity. , 2019, , .		0

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37	Resonant-Plasmon-Assisted Subwavelength Ablation by a Femtosecond Oscillator. Physical Review Applied, 2018, 9, .	3.8	7
38	Field enhancement of multiphoton induced luminescence processes in ZnO nanorods. Journal Physics D: Applied Physics, 2018, 51, 105306.	2.8	5
39	Lattice-Matched GaSb SESAMs for Ultrafast Infrared Lasers. , 2018, , .		0
40	134â€‰â€‰Î¼m VECSEL mode-locked with a GaSb-based SESAM. Optics Letters, 2018, 43, 3353.	3.3	10
41	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
42	Effect of coherence on all-optical signal amplification by supercontinuum generation. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 140.	2.1	2
43	High-detectivity optical heterodyne method for wideband carrier-envelope phase noise analysis of laser oscillators. Optics Letters, 2018, 43, 3108.	3.3	5
44	Electric-field induced second-harmonic generation of femtosecond pulses in atmospheric air. Applied Physics Letters, 2018, 112, .	3.3	10
45	100-kHz, dual-beam OPA delivering high-quality, 5-cycle angular-dispersion-compensated mid-infrared idler pulses at 31 Âµm. Optics Express, 2018, 26, 25793.	3.4	21
46	Hidden amplitude-phase correlations in the carrier-envelope noise of mode-locked lasers. Proceedings of SPIE, 2017, , .	0.8	0
47	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
48	Pulse retrieval algorithm for interferometric frequency-resolved optical gating based on differential evolution. Review of Scientific Instruments, 2017, 88, 103102.	1.3	10
49	Role of Intrapulse Coherence in Carrier-Envelope Phase Stabilization. Physical Review Letters, 2017, 119, 123901.	7.8	19
50	Self-optimization of plasmonic nanoantennas in strong femtosecond fields. Optica, 2017, 4, 1038.	9.3	25
51	Interferometric time-domain ptychography for ultrafast pulse characterization. Optics Letters, 2017, 42, 2185.	3.3	14
52	Third-harmonic interferometric frequency-resolved optical gating. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2367.	2.1	10
53	Interferometric time-domain ptychography for ultrafast pulse characterization. , 2017, , .		0
54	Excess carrier-envelope phase noise generation in saturable absorbers. Optics Letters, 2017, 42, 1068.	3.3	15

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55	Bootstrap method for ultrabroad bandwidth carrier-envelope frequency noise analysis with superior detectivity. , 2017, , .		0
56	Variational regularization of complex deautoconvolution and phase retrieval in ultrashort laser pulse characterization. Inverse Problems, 2016, 32, 035002.	2.0	12
57	The Effect of Chirp on Pulse Compression at a Group Velocity Horizon. IEEE Photonics Journal, 2016, 8, 1-13.	2.0	7
58	Roadmap on optical rogue waves and extreme events. Journal of Optics (United Kingdom), 2016, 18, 063001.	2.2	225
59	Roadmap on ultrafast optics. Journal of Optics (United Kingdom), 2016, 18, 093006.	2.2	46
60	A closer look at ultra-intense lasers. Nature Photonics, 2016, 10, 502-504.	31.4	7
61	Taming chaos: 16 mJ picosecond Ho:YLF regenerative amplifier with 0.7ÂkHz repetition rate. Laser and Photonics Reviews, 2016, 10, 123-130.	8.7	20
62	Femtosecond supercontinuum generation in water in the vicinity of absorption bands. Optics Letters, 2016, 41, 3475.	3.3	18
63	Controlling formation and suppression of fiber-optical rogue waves. Optics Letters, 2016, 41, 3515.	3.3	16
64	Ocean rogue waves and their phase space dynamics in the limit of a linear interference model. Scientific Reports, 2016, 6, 35207.	3.3	24
65	Intracavity measurement of the electro-optic Kerr effect via carrier-envelope phase demodulation. Optics Letters, 2016, 41, 5158.	3.3	1
66	Short Wavelength Tail Effects in Multiphoton Induced Luminescence from ZnO Using sub-10 fs Ti:Sa Pulses. , 2016, , .		0
67	Mode-locked Tm,Ho:KLu(WO_4)_2 laser at 2060 nm using InGaSb-based SESAMs. Optics Express, 2015, 23, 4614.	3.4	20
68	Predictability of Rogue Events. Physical Review Letters, 2015, 114, 213901.	7.8	76
69	Noninstantaneous polarization dynamics in dielectric media. Optica, 2015, 2, 151.	9.3	18
70	GaSb-based SESAM mode-locked Tm:YAG ceramic laser at 2 Âµm. Optics Express, 2015, 23, 1361.	3.4	48
71	Supercontinuum generation as a signal amplifier. Optica, 2015, 2, 757.	9.3	11
72	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

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73	Controlling Rogue Waves by Group-Velocity Horizons. , 2014, , .		0
74	Direct carrier-envelope phase control of a sub-MHz Yb amplifier. , 2014, , .		0
75	THG of ZnO nanorods for efficient third order interferometric FROG. , 2014, , .		0
76	Standards for ultrashort-laser-pulse-measurement techniques and their consideration for self-referenced spectral interferometry. Applied Optics, 2014, 53, D1.	1.8	35
77	Absorption recovery dynamics in 2Âµm GaSb-based SESAMs. Journal Physics D: Applied Physics, 2014, 47, 065102.	2.8	31
78	Characterization and application of chirped photonic crystal fiber in multiphoton imaging. Optics Express, 2014, 22, 10366.	3.4	11
79	Regularization of an autoconvolution problem in ultrashort laser pulse characterization. Inverse Problems in Science and Engineering, 2014, 22, 245-266.	1.2	23
80	Supercontinuum generation by multiple scatterings at a group velocity horizon. Optics Express, 2014, 22, 3866.	3.4	28
81	On the origin of flicker noise in carrier-envelope phase stabilization. Optics Letters, 2014, 39, 6989.	3.3	8
82	Carrier-envelope phase stabilization via acoustic frequency combs. , 2014, , .		0
83	Acoustic frequency combs for carrier-envelope phase stabilization. Optics Letters, 2014, 39, 544.	3.3	4
84	Ultrahigh precision nonlinear reflectivity measurement system for saturable absorber mirrors with self-referenced fluence characterization. Optics Letters, 2014, 39, 4384.	3.3	8
85	Imaging the impulsive alignment of noble-gas dimers via Coulomb explosion. Physical Review A, 2014, 89, .	2.5	8
86	Direct carrier-envelope phase control of an amplified laser system. Optics Letters, 2014, 39, 1669.	3.3	9
87	The coherent artifact in modern pulse measurements. Proceedings of SPIE, 2014, , .	0.8	0
88	Extending filamentation. Nature Photonics, 2014, 8, 271-273.	31.4	7
89	Rogue wave formation by accelerated solitons at an optical event horizon. Applied Physics B: Lasers and Optics, 2014, 115, 343-354.	2.2	29
90	Entering the mid-infrared. Nature Photonics, 2014, 8, 814-815.	31.4	26

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91	Adjustable pulse compression scheme for generation of few-cycle pulses in the midinfrared. Optics Letters, 2014, 39, 2735.	3.3	23
92	On the role of shot noise in carrierâ€envelope phase stabilization. Laser and Photonics Reviews, 2014, 8, 303-315.	8.7	20
93	GaSb-based SESAM Mode-Locked Tm,Ho:KLuW Laser at 2060 nm. , 2014, , .		1
94	The Coherent Artifact in Interferometric Pulse-Measurement Techniques. , 2014, , .		1
95	Rogue Events in the Atmospheric Turbulence of Multifilaments. , 2014, , .		0
96	Non-instantaneous polarization decay in dielectric media. , 2014, , .		0
97	Mid-IR Few-Cycle Pulse Generation by Two-Pulse Collision. , 2014, , .		0
98	Pulse-shape instabilities and their measurement. Laser and Photonics Reviews, 2013, 7, 557-565.	8.7	82
99	A study on the application of chirped photonic crystal fiber in multiphoton microscopy. Proceedings of SPIE, 2013, , .	0.8	0
100	Compressible Octave Spanning Supercontinuum Generation by Two-Pulse Collisions. Physical Review Letters, 2013, 110, 233901.	7.8	60
101	Spatiotemporal Rogue Events in Optical Multiple Filamentation. Physical Review Letters, 2013, 111, 243903.	7.8	93
102	Frustrated Tunnel Ionization of Noble Gas Dimers with Rydberg-Electron Shakeoff by Electron Charge Oscillation. Physical Review Letters, 2013, 110, 023001.	7.8	41
103	Carrier-Envelope Phase Stabilization. Springer Series in Chemical Physics, 2013, , 89-110.	0.2	2
104	Nanostructured fibers for sub-10 fs optical pulse delivery. Laser and Photonics Reviews, 2013, 7, 566-570.	8.7	5
105	The coherent artifact in modern pulse measurement. , 2013, , .		0
106	Compressible supercontinuum generation by two-color excitation in the group velocity horizon. , 2013, , .		0
107	Coherent Supercontinuum Generation in the Optical Event Horizon. , 2013, , .		1
108	Mode-locked VECSEL emitting 5Âps pulses at 675Ânm. Optics Letters, 2013, 38, 2289.	3.3	33

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109	First Measurement of the Non-instantaneous Response Time of a Ï‡(3)Nonlinear Optical Effect. EPJ Web of Conferences, 2013, 41, 12005.	0.3	2
110	Passively Mode-Locked Tm:YAG Ceramic Laser at 2 Î¼m. , 2013, , .		0
111	Rogue wave buster. , 2013, , .		0
112	Acoustic frequency combs for unconditionally stable long-term carrier-envelope phase stabilization. , 2013, , .		0
113	Agile linear interferometric method for carrier-envelope phase drift measurement. Optics Letters, 2012, 37, 836.	3.3	16
114	Saturation of the all-optical Kerr effect in solids. Optics Letters, 2012, 37, 1541.	3.3	37
115	Long-term carrier-envelope-phase-stable few-cycle pulses by use of the feed-forward method. Optics Letters, 2012, 37, 2076.	3.3	56
116	Coherent artifact in modern pulse measurements. Optics Letters, 2012, 37, 2874.	3.3	89
117	Passively mode-locked GaSb-based VECSELs emitting sub-400-fs pulses at 2 Î¼m. , 2012, , .		3
118	Mode-locking of solid-state lasers by single-walled carbon-nanotube based saturable absorbers. Quantum Electronics, 2012, 42, 663-670.	1.0	19
119	10-fs pulse delivery through a fiber. , 2012, , .		0
120	Generation of optical rogue waves by optical event horizons. , 2012, , .		0
121	Long-term CEP-stable high energy few-cycle pulses using the feed-forward method. Proceedings of SPIE, 2012, , .	0.8	0
122	Rogue events in the group velocity horizon. Scientific Reports, 2012, 2, 850.	3.3	79
123	GaSbâ€based semiconductor saturable absorber mirrors for modeâ€locking 2 Âµm semiconductor disk lasers. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 294-297.	0.8	23
124	Optimizing Singleâ€Walledâ€Carbonâ€Nanotubeâ€Based Saturable Absorbers for Ultrafast Lasers. Advanced Functional Materials, 2012, 22, 4369-4375.	14.9	11
125	Kramers-Kronig relations and high-order nonlinear susceptibilities. Physical Review A, 2012, 85, .	2.5	30
126	Non-instantaneity of Ï‡(3) nonlinear optical effects. , 2012, , .		1

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127	Saturation of the all-optical Kerr effect in solids. , 2012, , .		0
128	Self-Referenced Scheme for Direct Synthesis of Carrier-Envelope Phase Stable Pulses with Jitter below the Atomic Time Unit. Springer Proceedings in Physics, 2012, , 3-8.	0.2	0
129	Carrier-envelope phase double stabilization with eight attosecond residual timing jitter. , 2012, , .		1
130	First experimental evidence for a non-instantaneous lifetime of nonlinear optical Ï‡(3) effects. , 2012, , .		0
131	Self-compression of 120 fs pulses in a white-light filament. Journal of Optics (United Kingdom), 2011, 13, 055203.	2.2	8
132	Saturation of the All-Optical Kerr Effect. Physical Review Letters, 2011, 106, 183902.	7.8	102
133	Controlling Light by Light with an Optical Event Horizon. Physical Review Letters, 2011, 106, 163901.	7.8	171
134	Highly efficient THG in TiO_2 nanolayers for third-order pulse characterization. Optics Express, 2011, 19, 16985.	3.4	39
135	Hollow fiber for flexible sub-20-fs pulse delivery. Optics Letters, 2011, 36, 442.	3.3	8
136	Carrier-envelope phase stabilization with sub-10 as residual timing jitter. Optics Letters, 2011, 36, 4146.	3.3	57
137	Modulation instability in filamentary self-compression. Laser Physics, 2011, 21, 1313-1318.	1.2	9
138	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
139	Interferometric FROG for few-cycle pulse characterization and as an ultrafast spectroscopy tool. , 2011, , .		0
140	Quantum beat oscillations in the two-color-photoionization continuum of neon and their dependence on the intensity of the ionizing laser pulse. Physical Review A, 2011, 84, .	2.5	9
141	Filamentary pulse self-compression: The impact of the cell windows. Physical Review A, 2011, 83, .	2.5	10
142	Modelocked GaSb disk laser producing 384â€…fs pulses at 2â€…[micro sign]m wavelength. Electronics Letters, 2011, 47, 454.	1.0	51
143	Octave Spanning Ultra-Broadband Carbon Nanotube Saturable Absorber for Bulk Solid-State Lasers. , 2011, , .		1
144	Signatures of sub-Poissonian noise in the carrier-envelope phase jitter of highly stabilized mode-locked lasers. , 2011, , .		0

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145	430-fs pulses from a SESAM mode-locked GaSb disk laser emitting at 2 Âµm. , 2011, , .		0
146	Photonic fiber for flexible sub-20-fs pulse delivery. , 2010, , .		0
147	Direct feed-forward scheme for frequency combs with arbitrary offset and shot-noise limited phase noise. , 2010, , .		1
148	Self-diffraction SPIDER. , 2010, , .		3
149	Plasma induced pulse breaking in filamentary self-compression. Laser Physics, 2010, 20, 1107-1113.	1.2	14
150	Mechanisms underlying strong-field double ionization of argon dimers. Physical Review A, 2010, 82, .	2.5	49
151	Method for Computing the Nonlinear Refractive Index via Keldysh Theory. IEEE Journal of Quantum Electronics, 2010, 46, 433-437.	1.9	70
152	Boosting the Non Linear Optical Response of Carbon Nanotube Saturable Absorbers for Broadband Modeâ€Locking of Bulk Lasers. Advanced Functional Materials, 2010, 20, 1937-1943.	14.9	140
153	Direct frequency comb synthesis with arbitrary offset and shot-noise-limited phase noise. Nature Photonics, 2010, 4, 462-465.	31.4	207
154	Disentangling Carbon Nanotubes for Broadband sub-100 fs Optical Switching. , 2010, , .		0
155	Time-domain Optical Response Function Reconstruction of an Individual Plasmonic Nanostructure. , 2010, , .		0
156	Cascaded self-compression of femtosecond pulses in filaments. New Journal of Physics, 2010, 12, 093046.	2.9	15
157	Two-octave supercontinuum generation in a water-filled photonic crystal fiber. Optics Express, 2010, 18, 6230.	3.4	74
158	Mode locking of a Cr:YAG laser with carbon nanotubes. Optics Letters, 2010, 35, 2669.	3.3	33
159	Picosecond passively mode-locked GaSb-based semiconductor disk laser operating at 2Î¼m. Optics Letters, 2010, 35, 4090.	3.3	36
160	Few-Femtosecond Plasmon Dephasing of a Single Metallic Nanostructure from Optical Response Function Reconstruction by Interferometric Frequency Resolved Optical Gating. Nano Letters, 2010, 10, 2519-2524.	9.1	128
161	Chirped photonic crystal fibers break pulse-duration limits in femtosecond beam delivery. , 2010, , .		0
162	Double self-compression of femtosecond pulses in filaments. , 2010, , .		0

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163	Single-Walled Carbon Nanotube Saturable Absorber Mode-Locking of a Tm:KLuW Laser Near 2 Âµm. , 2010, , .		1
164	Few-femtosecond Time-domain Optical Response Function Reconstruction of a Plasmonic Nanostructure. , 2010, , .		0
165	On the origin of negative dispersion contributions in filamentary propagation. , 2010, , .		0
166	Carbon-nanotube mode-locked Cr: YAG laser. , 2010, , .		1
167	Ultra-Broadband (> 500 nm) Single-Walled Carbon Nanotube Saturable Absorber Mode-Locking of Bulk Solid-State Lasers. , 2010, , .		0
168	Self-healing of pulse compression in gas-cell-based filamentation experiments. , 2009, , .		0
169	Strong Laser Field Fragmentation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>: Coulomb Explosion without Double Ionization. Physical Review Letters, 2009, 102, 113002.	7.8	128
170	A chirped photonic crystal fiber for ultrashort laser pulse delivery. , 2009, , .		0
171	Ultrashort pulse generation in bulk solid-state lasers using carbon nanotube saturable absorbers. , 2009, , .		0
172	Isochronic control of the carrier-envelope phase-shift. , 2009, , .		0
173	Self-diffraction SPIDER. , 2009, , .		0
174	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
175	A linear optical method for measuring the carrier-envelope phase drift. Applied Physics B: Lasers and Optics, 2009, 95, 273-280.	2.2	2
176	Performance comparison of interferometer topologies forÂcarrier-envelope phase detection. Applied Physics B: Lasers and Optics, 2009, 95, 81-84.	2.2	20
177	Isochronic and isodispersive carrier-envelope phase-shift compensators. Applied Physics B: Lasers and Optics, 2009, 97, 575-581.	2.2	8
178	Asymptotic pulse shapes in filamentary propagation of intense femtosecond pulses. Laser Physics, 2009, 19, 330-335.	1.2	3
179	Synthesized femtosecond laser pulse source for two-wavelength contouring with simultaneously recorded digital holograms. Optics Express, 2009, 17, 2686.	3.4	25
180	Passive mode-locking of a Tm-doped bulk laser near 2 Î¼m using a carbon nanotube saturable absorber. Optics Express, 2009, 17, 11007.	3.4	163

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181	Self-pinching of pulsed laser beams during filamentary propagation. Optics Express, 2009, 17, 16429.	3.4	18
182	Sub-100 fs single-walled carbon nanotube saturable absorber mode-locked Yb-laser operation near 1 Âµm. Optics Express, 2009, 17, 20109.	3.4	63
183	Guiding Properties of Chirped Photonic Crystal Fibers. Journal of Lightwave Technology, 2009, 27, 1698-1706.	4.6	8
184	Self-recompression of laser filaments exiting a gas cell. Physical Review A, 2009, 79, .	2.5	27
185	Carrier-envelope phase stabilization of amplified pulses using an all-electronic servo loop. , 2009, , .		0
186	A chirped photonic crystal fiber for high-fidelity guiding of sub-100 fs pluses.. , 2009, , .		0
187	Isochronic control of the carrier-envelope phase-shift. , 2009, , .		0
188	Characteristics of Carbon Nanotube Saturable Absorbers for Solid-State Laser Mode-Locking near 1.25 Âµm. , 2009, , .		0
189	Few-Femtosecond Electronic Dephasing of an Individual Plasmonic Nanostructure Using Interferometric FROG. , 2009, , .		0
190	A chirped photonic-crystal fibre. Nature Photonics, 2008, 2, 679-683.	31.4	70
191	Fabrication and characterization of ultrafast carbon nanotube saturable absorbers for solid-state laser mode locking near 1Î¼m. Applied Physics Letters, 2008, 93, .	3.3	97
192	Passive mode locking of Yb:KLuW using a single-walled carbon nanotube saturable absorber. Optics Letters, 2008, 33, 729.	3.3	162
193	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
194	Isochronic carrier-envelope phase-shift compensator. Optics Letters, 2008, 33, 2704.	3.3	12
195	Ultrashort-pulsed truncated polychromatic Bessel-Gauss beams. Optics Express, 2008, 16, 1077.	3.4	38
196	Temporal Self-Restoration of Compressed Optical Filaments. Physical Review Letters, 2008, 101, 213901.	7.8	43
197	Numerical fringe pattern demodulation strategies in interferometry. Review of Scientific Instruments, 2008, 79, 073102.	1.3	6
198	Common-path interferometer for incorruptible detection of the carrier-envelope phase drift. , 2008, , .		1

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199	Spatio-temporally induced pulse self-compression in a white-light filament. , 2007, , .		0
200	Bandwidth-independent linear method for detection of the carrier-envelope offset phase. Optics Letters, 2007, 32, 3095.	3.3	29
201	A fast Gabor wavelet transform for high-precision phase retrieval in spectral interferometry. Optics Express, 2007, 15, 14313.	3.4	19
202	Resonant Saturable Absorber Mirrors for Dispersion Control in Ultrafast Lasers. IEEE Journal of Quantum Electronics, 2007, 43, 174-181.	1.9	17
203	Ultrashort-pulse dual-wavelength source for digital holographic two-wavelength contouring. Applied Physics B: Lasers and Optics, 2007, 89, 513-516.	2.2	14
204	Chirped mirrors without dispersion oscillations by Brewsterâ€™s angle incidence. Springer Series in Chemical Physics, 2007, , 163-165.	0.2	0
205	Optimizing spectral phase interferometry for direct electric-field reconstruction. Review of Scientific Instruments, 2006, 77, 073105.	1.3	36
206	Self-compression of millijoule pulses to 78 fs duration in a white-light filament. Optics Letters, 2006, 31, 274.	3.3	221
207	Sub-10 fs pulse characterization using spatially encoded arrangement for spectral phase interferometry for direct electric field reconstruction. Optics Letters, 2006, 31, 1914.	3.3	84
208	Brewster-angled chirped mirrors for broadband pulse compression without dispersion oscillations. Optics Letters, 2006, 31, 2220.	3.3	48
209	Analytical relation between effective mode field area and waveguide dispersion in microstructure fibers. Optics Letters, 2006, 31, 3249.	3.3	8
210	Femtosecond dispersion compensation with multilayer coatings: toward the optical octave. Applied Optics, 2006, 45, 1484.	2.1	54
211	Terahertz meets attoscience. Nature Physics, 2006, 2, 305-306.	16.7	3
212	Self-compression by femtosecond pulse filamentation: Experiments versus numerical simulations. Physical Review E, 2006, 74, 056604.	2.1	144
213	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
214	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
215	Ultrafast dynamics of surface plasmon polaritons in plasmonic metamaterials. Applied Physics B: Lasers and Optics, 2006, 84, 183-189.	2.2	22
216	Structures of interferometric frequency-resolved optical gating. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 286-296.	2.9	16

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