

Christophe Dorrer

List of Publications by Year in descending order

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276
papers

5,786
citations

81900

39
h-index

88630

70
g-index

280
all docs

280
docs citations

280
times ranked

3761
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral and temporal shaping of spectrally incoherent pulses in the infrared and ultraviolet. Optics Express, 2022, 30, 4942.	3.4	13
2	Effect of the pump beam profile and wavefront on the amplified signal wavefront in optical parametric amplifiers. Optics Express, 2022, 30, 12995.	3.4	5
3	Morphology and waveguiding properties of ultrafast-laser-inscribed type-II waveguides in IG2. Optical Materials Express, 2022, 12, 360.	3.0	6
4	Direct-drive laser fusion: status, plans and future. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200011.	3.4	20
5	MTW-OPAL – A Technology Development Platform for Ultra-Intense All-OPCPA Systems. , 2021, , .		0
6	Analysis of Pump-to-Signal Noise Transfer in Multi-Stage OPCPA. , 2021, , .		0
7	Effect of Pump Beam on the Amplified Signal Wavefront in DKDP Optical Parametric Amplification. , 2021, , .		0
8	Broadband Sum-Frequency Generation in a Novel Angularly Dispersed Noncollinear Geometry. , 2021, , .		0
9	Characterization of partially deuterated KDP crystals using two-wavelength phase-matching angles. Optical Materials Express, 2021, 11, 774.	3.0	13
10	A highly efficient, 10-J output signal amplifier for ultra-intense all-OPCPA systems. , 2021, , .		3
11	Broadband sum-frequency generation of spectrally incoherent pulses. Optics Express, 2021, 29, 16135.	3.4	23
12	Microcoulomb ($0.7 \text{ \AA} \pm \frac{0.4}{0.2} \text{ \AA}$) laser plasma accelerator on OMEGA EP. Scientific Reports, 2021, 11, 7498.	3.3	17
13	Technology Development for Ultra-Intense OPCPA Systems. , 2021, , .		1
14	Optical parametric amplification of spectrally incoherent pulses. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 792.	2.1	9
15	MTW-OPAL: a technology development platform for ultra-intense optical parametric chirped-pulse amplification systems. High Power Laser Science and Engineering, 2021, 9, .	4.6	30
16	Telephoto-lens-based Optical Differentiation Wavefront Sensor for freeform metrology. Optics Express, 2021, 29, 38395.	3.4	7
17	Analysis of pump-to-signal noise transfer in two-stage ultra-broadband optical parametric chirped-pulse amplification. Optics Express, 2021, 29, 40240-40258.	3.4	1
18	Advanced laser development and plasma-physics studies on the multiterawatt laser. Applied Optics, 2021, 60, 11104.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Telephoto-Based Optical Differentiation Wavefront Sensor and Alignment Tolerance for Freeform Metrology. , 2021, , .		0
20	Versatile Spectral Shaping of Spectrally Incoherent Pulses in the IR and UV. , 2021, , .		0
21	Parametric Amplification of Spectrally Incoherent Signals. , 2021, , .		0
22	Impact of the Langdon effect on crossed-beam energy transfer. Nature Physics, 2020, 16, 181-185.	16.7	37
23	High-energy parametric amplification of spectrally incoherent broadband pulses. Optics Express, 2020, 28, 451.	3.4	34
24	Ultrafast-Laser-Enabled Microwelding and Waveguide Inscription for Optics and Laser Fabrication. , 2020, , .		0
25	Record-Bandwidth, Spectrally Incoherent UV Laser Pulses. , 2020, , .		1
26	Full-energy, vacuum-compatible, single-shot pulse characterization method for petawatt-level ultra-broad bandwidth lasers using spatial sampling. EPJ Web of Conferences, 2020, 243, 13001.	0.3	1
27	High-Dynamic Range, High-Resolution Freeform Metrology with Optical Differentiation Wavefront Sensing. , 2020, , .		0
28	High-Efficiency Parametric Amplification of Broadband Spectrally Incoherent Pulses. , 2020, , .		1
29	Broadband parametric-gain optimization of partially deuterated KDP with two-wavelength tuning curves. , 2020, , .		0
30	Nonlinear Optical Dynamics in Femtosecond Laser Processing of Nd:YAG Waveguides. , 2019, , .		0
31	Pulse-Propagation Modeling and Experiment for Femtosecond-Laser Writing of Waveguide in Nd:YAG. Crystals, 2019, 9, 434.	2.2	18
32	The Dynamic Compression Sector laser: A 100-J UV laser for dynamic compression research. Review of Scientific Instruments, 2019, 90, 053001.	1.3	13
33	Thresholds of absolute instabilities driven by a broadband laser. Physics of Plasmas, 2019, 26, .	1.9	51
34	Technology development for ultraintense all-OPCPA systems. High Power Laser Science and Engineering, 2019, 7, .	4.6	101
35	Spatiotemporal Metrology of Broadband Optical Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-16.	2.9	37
36	Tunable UV upgrade on OMEGA EP. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
37	Integrated photonics for NASA applications. , 2019, , .		11
38	Simulation of grating compressor misalignment tolerances and mitigation strategies for chirped-pulseâ€“amplification systems of varying bandwidths and beam sizes. Applied Optics, 2019, 58, 234.	1.8	14
39	Absolute linear-in-k spectrometer designs enabled by freeform optics. Optics Express, 2019, 27, 34593.	3.4	19
40	High-performance optical differentiation wavefront sensing towards freeform metrology. Optics Express, 2019, 27, 36297.	3.4	8
41	Stable Low-Repetition-Rate Time-Lens Picosecond Seed Source. IEEE Photonics Technology Letters, 2018, 30, 1854-1857.	2.5	0
42	Investigation of an apodized imaged Hartmann wavefront sensor. Applied Optics, 2018, 57, 7266.	1.8	2
43	Investigation of focusing and correcting aberrations with binary amplitude and polarization modulation. Applied Optics, 2018, 57, 763.	1.8	3
44	Chromatic diversity: a new approach for characterizing spatiotemporal coupling of ultrashort pulses. Optics Express, 2018, 26, 8767.	3.4	8
45	Spatio-spectral characterization of broadband fields using multispectral imaging. Optics Express, 2018, 26, 33387.	3.4	16
46	Spectrally tunable, temporally shaped parametric front end to seed high-energy laser systems. , 2018, , .		0
47	Multispectral Wavefront Sensing for Characterizing Spatiotemporal Coupling in Ultrashort Pulses. , 2018, , .		0
48	Improved Spatially Dithered Beam Shapers Using Direct Binary Search. , 2018, , .		0
49	Characterization of Spatiotemporal Coupling with a Hyperspectral Hartmann Wavefront Sensor. , 2018, , .		0
50	Single-shot temporal characterization of kilojoule-level, picosecond pulses on OMEGA EP. , 2018, , .		1
51	Direct binary search for improved coherent beam shaping and optical differentiation wavefront sensing. Applied Optics, 2018, 57, 8557.	1.8	4
52	Characterization and Optimization of an Eight-Channel Time-Multiplexed Pulse-Shaping System. Journal of Lightwave Technology, 2017, 35, 173-185.	4.6	6
53	100 J UV glass laser for dynamic compression research. , 2017, , .		0
54	Model-based optimization of near-field binary-pixelated beam shapers. Applied Optics, 2017, 56, 806.	2.1	8

#	ARTICLE	IF	CITATIONS
55	Spectrally tunable, temporally shaped parametric front end to seed high-energy Nd:glass laser systems. <i>Optics Express</i> , 2017, 25, 26802.	3.4	6
56	Two-Dimensional Characterization of Spatiotemporal Coupling of Ultrashort Pulses Based on Chromatic Diversity. , 2017, , .		0
57	Measuring wavefront by optical differentiation with binary pixelated filters. , 2017, , .		0
58	High-Accuracy, Model-Based Near-Field Beam Shaping. , 2017, , .		0
59	Two-dimensional single-shot characterization of spatiotemporal coupling of ultrashort pulses using chromatic diversity. , 2017, , .		0
60	An Apodized-Imaged Hartmann Mask for Quantitative Wavefront Measurements in Laser Systems. , 2017, , .		1
61	Focal-Spot Optimization by Polarization Modulation. , 2016, , .		0
62	Optical smoothing of laser imprinting in planar-target experiments on OMEGA EP using multi-FM 1-D smoothing by spectral dispersion. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	9
63	100-J UV laser for dynamic compression research. , 2016, , .		0
64	Direct optical measurement of the on-shot incoherent focal spot and intensity contrast on the OMEGA EP laser. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	10
65	Optical differentiation wavefront sensing with binary pixelated transmission filters. <i>Optics Express</i> , 2016, 24, 9266.	3.4	19
66	Development of an optical differentiation wavefront sensor based on binary pixelated transmission filters. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
67	Two-photon laser-assisted device alteration in CMOS integrated circuits using linearly, circularly and radially polarized light. <i>Microelectronics Reliability</i> , 2016, 60, 62-66.	1.7	2
68	Performance measurements on NIF beamlines for future experiments to support polar direct drive. <i>Journal of Physics: Conference Series</i> , 2016, 717, 012088.	0.4	2
69	Chromatic-aberration diagnostic based on a spectrally resolved lateral-shearing interferometer. <i>Applied Optics</i> , 2016, 55, 2413.	2.1	10
70	Single-shot, high-resolution, fiber-based phase-diversity photodetection of optical pulses. , 2016, , .		0
71	Optical Differentiation Wavefront Sensing for Freeform Optics Metrology. , 2016, , .		2
72	Optical Differentiation Wavefront Sensing for Astronomy and Vision Applications. , 2016, , .		1

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73	Wavefront-Aberration Correction Using Binary Amplitude and Polarization Modulation. , 2016, , .		0
74	Single-Shot Characterization of Picosecond Optical Pulses by Spectral Phase Diversity. , 2016, , .		0
75	High-Contrast Time-Multiplexed Pulse-Shaping Systems. , 2016, , .		0
76	Two-photon laser-assisted device alteration in CMOS integrated circuits using linearly, circularly and radially polarized light. , 2016, , .		0
77	Performance of an Optical Differentiation Wavefront Sensor based on Binary Pixelated Transmission Filters. , 2016, , .		0
78	OPCPA front end and contrast optimization for the OMEGA EP kilojoule, picosecond laser. Journal of Optics (United Kingdom), 2015, 17, 094007.	2.2	42
79	Twisted-Nematic Liquid Crystal Polarization Rotators for Broadband Laser Applications. , 2015, , .		1
80	Temporal-contrast measurements of a white-light-seeded noncollinear optical parametric amplifier. Journal of Optics (United Kingdom), 2015, 17, 094006.	2.2	1
81	Single-shot high-resolution characterization of optical pulses by spectral phase diversity. Optics Express, 2015, 23, 33116.	3.4	5
82	Performance Analysis of an Optical Differentiation Wavefront Sensor and its Applications to the Metrology of Freeform Optics. , 2015, , .		0
83	Optical differentiation wavefront sensor based on binary pixelated transmission filters. , 2015, , .		0
84	High-resolution subsurface microscopy of CMOS integrated circuits using radially polarized light. Optics Letters, 2015, 40, 5502.	3.3	13
85	The multiple-pulse driver line on the OMEGA laser. Proceedings of SPIE, 2015, , .	0.8	2
86	High-resolution sub-surface microscopy of CMOS integrated circuits using radially polarized light. , 2015, , .		0
87	Optical differentiation wavefront sensor based on binary pixelated transmission filters. , 2015, , .		0
88	A Spectrally Resolved Lateral-Shearing Interferometer for Measurement of Relative Group Delay Using a Periodic Entrance Slit in a Spectrometer. , 2015, , .		0
89	A Time-Multiplexed Pulse-Shaping System for Generating Multiple High-Bandwidth, Low-Jitter Optical Waveforms. , 2015, , .		0
90	Single-shot characterization of optical pulses below the resolution limit by phase-diversified photodetection. , 2015, , .		0

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91	Pump-to-Signal Spatial Modulation Transfer in Noncollinear Optical Parametric Amplifiers. , 2014, , .		0
92	Self-phase modulation compensation in a regenerative amplifier using cascaded second-order nonlinearities. Optics Letters, 2014, 39, 4466.	3.3	17
93	Plasma-ion-assisted coatings for 15 femtosecond laser systems. Applied Optics, 2014, 53, A221.	1.8	28
94	Spectral and temporal properties of optical signals with multiple sinusoidal phase modulations. Applied Optics, 2014, 53, 1007.	1.8	7
95	Analysis of nonlinear optical propagation in a longitudinal deuterated potassium dihydrogen phosphate Pockels cell. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1891.	2.1	4
96	A White-Light-Seeded Front End for Ultra-Intense Optical Parametric Chirped-Pulse Amplification. , 2014, , .		0
97	Self-Phase Modulation Compensation in a Regenerative Amplifier Using Cascaded Second-Order Nonlinearities. , 2014, , .		0
98	Spectral and Temporal Properties of Optical Signals with Multiple Sinusoidal Phase Modulations. , 2014, , .		0
99	Simulations of the propagation of multiple-FM smoothing by spectral dispersion on OMEGA EP. Proceedings of SPIE, 2013, , .	0.8	8
100	Analysis of Pulse Replicators for High-Bandwidth, High-Dynamic-Range, Single-Shot Optical Characterization. Journal of Lightwave Technology, 2013, 31, 1374-1382.	4.6	3
101	Fiber Front End With Multiple Phase Modulations and High-Bandwidth Pulse Shaping for High-Energy Laser-Beam Smoothing. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 219-230.	2.9	19
102	Noncollinear Optical Parametric Amplifiers for Ultra-Intense Lasers. , 2013, , .		0
103	Analysis of the chromaticity of near-field binary beam shapers. Applied Optics, 2013, 52, 3368.	1.8	9
104	Commissioning of a multiple-frequency modulation smoothing by spectral dispersion demonstration system on OMEGA EP. Proceedings of SPIE, 2013, , .	0.8	8
105	Wavefront Sensing Using a Checkerboard Amplitude Mask. , 2013, , .		2
106	Characterization of Highly Dispersive Components Using Direct Instantaneous Frequency Measurements. , 2013, , .		0
107	Plasma-Ion-Assisted Coatings for 15-fs Laser Systems. , 2013, , .		1
108	Temporal contrast degradation at the focus of ultrafast pulses from high-frequency spectral phase modulation. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1125.	2.1	43

#	ARTICLE	IF	CITATIONS
109	Parasitic processes in optical parametric amplifiers. , 2012, , .		0
110	A Front End for Ultra-Intense Optical Parametric Chirped-Pulse Amplification. , 2012, , .		1
111	A front end for ultra-intense OPCPA. , 2012, , .		5
112	A cylindrical Å–ffner stretcher for reduced chromatic aberrations and improved temporal contrast. , 2012, , .		2
113	BAND-LIMITED CORONAGRAPHS USING A HALFTONE-DOT PROCESS. II. ADVANCES AND LABORATORY RESULTS FOR ARBITRARY TELESCOPE APERTURES. Astrophysical Journal, 2012, 744, 79.	4.5	0
114	Photo-aligned liquid crystal devices for high-peak-power laser applications. , 2012, , .		3
115	A multi-wavelength, variable-pulse-width, diode-pumped laser system. Proceedings of SPIE, 2012, , .	0.8	1
116	Fiber Front End for an OMEGA EP Demonstration of Beam-Smoothing Techniques for NIF Polar-Drive Ignition. , 2012, , .		1
117	High-Damage-Threshold Beam Shaping Using Optically Patterned Liquid Crystal Devices. , 2012, , .		0
118	Temporal contrast degradation at the focus of ultrashort pulses from high-frequency spectral phase noise. , 2012, , .		0
119	High-damage-threshold components for radially and azimuthally polarized beam generation. , 2012, , .		0
120	Broadband Operation of High-Damage-Threshold Phase and Polarization Binary Beam Shapers. , 2012, , .		0
121	Scaling hot-electron generation to long-pulse, high-intensity laser–solid interactions. Physics of Plasmas, 2011, 18, 056703.	1.9	15
122	Initial cone-in-shell fast-ignition experiments on OMEGA. Physics of Plasmas, 2011, 18, .	1.9	82
123	Characterization and optimization of Yb-doped photonic-crystal fiber rod amplifiers using spatially resolved spectral interferometry. Applied Optics, 2011, 50, 2001.	2.1	12
124	Analysis and suppression of parasitic processes in noncollinear optical parametric amplifiers. Optics Express, 2011, 19, 16797.	3.4	50
125	High-damage-threshold static laser beam shaping using optically patterned liquid-crystal devices. Optics Letters, 2011, 36, 4035.	3.3	30
126	Halftoning for high-contrast imaging. EPJ Web of Conferences, 2011, 16, 03003.	0.3	0

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127	Characterization of a High-Contrast Front-End Prototype for the Omega EP Laser Facility. , 2011, , .		1
128	Direct Estimation of the Intensity Contrast of High-Energy Laser Pulses. , 2011, , .		0
129	Liquid crystal beam shaping devices employing patterned photoalignment layers for high-peak-power laser applications. Proceedings of SPIE, 2011, , .	0.8	2
130	Laboratory comparison of coronagraphic concepts under dynamical seeing and high-order adaptive optics correction. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2112-2124.	4.4	25
131	Temporal Contrast Measurements of a Noncollinear Optical Parametric Amplifier Seeded by White-Light Continuum. , 2011, , .		1
132	Gemini Planet Imager coronagraph testbed results. Proceedings of SPIE, 2010, , .	0.8	17
133	Half-toning for high-contrast imaging: design, analysis, and testing of microdot coronagraphs for the SPHERE and EPICS instruments. Proceedings of SPIE, 2010, , .	0.8	0
134	Design, analysis, and testing of a microdot apodizer for the apodized pupil Lyot coronagraph. Astronomy and Astrophysics, 2010, 520, A110.	5.1	8
135	Performance of and initial results from the OMEGA EP Laser System. Journal of Physics: Conference Series, 2010, 244, 032010.	0.4	30
136	Scaling Hot-Electron Generation to High-Power, Kilojoule-Class Laser-Solid Interactions. Physical Review Letters, 2010, 105, 235001.	7.8	49
137	Optically Patterned Liquid Crystal Devices for High-Resolution Beam Shaping. , 2010, , .		0
138	High-sensitivity optical pulse characterization using Sagnac electro-optic spectral shearing interferometry. Optics Letters, 2010, 35, 1353.	3.3	9
139	Angular-dispersion-induced spatiotemporal aberrations in noncollinear optical parametric amplifiers. Optics Letters, 2010, 35, 2251.	3.3	33
140	High-Resolution Spatio-Spectral Characterization of Noncollinear Optical Parametric Amplifiers. , 2010, , .		0
141	Contrast Measurements of Kilojoule Laser Pulses at the Omega EP Laser Facility. , 2010, , .		0
142	Optical performance monitoring based on linear optical sampling. , 2010, , 193-221.		0
143	Two-beam SPIDER for dual-pulse single-shot characterization. , 2010, , .		0
144	Novel Laser and Diagnostic Technologies for the OMEGA EP High-Energy Petawatt Laser. The Review of Laser Engineering, 2009, 37, 437-442.	0.0	6

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145	Design, analysis, and testing of a microdot apodizer for the apodized pupil Lyot coronagraph. <i>Astronomy and Astrophysics</i> , 2009, 500, 1281-1285.	5.1	27
146	BAND-LIMITED CORONAGRAPHS USING A HALFTONE DOT PROCESS: DESIGN GUIDELINES, MANUFACTURING, AND LABORATORY RESULTS. <i>Astrophysical Journal</i> , 2009, 705, 1637-1645.	4.5	8
147	Signal analyser on an optical chip. <i>Nature Photonics</i> , 2009, 3, 136-137.	31.4	2
148	High-damage-threshold beam shaping using binary phase plates. <i>Optics Letters</i> , 2009, 34, 2330.	3.3	25
149	Two-beam SPIDER for dual-pulse single-shot characterization. <i>Optics Letters</i> , 2009, 34, 3415.	3.3	17
150	Statistical analysis of incoherent pulse shaping. <i>Optics Express</i> , 2009, 17, 3341.	3.4	41
151	Characterization of ultrashort electromagnetic pulses. <i>Advances in Optics and Photonics</i> , 2009, 1, 308.	25.5	404
152	The Gemini Planet Imager coronagraph testbed. <i>Proceedings of SPIE</i> , 2009, , .	0.8	9
153	Calibrating IR optical densities for the Gemini Planet Imager extreme adaptive optics coronagraph apodizers. <i>Proceedings of SPIE</i> , 2009, , .	0.8	7
154	Design, analysis, and testing of a microdot apodizer for the Apodized Pupil Lyot Coronagraph. <i>Astronomy and Astrophysics</i> , 2009, 495, 363-370.	5.1	66
155	Optimizing injection into large-mode-area photonic crystal-fiber amplifiers by spatially resolved spectral interferometry. , 2009, , .		3
156	Ultrafast Pulse Characterization of Semiconductor Single-Section Fabry-Perot Mode-Locked Lasers. , 2009, , .		1
157	Statistical Analysis of Incoherent Pulse Shaping. , 2009, , .		0
158	Near-Field Intensity Shaping with Binary Phase Plates. , 2009, , .		0
159	Signal Reconstruction Techniques for Optical Pulse Characterization. , 2009, , .		0
160	Simple High-Sensitivity, Electro-Optic Sagnac Spectral Shearing Interferometry for Short Optical Pulse Characterization. , 2009, , .		0
161	Characterization of the Dynamical Processes in All-Optical Signal Processing Using Semiconductor Optical Amplifiers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 758-769.	2.9	46
162	Linear self-referencing techniques for short-optical-pulse characterization [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, A1.	2.1	37

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163	Impact of high-frequency spectral phase modulation on the temporal profile of short optical pulses. Optics Express, 2008, 16, 3058.	3.4	42
164	Effect of jitter on linear pulse-characterization techniques. Optics Express, 2008, 16, 6567.	3.4	4
165	A hybrid electroabsorption modulator device for generation of high spectral-efficiency optical modulation formats. Optics Express, 2008, 16, 8480.	3.4	53
166	High-dynamic-range single-shot cross-correlator based on an optical pulse replicator. Optics Express, 2008, 16, 13534.	3.4	45
167	Phase and Lyot-type coronagraphs for the High Order Testbench: prototyping and first laboratory results. Proceedings of SPIE, 2008, , .	0.8	2
168	OMEGA EP high-energy petawatt laser: progress and prospects. Journal of Physics: Conference Series, 2008, 112, 032007.	0.4	62
169	Extreme-contrast front end for high-power laser systems. , 2008, , .		0
170	High-dynamic-range, single-shot cross-correlator using a pulse replicator. , 2008, , .		0
171	Effect of jitter on linear self-referencing pulse-characterization techniques. , 2008, , .		0
172	The OMEGA EP high-energy, short-pulse Laser System. , 2008, , .		1
173	ASE suppression in a diode-pumped Nd:YLF regenerative amplifier using a volume Bragg grating. , 2007, , LTuB4.		0
174	Suppression of Optical Parametric Generation in the High-Efficient OPCPA System. , 2007, , WD3.		1
175	Pulse Shaping Using Binary Sequences Designed with Error Diffusion. , 2007, , .		0
176	Characterization of High-Frequency Surface Modulation Using the Transport-of-Intensity Equation. , 2007, , .		1
177	High-contrast optical-parametric amplifier as a front end of high-power laser systems. Optics Letters, 2007, 32, 2143.	3.3	100
178	Optical parametric chirped-pulse-amplification contrast enhancement by regenerative pump spectral filtering. Optics Letters, 2007, 32, 2378.	3.3	17
179	Method of optical pulse characterization using sinusoidal optical phase modulations. Optics Letters, 2007, 32, 2538.	3.3	16
180	Design and analysis of binary beam shapers using error diffusion. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1268.	2.1	101

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181	Analysis of pump-induced temporal contrast degradation in optical parametric chirped-pulse amplification. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 3048.	2.1	20
182	Optical testing using the transport-of-intensity equation. <i>Optics Express</i> , 2007, 15, 7165.	3.4	53
183	Spectral filtering in a diode-pumped Nd:YLF regenerative amplifier using a volume Bragg grating. <i>Optics Express</i> , 2007, 15, 8197.	3.4	17
184	High-speed characterization for optical telecommunication signals. , 2007, , .		0
185	Linear and nonlinear performance of 42.7-Gb/s single-polarization RZ-DQPSK format. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 883-885.	2.5	29
186	Single-shot measurement of the electric field of optical waveforms by use of time magnification and heterodyning. <i>Optics Letters</i> , 2006, 31, 540.	3.3	30
187	Highly sensitive, single-shot characterization for pulse widths from 04 to 85 ps using electro-optic shearing interferometry. <i>Optics Letters</i> , 2006, 31, 3523.	3.3	28
188	Monitoring of optical signals from constellation diagrams measured with linear optical sampling. <i>Journal of Lightwave Technology</i> , 2006, 24, 313-321.	4.6	39
189	107-gb/s optical signal generation using electronic time-division multiplexing. <i>Journal of Lightwave Technology</i> , 2006, 24, 3107-3113.	4.6	57
190	High-speed measurements for optical telecommunication systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006, 12, 843-858.	2.9	72
191	Measurement of nonlinear temporal phase shifts using spectral Foucault technique. <i>Electronics Letters</i> , 2006, 42, 649.	1.0	4
192	Novel method of optical pulse characterization using sinusoidal optical phase modulations. , 2006, , .		2
193	Design and analysis of beam apodizers using error diffusion. , 2006, , .		0
194	Single-shot measurement of the electric field of optical sources using time magnification and heterodyning. , 2006, , .		1
195	New and Improved Technologies for the OMEGA EP High-Energy Petawatt Laser. , 2006, , .		0
196	Optical noise estimation using direct measurement of constellation diagrams by linear optical sampling. , 2005, , .		1
197	Concepts for the Temporal Characterization of Short Optical Pulses. <i>Eurasip Journal on Advances in Signal Processing</i> , 2005, 2005, 1.	1.7	20
198	Investigation of the spectrogram technique for the characterization of picosecond optical pulses. , 2005, , .		2

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199	Characterizing space-time coupling of the electric field of ultrashort pulses using the SPIDER technique. , 2005, , .		0
200	Direct measurement of nonlinear coefficient of optical fibre using linear optical sampling. Electronics Letters, 2005, 41, 8.	1.0	12
201	MEASUREMENT OF THE INTENSITY-DEPENDENT REFRACTIVE INDEX USING COMPLETE SPATIO-TEMPORAL PULSE CHARACTERIZATION. Journal of Nonlinear Optical Physics and Materials, 2005, 14, 9-20.	1.8	3
202	Sampling of optical waveforms using linear optics. , 2005, , .		2
203	Investigation of 42.7-Gb/s quadrature phase-shift keying (QPSK) signals using linear optical sampling. , 2005, , .		7
204	Measurement of eye diagrams and constellation diagrams of optical sources using linear optics and waveguide technology. Journal of Lightwave Technology, 2005, 23, 178-186.	4.6	103
205	Interferometric technique for measuring broadband ultrashort pulses at the sampling limit. Optics Letters, 2005, 30, 326.	3.3	108
206	Highly sensitive differential tomographic technique for real-time ultrashort pulse characterization. Optics Letters, 2005, 30, 1545.	3.3	16
207	Complete characterization of periodic optical sources by use of sampled test-plus-reference interferometry. Optics Letters, 2005, 30, 2022.	3.3	11
208	Characterization of nonlinear phase shifts by use of the temporal transport-of-intensity equation. Optics Letters, 2005, 30, 3237.	3.3	23
209	Interferometric techniques for the characterization of temporal modulators. IEEE Photonics Technology Letters, 2005, 17, 2688-2690.	2.5	8
210	Concepts and techniques for short optical pulse characterization. , 2004, , .		0
211	Efficient optical implementation of the Bernstein-Vazirani algorithm. Physical Review A, 2004, 69, .	2.5	9
212	Real-Time Implementation of Linear Spectrograms for the Characterization of High Bit-Rate Optical Pulse Trains. IEEE Photonics Technology Letters, 2004, 16, 858-860.	2.5	35
213	Chirped Return-to-Zero Modulation by Imbalanced Pulse Carver Driving Signals. IEEE Photonics Technology Letters, 2004, 16, 1379-1381.	2.5	40
214	Self-referencing dispersion characterization of multimode structures using direct instantaneous frequency measurement. IEEE Photonics Technology Letters, 2004, 16, 1700-1702.	2.5	10
215	Noise Monitoring of Optical Signals Using RF Spectrum Analysis and Its Application to Phase-Shift-Keyed Signals. IEEE Photonics Technology Letters, 2004, 16, 1781-1783.	2.5	30
216	All-optical XOR operation of 40â€¦Gbitâ€¦s phase-shift-keyed data using four-wave mixing in semiconductor optical amplifier. Electronics Letters, 2004, 40, 496.	1.0	25

#	ARTICLE	IF	CITATIONS
217	Polarization-mode dispersion of a circulating loop. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 243.	2.1	1
218	Temporal van Cittert-Zernike theorem and its application to the measurement of chromatic dispersion. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1417.	2.1	51
219	RF Spectrum Analysis of Optical Signals Using Nonlinear Optics. Journal of Lightwave Technology, 2004, 22, 266-274.	4.6	110
220	Chromatic dispersion characterization by direct instantaneous frequency measurement. Optics Letters, 2004, 29, 204.	3.3	29
221	New techniques for high-speed characterization in the telecommunication environment. , 2004, , .		0
222	Implementations of alternate-polarisation differential-phase-shift-keying transmission. Electronics Letters, 2004, 40, 333.	1.0	12
223	Characterization of Attosecond Electromagnetic Pulses. Springer Series in Optical Sciences, 2004, , 285-291.	0.7	0
224	Linear optical sampling. IEEE Photonics Technology Letters, 2003, 15, 1746-1748.	2.5	135
225	Highly sensitive direct characterization of femtosecond pulses by electro-optic spectral shearing interferometry. Optics Letters, 2003, 28, 477.	3.3	66
226	Direct measurement of the spatial Wigner function with area-integrated detection. Optics Letters, 2003, 28, 1317.	3.3	53
227	Complete temporal characterization of short optical pulses by simplified chronocyclic tomography. Optics Letters, 2003, 28, 1481.	3.3	155
228	Implementation of electro-optic spectral shearing interferometry for ultrashort pulse characterization. Optics Letters, 2003, 28, 2264.	3.3	30
229	Comment on: Novel method for ultrashort laser pulse-width measurement based on the selfdiffraction effect. Optics Express, 2003, 11, 79.	3.4	4
230	800 GHz RF spectrum analyzer for optical signals. , 2003, , .		0
231	Ultra-high bandwidth RF spectrum analyser for optical signals. Electronics Letters, 2003, 39, 1004.	1.0	8
232	Quantum oracles and the optical Bernstein-Vazirani algorithm. , 2003, 4829, 618.		0
233	Joint Quantum Measurement Using Fourier-Transform Spectral Interferometry. Springer Series in Chemical Physics, 2003, , 235-237.	0.2	0
234	New techniques for optical pulse characterization. , 2003, , .		0

#	ARTICLE	IF	CITATIONS
235	Direct space-time characterization of the electric fields of ultrashort optical pulses. Optics Letters, 2002, 27, 548.	3.3	80
236	Simultaneous temporal characterization of telecommunication optical pulses and modulators by use of spectrograms. Optics Letters, 2002, 27, 1315.	3.3	137
237	High-dynamic-range measurement of the two-point field correlation function by carrier-encoded spatial shearing interferometry. Optics Letters, 2002, 27, 1613.	3.3	2
238	Simple linear technique for the measurement of space-time coupling in ultrashort optical pulses. Optics Letters, 2002, 27, 1947.	3.3	36
239	Accuracy criterion for ultrashort pulse characterization techniques: application to spectral phase interferometry for direct electric field reconstruction. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1019.	2.1	56
240	Precision and consistency criteria in spectral phase interferometry for direct electric-field reconstruction. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1030.	2.1	21
241	Spatio-temporal characterization of the electric field of ultrashort optical pulses using two-dimensional shearing interferometry. Applied Physics B: Lasers and Optics, 2002, 74, s209-s217.	2.2	58
242	Joint Quantum Measurement Using Fourier-Transform Spectral Interferometry. , 2002, , .		0
243	Homodyne detection in spectral phase interferometry for direct electric-field reconstruction. Optics Letters, 2001, 26, 1510.	3.3	37
244	Amplitude and phase control of a 100 TW Nd:glass laser chain. , 2001, , .		2
245	Homodyne spectral phase interferometry for direct electric-field reconstruction for the characterization of ultrabroadband ultrashort pulses. , 2001, , .		0
246	Space-time characterization of ultrashort optical pulses using 2-dimensional shearing interferometry. , 2001, , .		3
247	Single-shot characterization of high-energy short optical pulses at 1.05 micron using spectral phase interferometry for direct electric-field reconstruction. , 2001, , .		1
248	Optically Addressed Liquid Crystal Light Valves and their Applications. Molecular Crystals and Liquid Crystals, 2001, 360, 105-117.	0.3	3
249	Characterization of the spectral phase of ultrashort light pulses. Comptes Rendus Physique, 2001, 2, 1415-1426.	0.1	10
250	The role of dispersion in ultrafast optics. Review of Scientific Instruments, 2001, 72, 1-29.	1.3	191
251	Joint Quantum Measurement Using Unbalanced Array Detection. Physical Review Letters, 2001, 87, 253601.	7.8	37
252	Precision and accuracy of ultrashort optical pulse measurement using SPIDER. Springer Series in Chemical Physics, 2001, , 120-122.	0.2	0

#	ARTICLE	IF	CITATIONS
253	Reliability of Fourier-transform spectral interferometry. Springer Series in Chemical Physics, 2001, , 141-143.	0.2	0
254	Experimental implementation of Fourier-transform spectral interferometry and its application to the study of spectrometers. Applied Physics B: Lasers and Optics, 2000, 70, S99-S107.	2.2	31
255	Characterization of chirped-pulse amplification systems with spectral phase interferometry for direct electric-field reconstruction. Applied Physics B: Lasers and Optics, 2000, 70, S77-S84.	2.2	10
256	Correction of the residual spectral phase in a CPA laser system using a deformable mirror in the stretcher. , 2000, , .		0
257	Spectral resolution and sampling issues in Fourier-transform spectral interferometry. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1795.	2.1	357
258	Toward efficient high order harmonic generation. European Physical Journal Special Topics, 2000, 10, Pr8-35.	0.2	2
259	Optically Addressed Liquid Crystal Light Valves and their Applications. , 2000, , 213-224.		1
260	Reliability of Fourier-transform spectral interferometry. , 2000, , .		0
261	Optimizing High Harmonic Generation in Absorbing Gases: Model and Experiment. Physical Review Letters, 1999, 82, 1668-1671.	7.8	541
262	Influence of the calibration of the detector on spectral interferometry. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 1160.	2.1	81
263	Implementation of spectral phase interferometry for direct electric-field reconstruction with a simultaneously recorded reference interferogram. Optics Letters, 1999, 24, 1532.	3.3	23
264	Single-shot real-time characterization of chirped-pulse amplification systems by spectral phase interferometry for direct electric-field reconstruction. Optics Letters, 1999, 24, 1644.	3.3	85
265	Phase amplitude coupling in spectral phase modulation. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 342-345.	2.9	17
266	Characterization of a femtosecond kHz amplifier chain by spectral shearing interferometry. , 1998, , .		1
267	Programmable phase control of femtosecond pulses by use of a nonpixelated spatial light modulator. Optics Letters, 1998, 23, 709.	3.3	44
268	Characterization of spectral phase modulation by classical and polarization spectral interferometry. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 2331.	2.1	25
269	Kilohertz High Harmonic Generation in Hollow Core Fibers. Springer Series in Chemical Physics, 1998, , 387-389.	0.2	0
270	Accurate Measurement of the $2S_{1/2} \sim 3D_{1/2}$ Two-Photon Transition Frequency in Helium: New Determination of the $2S_{1/2}$ Lamb Shift. Physical Review Letters, 1997, 78, 3658-3661.	7.8	55

#	ARTICLE	IF	CITATIONS
271	CÃ©rateurs et amplificateurs paramÃ©triques optiques monomodes transverse. Annales De Physique, 1995, 20, 593-594.	0.2	4
272	Computing with interference: all-optical single-query 50-element database search. , 0, , .		4
273	Compact spectral pulse shaping using hybrid planar lightwave circuit and free-space optics with MEMS piston micromirrors and spectrogram feedback control. , 0, , .		2
274	Signal analysis tools applied to the temporal characterization of ultrashort optical pulses. , 0, , .		0
275	Scaling Hot-Electron Generation to High-Power, Kilojoule-Class Laser-Solid Interactions. , 0, .		1
276	Single-shot cross-correlation of counter-propagating, short optical pulses using random quasi phase matching. Optics Express, 0, , .	3.4	1