

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	Optimizing High Harmonic Generation in Absorbing Gases: Model and Experiment. <i>Physical Review Letters</i> , 1999, 82, 1668-1671.	7.8	541
2	Characterization of ultrashort electromagnetic pulses. <i>Advances in Optics and Photonics</i> , 2009, 1, 308.	25.5	404
3	Spectral resolution and sampling issues in Fourier-transform spectral interferometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000, 17, 1795.	2.1	357
4	The role of dispersion in ultrafast optics. <i>Review of Scientific Instruments</i> , 2001, 72, 1-29.	1.3	191
5	Complete temporal characterization of short optical pulses by simplified chronocyclic tomography. <i>Optics Letters</i> , 2003, 28, 1481.	3.3	155
6	Simultaneous temporal characterization of telecommunication optical pulses and modulators by use of spectrograms. <i>Optics Letters</i> , 2002, 27, 1315.	3.3	137
7	Linear optical sampling. <i>IEEE Photonics Technology Letters</i> , 2003, 15, 1746-1748.	2.5	135
8	RF Spectrum Analysis of Optical Signals Using Nonlinear Optics. <i>Journal of Lightwave Technology</i> , 2004, 22, 266-274.	4.6	110
9	Interferometric technique for measuring broadband ultrashort pulses at the sampling limit. <i>Optics Letters</i> , 2005, 30, 326.	3.3	108
10	Measurement of eye diagrams and constellation diagrams of optical sources using linear optics and waveguide technology. <i>Journal of Lightwave Technology</i> , 2005, 23, 178-186.	4.6	103
11	Design and analysis of binary beam shapers using error diffusion. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1268.	2.1	101
12	Technology development for ultraintense all-OPCPA systems. <i>High Power Laser Science and Engineering</i> , 2019, 7, .	4.6	101
13	High-contrast optical-parametric amplifier as a front end of high-power laser systems. <i>Optics Letters</i> , 2007, 32, 2143.	3.3	100
14	Single-shot real-time characterization of chirped-pulse amplification systems by spectral phase interferometry for direct electric-field reconstruction. <i>Optics Letters</i> , 1999, 24, 1644.	3.3	85
15	Initial cone-in-shell fast-ignition experiments on OMEGA. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	82
16	Influence of the calibration of the detector on spectral interferometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 1160.	2.1	81
17	Direct space-time characterization of the electric fields of ultrashort optical pulses. <i>Optics Letters</i> , 2002, 27, 548.	3.3	80
18	High-speed measurements for optical telecommunication systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006, 12, 843-858.	2.9	72

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19	Highly sensitive direct characterization of femtosecond pulses by electro-optic spectral shearing interferometry. <i>Optics Letters</i> , 2003, 28, 477.	3.3	66
20	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
21	OMEGA EP high-energy petawatt laser: progress and prospects. <i>Journal of Physics: Conference Series</i> , 2008, 112, 032007.	0.4	62
22	Spatio-temporal characterization of the electric field of ultrashort optical pulses using two-dimensional shearing interferometry. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, s209-s217.	2.2	58
23	107-gb/s optical signal generation using electronic time-division multiplexing. <i>Journal of Lightwave Technology</i> , 2006, 24, 3107-3113.	4.6	57
24	Accuracy criterion for ultrashort pulse characterization techniques: application to spectral phase interferometry for direct electric field reconstruction. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 1019.	2.1	56
25	Accurate Measurement of the $2S_{13} \rightarrow 3D_{13}$ Two-Photon Transition Frequency in Helium: New Determination of the $2S_{13}$ Lamb Shift. <i>Physical Review Letters</i> , 1997, 78, 3658-3661.	7.8	55
26	Direct measurement of the spatial Wigner function with area-integrated detection. <i>Optics Letters</i> , 2003, 28, 1317.	3.3	53
27	Optical testing using the transport-of-intensity equation. <i>Optics Express</i> , 2007, 15, 7165.	3.4	53
28	A hybrid electroabsorption modulator device for generation of high spectral-efficiency optical modulation formats. <i>Optics Express</i> , 2008, 16, 8480.	3.4	53
29	Temporal van Cittert-Zernike theorem and its application to the measurement of chromatic dispersion. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004, 21, 1417.	2.1	51
30	Thresholds of absolute instabilities driven by a broadband laser. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	51
31	Analysis and suppression of parasitic processes in noncollinear optical parametric amplifiers. <i>Optics Express</i> , 2011, 19, 16797.	3.4	50
32	Scaling Hot-Electron Generation to High-Power, Kilojoule-Class Laser-Solid Interactions. <i>Physical Review Letters</i> , 2010, 105, 235001.	7.8	49
33	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
34	High-dynamic-range single-shot cross-correlator based on an optical pulse replicator. <i>Optics Express</i> , 2008, 16, 13534.	3.4	45
35	Programmable phase control of femtosecond pulses by use of a nonpixelated spatial light modulator. <i>Optics Letters</i> , 1998, 23, 709.	3.3	44
36	Temporal contrast degradation at the focus of ultrafast pulses from high-frequency spectral phase modulation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 1125.	2.1	43

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37	Impact of high-frequency spectral phase modulation on the temporal profile of short optical pulses. Optics Express, 2008, 16, 3058.	3.4	42
38	OPCPA front end and contrast optimization for the OMEGA EP kilojoule, picosecond laser. Journal of Optics (United Kingdom), 2015, 17, 094007.	2.2	42
39	Statistical analysis of incoherent pulse shaping. Optics Express, 2009, 17, 3341.	3.4	41
40	Chirped Return-to-Zero Modulation by Imbalanced Pulse Carver Driving Signals. IEEE Photonics Technology Letters, 2004, 16, 1379-1381.	2.5	40
41	Monitoring of optical signals from constellation diagrams measured with linear optical sampling. Journal of Lightwave Technology, 2006, 24, 313-321.	4.6	39
42	Homodyne detection in spectral phase interferometry for direct electric-field reconstruction. Optics Letters, 2001, 26, 1510.	3.3	37
43	Joint Quantum Measurement Using Unbalanced Array Detection. Physical Review Letters, 2001, 87, 253601.	7.8	37
44	Linear self-referencing techniques for short-optical-pulse characterization [Invited]. Journal of the Optical Society of America B: Optical Physics, 2008, 25, A1.	2.1	37
45	Spatiotemporal Metrology of Broadband Optical Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-16.	2.9	37
46	Impact of the Langdon effect on crossed-beam energy transfer. Nature Physics, 2020, 16, 181-185.	16.7	37
47	Simple linear technique for the measurement of space-time coupling in ultrashort optical pulses. Optics Letters, 2002, 27, 1947.	3.3	36
48	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
49	High-energy parametric amplification of spectrally incoherent broadband pulses. Optics Express, 2020, 28, 451.	3.4	34
50	Angular-dispersion-induced spatiotemporal aberrations in noncollinear optical parametric amplifiers. Optics Letters, 2010, 35, 2251.	3.3	33
51	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
52	Implementation of electro-optic spectral shearing interferometry for ultrashort pulse characterization. Optics Letters, 2003, 28, 2264.	3.3	30
53	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
54	Single-shot measurement of the electric field of optical waveforms by use of time magnification and heterodyning. Optics Letters, 2006, 31, 540.	3.3	30

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55	Performance of and initial results from the OMEGA EP Laser System. Journal of Physics: Conference Series, 2010, 244, 032010.	0.4	30
56	High-damage-threshold static laser beam shaping using optically patterned liquid-crystal devices. Optics Letters, 2011, 36, 4035.	3.3	30
57	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
58	Chromatic dispersion characterization by direct instantaneous frequency measurement. Optics Letters, 2004, 29, 204.	3.3	29
59	Linear and nonlinear performance of 42.7-Gb/s single-polarization RZ-DQPSK format. IEEE Photonics Technology Letters, 2006, 18, 883-885.	2.5	29
60	Highly sensitive, single-shot characterization for pulse widths from 04 to 85 ps using electro-optic shearing interferometry. Optics Letters, 2006, 31, 3523.	3.3	28
61	Plasma-ion-assisted coatings for 15 femtosecond laser systems. Applied Optics, 2014, 53, A221.	1.8	28
62	Design, analysis, and testing of a microdot apodizer for the apodized pupil Lyot coronagraph. Astronomy and Astrophysics, 2009, 500, 1281-1285.	5.1	27
63	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
64	All-optical XOR operation of 40â€¦Gbitâˆ•s phase-shift-keyed data using four-wave mixing in semiconductor optical amplifier. Electronics Letters, 2004, 40, 496.	1.0	25
65	High-damage-threshold beam shaping using binary phase plates. Optics Letters, 2009, 34, 2330.	3.3	25
66	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
67	Implementation of spectral phase interferometry for direct electric-field reconstruction with a simultaneously recorded reference interferogram. Optics Letters, 1999, 24, 1532.	3.3	23
68	Characterization of nonlinear phase shifts by use of the temporal transport-of-intensity equation. Optics Letters, 2005, 30, 3237.	3.3	23
69	Broadband sum-frequency generation of spectrally incoherent pulses. Optics Express, 2021, 29, 16135.	3.4	23
70	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
71	Concepts for the Temporal Characterization of Short Optical Pulses. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	20
72	Analysis of pump-induced temporal contrast degradation in optical parametric chirped-pulse amplification. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 3048.	2.1	20

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73	Direct-drive laser fusion: status, plans and future. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200011.	3.4	20
74	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
75	Optical differentiation wavefront sensing with binary pixelated transmission filters. Optics Express, 2016, 24, 9266.	3.4	19
76	Absolute linear-in-k spectrometer designs enabled by freeform optics. Optics Express, 2019, 27, 34593.	3.4	19
77	Pulse-Propagation Modeling and Experiment for Femtosecond-Laser Writing of Waveguide in Nd:YAG Crystals, 2019, 9, 434.	2.2	18
78	Phase amplitude coupling in spectral phase modulation. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 342-345.	2.9	17
79	Optical parametric chirped-pulse-amplification contrast enhancement by regenerative pump spectral filtering. Optics Letters, 2007, 32, 2378.	3.3	17
80	Spectral filtering in a diode-pumped Nd:YLF regenerative amplifier using a volume Bragg grating. Optics Express, 2007, 15, 8197.	3.4	17
81	Two-beam SPIDER for dual-pulse single-shot characterization. Optics Letters, 2009, 34, 3415.	3.3	17
82	Gemini Planet Imager coronagraph testbed results. Proceedings of SPIE, 2010, , .	0.8	17
83	Self-phase modulation compensation in a regenerative amplifier using cascaded second-order nonlinearities. Optics Letters, 2014, 39, 4466.	3.3	17
84	Microcoulomb ($0.7 \pm \frac{0.4}{0.2} \times 10^{-4}$ C) laser plasma accelerator on OMEGA EP. Scientific Reports, 2021, 11, 7498.	3.3	17
85	Highly sensitive differential tomographic technique for real-time ultrashort pulse characterization. Optics Letters, 2005, 30, 1545.	3.3	16
86	Method of optical pulse characterization using sinusoidal optical phase modulations. Optics Letters, 2007, 32, 2538.	3.3	16
87	Spatio-spectral characterization of broadband fields using multispectral imaging. Optics Express, 2018, 26, 33387.	3.4	16
88	Scaling hot-electron generation to long-pulse, high-intensity laser-solid interactions. Physics of Plasmas, 2011, 18, 056703.	1.9	15
89	Simulation of grating compressor misalignment tolerances and mitigation strategies for chirped-pulse-amplification systems of varying bandwidths and beam sizes. Applied Optics, 2019, 58, 234.	1.8	14
90	High-resolution subsurface microscopy of CMOS integrated circuits using radially polarized light. Optics Letters, 2015, 40, 5502.	3.3	13

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91	The Dynamic Compression Sector laser: A 100-J UV laser for dynamic compression research. Review of Scientific Instruments, 2019, 90, 053001.	1.3	13
92	Characterization of partially deuterated KDP crystals using two-wavelength phase-matching angles. Optical Materials Express, 2021, 11, 774.	3.0	13
93	Spectral and temporal shaping of spectrally incoherent pulses in the infrared and ultraviolet. Optics Express, 2022, 30, 4942.	3.4	13
94	Implementations of alternate-polarisation differential-phase-shift-keying transmission. Electronics Letters, 2004, 40, 333.	1.0	12
95	Direct measurement of nonlinear coefficient of optical fibre using linear optical sampling. Electronics Letters, 2005, 41, 8.	1.0	12
96	Characterization and optimization of Yb-doped photonic-crystal fiber rod amplifiers using spatially resolved spectral interferometry. Applied Optics, 2011, 50, 2001.	2.1	12
97	Complete characterization of periodic optical sources by use of sampled test-plus-reference interferometry. Optics Letters, 2005, 30, 2022.	3.3	11
98	Integrated photonics for NASA applications. , 2019, , .		11
99	Advanced laser development and plasma-physics studies on the multiterawatt laser. Applied Optics, 2021, 60, 11104.	1.8	11
100	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
101	Characterization of the spectral phase of ultrashort light pulses. Comptes Rendus Physique, 2001, 2, 1415-1426.	0.1	10
102	Self-referencing dispersion characterization of multimode structures using direct instantaneous frequency measurement. IEEE Photonics Technology Letters, 2004, 16, 1700-1702.	2.5	10
103	Direct optical measurement of the on-shot incoherent focal spot and intensity contrast on the OMEGA EP laser. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	10
104	Chromatic-aberration diagnostic based on a spectrally resolved lateral-shearing interferometer. Applied Optics, 2016, 55, 2413.	2.1	10
105	Efficient optical implementation of the Bernstein-Vazirani algorithm. Physical Review A, 2004, 69, .	2.5	9
106	The Gemini Planet Imager coronagraph testbed. Proceedings of SPIE, 2009, , .	0.8	9
107	High-sensitivity optical pulse characterization using Sagnac electro-optic spectral shearing interferometry. Optics Letters, 2010, 35, 1353.	3.3	9
108	Analysis of the chromaticity of near-field binary beam shapers. Applied Optics, 2013, 52, 3368.	1.8	9

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109	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
110	Optical parametric amplification of spectrally incoherent pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 792.	2.1	9
111	Ultra-high bandwidth RF spectrum analyser for optical signals. <i>Electronics Letters</i> , 2003, 39, 1004.	1.0	8
112	Interferometric techniques for the characterization of temporal modulators. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 2688-2690.	2.5	8
113	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
114	Design, analysis, and testing of a microdot apodizer for the apodized pupil Lyot coronagraph. <i>Astronomy and Astrophysics</i> , 2010, 520, A110.	5.1	8
115	Simulations of the propagation of multiple-FM smoothing by spectral dispersion on OMEGA EP. <i>Proceedings of SPIE</i> , 2013, , .	0.8	8
116	Commissioning of a multiple-frequency modulation smoothing by spectral dispersion demonstration system on OMEGA EP. <i>Proceedings of SPIE</i> , 2013, , .	0.8	8
117	Model-based optimization of near-field binary-pixelated beam shapers. <i>Applied Optics</i> , 2017, 56, 806.	2.1	8
118	Chromatic diversity: a new approach for characterizing spatiotemporal coupling of ultrashort pulses. <i>Optics Express</i> , 2018, 26, 8767.	3.4	8
119	High-performance optical differentiation wavefront sensing towards freeform metrology. <i>Optics Express</i> , 2019, 27, 36297.	3.4	8
120	Investigation of 42.7-Gb/s quadrature phase-shift keying (QPSK) signals using linear optical sampling. , 2005, , .		7
121	Calibrating IR optical densities for the Gemini Planet Imager extreme adaptive optics coronagraph apodizers. <i>Proceedings of SPIE</i> , 2009, , .	0.8	7
122	Spectral and temporal properties of optical signals with multiple sinusoidal phase modulations. <i>Applied Optics</i> , 2014, 53, 1007.	1.8	7
123	Tunable UV upgrade on OMEGA EP. , 2019, , .		7
124	Telephoto-lens-based Optical Differentiation Wavefront Sensor for freeform metrology. <i>Optics Express</i> , 2021, 29, 38395.	3.4	7
125	Novel Laser and Diagnostic Technologies for the OMEGA EP High-Energy Petawatt Laser. <i>The Review of Laser Engineering</i> , 2009, 37, 437-442.	0.0	6
126	Characterization and Optimization of an Eight-Channel Time-Multiplexed Pulse-Shaping System. <i>Journal of Lightwave Technology</i> , 2017, 35, 173-185.	4.6	6

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127	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
128	Morphology and waveguiding properties of ultrafast-laser-inscribed type-II waveguides in IG2. <i>Optical Materials Express</i> , 2022, 12, 360.	3.0	6
129	A front end for ultra-intense OPCPA. , 2012, , .		5
130	Single-shot high-resolution characterization of optical pulses by spectral phase diversity. <i>Optics Express</i> , 2015, 23, 33116.	3.4	5
131	Effect of the pump beam profile and wavefront on the amplified signal wavefront in optical parametric amplifiers. <i>Optics Express</i> , 2022, 30, 12995.	3.4	5
132	Computing with interference: all-optical single-query 50-element database search. , 0, , .		4
133	Comment on: Novel method for ultrashort laser pulse-width measurement based on the selfdiffraction effect. <i>Optics Express</i> , 2003, 11, 79.	3.4	4
134	Measurement of nonlinear temporal phase shifts using spectral Foucault technique. <i>Electronics Letters</i> , 2006, 42, 649.	1.0	4
135	Effect of jitter on linear pulse-characterization techniques. <i>Optics Express</i> , 2008, 16, 6567.	3.4	4
136	Analysis of nonlinear optical propagation in a longitudinal deuterated potassium dihydrogen phosphate Pockels cell. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1891.	2.1	4
137	CÃ©rateurs et amplificateurs paramÃ©triques optiques monomodes transverse. <i>Annales De Physique</i> , 1995, 20, 593-594.	0.2	4
138	Direct binary search for improved coherent beam shaping and optical differentiation wavefront sensing. <i>Applied Optics</i> , 2018, 57, 8557.	1.8	4
139	Space-time characterization of ultrashort optical pulses using 2-dimensional shearing interferometry. , 2001, , .		3
140	Optically Addressed Liquid Crystal Light Valves and their Applications. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 360, 105-117.	0.3	3
141	MEASUREMENT OF THE INTENSITY-DEPENDENT REFRACTIVE INDEX USING COMPLETE SPATIO-TEMPORAL PULSE CHARACTERIZATION. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2005, 14, 9-20.	1.8	3
142	Photo-aligned liquid crystal devices for high-peak-power laser applications. , 2012, , .		3
143	Analysis of Pulse Replicators for High-Bandwidth, High-Dynamic-Range, Single-Shot Optical Characterization. <i>Journal of Lightwave Technology</i> , 2013, 31, 1374-1382.	4.6	3
144	Investigation of focusing and correcting aberrations with binary amplitude and polarization modulation. <i>Applied Optics</i> , 2018, 57, 763.	1.8	3

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145	A highly efficient, 10-J output signal amplifier for ultra-intense all-OPCPA systems. , 2021, , .		3
146	Optimizing injection into large-mode-area photonic crystal-fiber amplifiers by spatially resolved spectral interferometry. , 2009, , .		3
147	Amplitude and phase control of a 100 TW Nd:glass laser chain. , 2001, , .		2
148	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
149	Compact spectral pulse shaping using hybrid planar lightwave circuit and free-space optics with MEMS piston micromirrors and spectrogram feedback control. , 0, , .		2
150	Investigation of the spectrogram technique for the characterization of picosecond optical pulses. , 2005, , .		2
151	Sampling of optical waveforms using linear optics. , 2005, , .		2
152	Novel method of optical pulse characterization using sinusoidal optical phase modulations. , 2006, , .		2
153	Phase and Lyot-type coronagraphs for the High Order Testbench: prototyping and first laboratory results. Proceedings of SPIE, 2008, , .	0.8	2
154	Signal analyser on an optical chip. Nature Photonics, 2009, 3, 136-137.	31.4	2
155	Liquid crystal beam shaping devices employing patterned photoalignment layers for high-peak-power laser applications. Proceedings of SPIE, 2011, , .	0.8	2
156	A cylindrical Å–ffner stretcher for reduced chromatic aberrations and improved temporal contrast. , 2012, , .		2
157	The multiple-pulse driver line on the OMEGA laser. Proceedings of SPIE, 2015, , .	0.8	2
158	Two-photon laser-assisted device alteration in CMOS integrated circuits using linearly, circularly and radially polarized light. Microelectronics Reliability, 2016, 60, 62-66.	1.7	2
159	Performance measurements on NIF beamlines for future experiments to support polar direct drive. Journal of Physics: Conference Series, 2016, 717, 012088.	0.4	2
160	Investigation of an apodized imaged Hartmann wavefront sensor. Applied Optics, 2018, 57, 7266.	1.8	2
161	Toward efficient high order harmonic generation. European Physical Journal Special Topics, 2000, 10, Pr8-35.	0.2	2
162	Wavefront Sensing Using a Checkerboard Amplitude Mask. , 2013, , .		2

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163	Optical Differentiation Wavefront Sensing for Freeform Optics Metrology. , 2016, , .		2
164	Characterization of a femtosecond kHz amplifier chain by spectral shearing interferometry. , 1998, , .		1
165	Single-shot characterization of high-energy short optical pulses at 1.05 micron using spectral phase interferometry for direct electric-field reconstruction. , 2001, , .		1
166	Polarization-mode dispersion of a circulating loop. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 243.	2.1	1
167	Optical noise estimation using direct measurement of constellation diagrams by linear optical sampling. , 2005, , .		1
168	Single-shot measurement of the electric field of optical sources using time magnification and heterodyning. , 2006, , .		1
169	Suppression of Optical Parametric Generation in the High-Efficient OPCPA System. , 2007, , WD3.		1
170	Characterization of High-Frequency Surface Modulation Using the Transport-of-Intensity Equation. , 2007, , .		1
171	Characterization of a High-Contrast Front-End Prototype for the Omega EP Laser Facility. , 2011, , .		1
172	A Front End for Ultra-Intense Optical Parametric Chirped-Pulse Amplification. , 2012, , .		1
173	A multi-wavelength, variable-pulse-width, diode-pumped laser system. Proceedings of SPIE, 2012, , .	0.8	1
174	Twisted-Nematic Liquid Crystal Polarization Rotators for Broadband Laser Applications. , 2015, , .		1
175	Temporal-contrast measurements of a white-light-seeded noncollinear optical parametric amplifier. Journal of Optics (United Kingdom), 2015, 17, 094006.	2.2	1
176	Technology Development for Ultra-Intense OPCPA Systems. , 2021, , .		1
177	Scaling Hot-Electron Generation to High-Power, Kilojoule-Class Laser-Solid Interactions. , 0, .		1
178	Temporal Contrast Measurements of a Noncollinear Optical Parametric Amplifier Seeded by White-Light Continuum. , 2011, , .		1
179	Fiber Front End for an OMEGA EP Demonstration of Beam-Smoothing Techniques for NIF Polar-Drive Ignition. , 2012, , .		1
180	Optically Addressed Liquid Crystal Light Valves and their Applications. , 2000, , 213-224.		1

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181	The OMEGA EP high-energy, short-pulse Laser System. , 2008, , .		1
182	Ultrafast Pulse Characterization of Semiconductor Single-Section Fabry-Perot Mode-Locked Lasers. , 2009, , .		1
183	Plasma-Ion-Assisted Coatings for 15-fs Laser Systems. , 2013, , .		1
184	Optical Differentiation Wavefront Sensing for Astronomy and Vision Applications. , 2016, , .		1
185	An Apodized-Imaged Hartmann Mask for Quantitative Wavefront Measurements in Laser Systems. , 2017, , .		1
186	Single-shot temporal characterization of kilojoule-level, picosecond pulses on OMEGA EP. , 2018, , .		1
187	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
188	Record-Bandwidth, Spectrally Incoherent UV Laser Pulses. , 2020, , .		1
189	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
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