

Anatoly M Maksimchuk

List of Publications by Year in descending order

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175
papers

8,054
citations

66343

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177
all docs

177
docs citations

177
times ranked

3096
citing authors

#	ARTICLE	IF	CITATIONS
1	Intense gamma-ray source based on focused electron beams from a laser wakefield accelerator. Applied Physics Letters, 2022, 120, .	3.3	1
2	The effects of laser polarization and wavelength on injection dynamics of a laser wakefield accelerator. Physics of Plasmas, 2021, 28, .	1.9	5
3	Optimization of the electron beam dump for a GeV-class laser electron accelerator. Applied Radiation and Isotopes, 2021, 176, 109853.	1.5	0
4	Demonstration of femtosecond broadband X-rays from laser wakefield acceleration as a source for pump-probe X-ray absorption studies. High Energy Density Physics, 2020, 35, 100729.	1.5	3
5	Enhanced spatial resolution of Eljen-204 plastic scintillators for use in rep-rated proton diagnostics. Review of Scientific Instruments, 2020, 91, 103301.	1.3	5
6	Polarization-Dependent Self-Injection by Above Threshold Ionization Heating in a Laser Wakefield Accelerator. Physical Review Letters, 2020, 124, 114801.	7.8	11
7	Characterizing extreme laser intensities by ponderomotive acceleration of protons from rarified gas. New Journal of Physics, 2020, 22, 023003.	2.9	14
8	Sarri etÅal. Reply:. Physical Review Letters, 2020, 124, 179502.	7.8	1
9	Scintillator detector characterization for laser-driven proton beam imaging. Review of Scientific Instruments, 2020, 91, 123304.	1.3	4
10	X-ray phase contrast imaging of additive manufactured structures using a laser wakefield accelerator. Plasma Physics and Controlled Fusion, 2019, 61, 054009.	2.1	4
11	Optimization of laser-nanowire target interaction to increase the proton acceleration efficiency. Plasma Physics and Controlled Fusion, 2019, 61, 065016.	2.1	26
12	Measurements of electron beam ring structures from laser wakefield accelerators. Plasma Physics and Controlled Fusion, 2019, 61, 065012.	2.1	7
13	Focusability of laser pulses at petawatt transport intensities in thin-film compression. Journal of the Optical Society of America B: Optical Physics, 2019, 36, A28.	2.1	29
14	On the properties of synchrotron-like X-ray emission from laser wakefield accelerated electron beams. Physics of Plasmas, 2018, 25, 043104.	1.9	3
15	Laser induced THz Sommerfeld waves along metal wire. EPJ Web of Conferences, 2018, 195, 03002.	0.3	2
16	The unexpected role of evolving longitudinal electric fields in generating energetic electrons in relativistically transparent plasmas. New Journal of Physics, 2018, 20, 093024.	2.9	33
17	Relativistic-electron-driven magnetic reconnection in the laboratory. Physical Review E, 2018, 98, .	2.1	32
18	Development of mini-undulators for a table-top free-electron laser. Laser and Particle Beams, 2018, 36, 396-404.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Laser triggered radiation sources (from terahertz radiation to gamma-rays). , 2018, , .		0
20	Multi-electron beam generation using co-propagating, parallel laser beams. New Journal of Physics, 2018, 20, 093021.	2.9	2
21	Stimulated Raman backscattering from a laser wakefield accelerator. New Journal of Physics, 2018, 20, 073039.	2.9	4
22	Generation of terahertz electromagnetic wave by high-intensity laser pulse interaction with solid targets. , 2018, , .		0
23	High flux femtosecond x-ray emission from the electron-hose instability in laser wakefield accelerators. Physical Review Accelerators and Beams, 2018, 21, .	1.6	4
24	Enhanced laser absorption from radiation pressure in intense laser plasma interactions. New Journal of Physics, 2017, 19, 063014.	2.9	6
25	Analysis of sinusoidally modulated chirped laser pulses by temporally encoded spectral shifting. Optics Letters, 2016, 41, 5503.	3.3	4
26	Ionization injection effects in x-ray spectra generated by betatron oscillations in a laser wakefield accelerator. Plasma Physics and Controlled Fusion, 2016, 58, 055012.	2.1	4
27	Acceleration of high charge-state target ions in high-intensity laser interactions with sub-micron targets. New Journal of Physics, 2016, 18, 113032.	2.9	9
28	Relativistic intensity laser interactions with low-density plasmas. Journal of Physics: Conference Series, 2016, 688, 012126.	0.4	2
29	Characterization of electrons and x-rays produced using chirped laser pulses in a laser wakefield accelerator. Plasma Physics and Controlled Fusion, 2016, 58, 105003.	2.1	2
30	High-Flux Femtosecond X-Ray Emission from Controlled Generation of Annular Electron Beams in a Laser Wakefield Accelerator. Physical Review Letters, 2016, 117, 094801.	7.8	19
31	Target surface area effects on hot electron dynamics from high intensity laser-plasma interactions. New Journal of Physics, 2016, 18, 063020.	2.9	1
32	Temporal Encoding of Spectral Modulations in Chirped Pulses. , 2016, , .		0
33	X-Ray imaging of ultrafast magnetic reconnection driven by relativistic electrons. Proceedings of SPIE, 2015, , .	0.8	0
34	On electron betatron motion and electron injection in laser wakefield accelerators. Plasma Physics and Controlled Fusion, 2014, 56, 084009.	2.1	1
35	Solid-Density Experiments for Laser-Based Thomson Scattering: Approaching the Radiation Dominated Regime. , 2014, , .		0
36	Improvements to laser wakefield accelerated electron beam stability, divergence, and energy spread using three-dimensional printed two-stage gas cell targets. Applied Physics Letters, 2014, 104, .	3.3	38

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37	Measurements of high-energy radiation generation from laser-wakefield accelerated electron beams. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	31
38	High-intensity laser-driven proton acceleration enhancement from hydrogen containing ultrathin targets. <i>Applied Physics Letters</i> , 2013, 103, 141117.	3.3	8
39	Surface waves and electron acceleration from high-power, kilojoule-class laser interactions with underdense plasma. <i>New Journal of Physics</i> , 2013, 15, 025023.	2.9	46
40	Ultrafast Electron Radiography of Magnetic Fields in High-Intensity Laser-Solid Interactions. <i>Physical Review Letters</i> , 2013, 110, 015003.	7.8	61
41	High-Intensity Laser Triggered Proton Acceleration from Ultrathin Foils. <i>Contributions To Plasma Physics</i> , 2013, 53, 161-164.	1.1	5
42	Energetic neutron beams generated from femtosecond laser plasma interactions. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	44
43	Dominant deuteron acceleration with a high-intensity laser for isotope production and neutron generation. <i>Applied Physics Letters</i> , 2013, 102, 191117.	3.3	24
44	Scaling High-Order Harmonic Generation from Laser-Solid Interactions to Ultrahigh Intensity. <i>Physical Review Letters</i> , 2013, 110, 175002.	7.8	73
45	Table-Top Laser-Based Source of Femtosecond, Collimated, Ultrarelativistic Positron Beams. <i>Physical Review Letters</i> , 2013, 110, 255002.	7.8	149
46	High contrast ion acceleration at intensities exceeding $10^{21} \text{ W cm}^{-2}$. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	21
47	Improved laser-to-proton conversion efficiency in isolated reduced mass targets. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	9
48	Investigation of relativistic intensity laser generated hot electron dynamics via copper K _α imaging and proton acceleration. <i>Physics of Plasmas</i> , 2013, 20, 123112.	1.9	3
49	A table-top laser-based source of short, collimated, ultra-relativistic positron beams. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
50	Ultra-intense laser neutron generation through efficient deuteron acceleration. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
51	Laser-driven generation of collimated ultra-relativistic positron beams. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 124017.	2.1	33
52	High resolution bremsstrahlung and fast electron characterization in ultrafast intense laser-solids interactions. <i>New Journal of Physics</i> , 2013, 15, 123038.	2.9	17
53	Enhanced energy coupling by using structured nano-wire targets. <i>EPJ Web of Conferences</i> , 2013, 59, 17007.	0.3	0
54	Laser seeded electron beam filamentation in high intensity laser wakefield acceleration. , 2013, , .		1

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55	Final amplifier for laser accelerators. , 2013, , .		0
56	Relativistic spherical plasma waves. Physics of Plasmas, 2012, 19, 020702.	1.9	23
57	Finite Spot Effects on Radiation Pressure Acceleration from Intense High-Contrast Laser Interactions with Thin Targets. Physical Review Letters, 2012, 108, 175005.	7.8	76
58	Characterization of transverse beam emittance of electrons from a laser-plasma wakefield accelerator in the bubble regime using betatron x-ray radiation. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	63
59	Experimental laser wakefield acceleration scalings exceeding 100%TW. Physics of Plasmas, 2012, 19, 063113.	1.9	9
60	High-aspect-ratio Plasma Target for Raman Backscattering in Exawatt Laser Development. , 2012, , .		0
61	High-power, kilojoule laser interactions with near-critical density plasma. Physics of Plasmas, 2011, 18, .	1.9	57
62	Control of Energy Spread and Dark Current in Proton and Ion Beams Generated in High-Contrast Laser Solid Interactions. Physical Review Letters, 2011, 107, 065003.	7.8	33
63	X-ray phase contrast imaging of biological specimens with femtosecond pulses of betatron radiation from a compact laser plasma wakefield accelerator. Applied Physics Letters, 2011, 99, .	3.3	118
64	X-ray phase contrast imaging of biological specimens with tabletop synchrotron radiation. Nature Precedings, 2011, , .	0.1	0
65	Current Filamentation Instability in Laser Wakefield Accelerators. Physical Review Letters, 2011, 106, 105001.	7.8	37
66	Laser produced directed neutron beams. , 2011, , .		0
67	Proton Probe Imaging of Fields Within a Laser-Generated Plasma Channel. IEEE Transactions on Plasma Science, 2011, 39, 2616-2617.	1.3	1
68	High-Power, Kilojoule Class Laser Channeling in Millimeter-Scale Underdense Plasma. Physical Review Letters, 2011, 106, 105002.	7.8	58
69	Front versus rear side light-ion acceleration from high-intensity laser“solid interactions. Plasma Physics and Controlled Fusion, 2011, 53, 014011.	2.1	15
70	Comparison of bulk and pitcher-catcher targets for laser-driven neutron production. Physics of Plasmas, 2011, 18, .	1.9	48
71	Swarm of ultra-high intensity attosecond pulses from laser-plasma interaction. Journal of Physics: Conference Series, 2010, 244, 022029.	0.4	1
72	Synchrotron x-ray radiation from laser wakefield accelerated electron beams in a plasma channel. Journal of Physics: Conference Series, 2010, 244, 042026.	0.4	3

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73	Control of proton energy in ultra-high intensity laser-matter interaction. Journal of Physics: Conference Series, 2010, 244, 042025.	0.4	0
74	Effects of Ionization in a Laser Wakefield Accelerator. , 2010, , .		0
75	Formation of Optical Bullets in Laser-Driven Plasma Bubble Accelerators. Physical Review Letters, 2010, 104, 134801.	7.8	42
76	Ensemble of ultra-high intensity attosecond pulses from laserâ€‘plasma interaction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 476-480.	2.1	25
77	Visualization of plasma bubble accelerators using Frequency-Domain Shadowgraphy. High Energy Density Physics, 2010, 6, 153-156.	1.5	1
78	Bright spatially coherent synchrotron X-rays from a table-top source. Nature Physics, 2010, 6, 980-983.	16.7	392
79	Formation of Optical Bullets in Laser-Driven Plasma Bubble Accelerators. , 2010, , .		2
80	Narrow Energy Spread Protons and Ions from High-Intensity, High-Contrast Laser Solid Target Interactions. , 2010, , .		3
81	Neutron production from ${}^7\text{Li}(d, n)$ nuclear fusion reactions driven by high-intensity laserâ€‘target interactions. Plasma Physics and Controlled Fusion, 2010, 52, 045015.	2.1	39
82	Energetic electron and ion generation from interactions of intense laser pulses with laser machined conical targets. Nuclear Fusion, 2010, 50, 055006.	3.5	6
83	The impact of contaminants on laser-driven light ion acceleration. Physics of Plasmas, 2010, 17, 103111.	1.9	27
84	Ionization Induced Trapping in a Laser Wakefield Accelerator. Physical Review Letters, 2010, 104, 025004.	7.8	340
85	Holographic visualization of laser wakefields. New Journal of Physics, 2010, 12, 045016.	2.9	20
86	Generation of GeV protons from 1 PW laser interaction with near critical density targets. Physics of Plasmas, 2010, 17, .	1.9	126
87	Stimulated Raman Side Scattering in Laser Wakefield Acceleration. Physical Review Letters, 2010, 105, 034801.	7.8	24
88	Formation of Optical Bullets in Laser-driven Plasma Bubble Accelerators. , 2010, , .		0
89	Observation of Optical Bullets formed in Laser-driven Plasma Bubble Accelerators. , 2010, , .		0
90	Ion Acceleration with Ultra-Intense Lasers. , 2010, , .		0

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91	SU-GG-T-462: Observation of Quasi-Monoenergetic Laser Accelerated Proton and Carbon Beams. Medical Physics, 2010, 37, 3293-3293.	3.0	0
92	Laser wakefield acceleration experiments at the University of Michigan. , 2009, , .		2
93	Guiding and Ionization Blueshift in Ablative Capillary Waveguide Accelerators. , 2009, , .		0
94	Simulation of Weibel Instability for LWFA and PWFA Electron Beams. , 2009, , .		0
95	Guiding of 35 TW laser pulses in ablative capillary discharge waveguides. Physics of Plasmas, 2009, 16, 113105.	1.9	23
96	Self-guided laser wakefield acceleration using ablated plasma targets. Plasma Physics and Controlled Fusion, 2009, 51, 095003.	2.1	4
97	Laser Wakefield Acceleration Experiments Using HERCULES Laser. , 2009, , .		1
98	Comparative study of betatron radiation from laser-wakefield and direct-laser accelerated bunches of relativistic electrons. Proceedings of SPIE, 2009, , .	0.8	17
99	Relativistic plasma shutter for ultraintense laser pulses. Applied Physics Letters, 2009, 94, 201117.	3.3	31
100	Ultra-high intensity-High Contrast 300-TW laser at 0.1 Hz repetition rate. Springer Series in Chemical Physics, 2009, , 750-752.	0.2	1
101	Contrast Challenge for Ultrahigh-intensity Experiments on High-density Targets. , 2009, , .		0
102	Coherent Betatron Radiation from Laser-Wakefield Accelerated Bunches of Monoenergetic Electrons. , 2009, , .		0
103	MO-EE-A2-05: Experimental Implementation of the Directed Coulomb Explosion Regime of Laser-Proton Acceleration. Medical Physics, 2009, 36, 2703-2703.	3.0	0
104	Accelerating monoenergetic protons from ultrathin foils by flat-top laser pulses in the directed-Coulomb-explosion regime. Physical Review E, 2008, 78, 026412.	2.1	160
105	Laser-triggered quasi-monoenergetic ion beams at a moderate intensity and pulse duration. Laser Physics, 2008, 18, 1025-1030.	1.2	3
106	Observation of Synchrotron Radiation from Electrons Accelerated in a Petawatt-Laser-Generated Plasma Cavity. Physical Review Letters, 2008, 100, 105006.	7.8	179
107	Ultra-high intensity- 300-TW laser at 0.1 Hz repetition rate. Optics Express, 2008, 16, 2109.	3.4	655
108	Accelerating protons to therapeutic energies with ultraintense, ultraclean, and ultrashort laser pulses. Medical Physics, 2008, 35, 1770-1776.	3.0	101

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109	Studies of laser wakefield structures and electron acceleration in underdense plasmas. Physics of Plasmas, 2008, 15, 056703.	1.9	35
110	Ultra-high intensity-high contrast 300-TW laser at 0.1 Hz repetition rate. , 2008, , .		1
111	Efficient initiation of photonuclear reactions using quasimonoenergetic electron beams from laser wakefield acceleration. Journal of Applied Physics, 2007, 102, .	2.5	13
112	Electromagnetic pulse reflection at self-generated plasma mirrors: Laser pulse shaping and high order harmonic generation. Physics of Plasmas, 2007, 14, 093105.	1.9	9
113	Ultrafast Imaging of Wakefields. , 2007, , .		0
114	Proton acceleration from thin foils using ultraintense, high-contrast pulses. , 2007, , .		1
115	Proton Acceleration from Thin Foils Using Ultraintense, High-Contrast Pulses. , 2007, , .		0
116	Energy scaling of quasi-monoenergetic electron beams from laser wakefields driven by 40-TW ultra-short pulses. Applied Physics B: Lasers and Optics, 2007, 89, 201-207.	2.2	20
117	Laser Wakefield Acceleration of High-Quality Electron Beams to 300 MeV and Efficient Initiation of Photonuclear Reactions. AIP Conference Proceedings, 2006, , .	0.4	0
118	Demonstration of fiber-laser-produced plasma source and application to efficient extreme UV light generation. Optics Letters, 2006, 31, 2517.	3.3	14
119	Proton Acceleration to Therapeutic Energies with Ultra-Intense Ultra-Clean and Ultra-Short Laser Pulses. AIP Conference Proceedings, 2006, , .	0.4	1
120	Snapshots of laser wakefields. Nature Physics, 2006, 2, 749-753.	16.7	196
121	Generation of ultrashort pulses of electrons, X-rays and optical pulses by relativistically strong light. AIP Conference Proceedings, 2006, , .	0.4	0
122	Snapshots of Laser-Generated Wakefields. AIP Conference Proceedings, 2006, , .	0.4	2
123	Single-shot, real-time measurement of laser wakefields using frequency domain holography (FDH). , 2006, , .		0
124	Photonuclear fission with quasimonoenergetic electron beams from laser wakefields. Applied Physics Letters, 2006, 89, 231107.	3.3	21
125	Acceleration of quasi-monochromatic electron beams in laser wakefield to 300 MeV and initiation of photonuclear reactions. , 2006, , .		0
126	Generation and characterization of quasi-monoenergetic electron beams from laser wakefield. European Physical Journal Special Topics, 2006, 133, 1123-1126.	0.2	4

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127	TH-C-230A-06: High-Energy Proton Acceleration Driven by Ultra-Intense Ultra-Clean Laser Pulses. Medical Physics, 2006, 33, 2272-2272.	3.0	0
128	Anomalous transmission of high contrast relativistically intense short pulses through thin metal foils. European Physical Journal Special Topics, 2006, 133, 511-514.	0.2	0
129	Characterization of focal field formed by a large numerical aperture paraboloidal mirror and generation of ultra-high intensity (1022 W/cm ²). Applied Physics B: Lasers and Optics, 2005, 80, 823-832.	2.2	67
130	Relativistic generation of isolated attosecond pulses: a different route to extreme intensity. Journal of Modern Optics, 2005, 52, 305-319.	1.3	28
131	Optical Deflection and Temporal Characterization of an Ultrafast Laser-Produced Electron Beam. Physical Review Letters, 2005, 95, 035004.	7.8	24
132	High-energy ion generation by short laser pulses. Plasma Physics Reports, 2004, 30, 473-495.	0.9	57
133	Attosecond Electron Bunches. Physical Review Letters, 2004, 93, 195003.	7.8	147
134	Generation and characterization of the highest laser intensities (10 ²² W/cm ²). Optics Letters, 2004, 29, 2837.	3.3	390
135	Generation, Amplitude and Phase Characterization of 1021W/cm ² Intensity. Springer Series in Optical Sciences, 2004, , 329-332.	0.7	4
136	Amplified spontaneous emission in a Ti:sapphire regenerative amplifier. Applied Optics, 2003, 42, 7231.	2.1	37
137	High-harmonic generation in plasmas from relativistic laser-electron scattering. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 182.	2.1	21
138	Electron acceleration by few-cycle laser pulses with single-wavelength spot size. Physical Review E, 2003, 67, 026416.	2.1	19
139	High-harmonic generation in plasmas by relativistic Thomson scattering. Journal of Modern Optics, 2002, 49, 2599-2614.	1.3	3
140	High harmonic generation in relativistic laser-plasma interaction. Physics of Plasmas, 2002, 9, 2393-2398.	1.9	60
141	Nonlinear relativistic optics in the single cycle, single wavelength regime and kilohertz repetition rate. AIP Conference Proceedings, 2002, , .	0.4	1
142	High-energy ion generation in interaction. of short laser pulse with high-density plasma. Applied Physics B: Lasers and Optics, 2002, 74, 207-215.	2.2	140
143	On the design of experiments for the study of relativistic nonlinear optics in the limit of single-cycle pulse duration and single-wavelength spot size. Plasma Physics Reports, 2002, 28, 12-27.	0.9	55
144	<title>Near-10-MeV ion acceleration in the forward direction and isotope production with a high-intensity laser</title>. , 2001, , .		0

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145	Forward ion acceleration and nuclear reactions on a tabletop driven by a high-intensity laser. , 2001, 4352, 120.		0
146	Fast ignitor concept with light ions. Plasma Physics Reports, 2001, 27, 1017-1020.	0.9	142
147	Laser-triggered ion acceleration and table top isotope production. Applied Physics Letters, 2001, 78, 595-597.	3.3	187
148	Dense and Relativistic Plasmas Produced by Compact High-Intensity Lasers. Astrophysical Journal, Supplement Series, 2000, 127, 513-518.	7.7	6
149	X-ray radiation from matter in extreme conditions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2000, 65, 367-385.	2.3	26
150	X-ray radiation from ions with K-shell vacancies. Journal of Quantitative Spectroscopy and Radiative Transfer, 2000, 65, 477-499.	2.3	37
151	Observation of Phase-Matched Relativistic Harmonic Generation. Physical Review Letters, 2000, 84, 5528-5531.	7.8	86
152	Excitation and damping of a self-modulated laser wakefield. Physics of Plasmas, 2000, 7, 403-413.	1.9	30
153	Second-harmonic generation and wave-front correction of a terawatt laser system. Optics Letters, 2000, 25, 508.	3.3	29
154	Forward Ion Acceleration in Thin Films Driven by a High-Intensity Laser. Physical Review Letters, 2000, 84, 4108-4111.	7.8	677
155	High-Resolved X-ray Spectra of Hollow Atoms in a Femtosecond Laser-Produced Solid Plasma. Physica Scripta, 1999, T80, 536.	2.5	37
156	Detailed dynamics of electron beams self-trapped and accelerated in a self-modulated laser wakefield. Physics of Plasmas, 1999, 6, 4739-4749.	1.9	48
157	Self-focusing, channel formation, and high-energy ion generation in interaction of an intense short laser pulse with a He jet. Physical Review E, 1999, 59, 7042-7054.	2.1	183
158	Experimental observation of relativistic nonlinear Thomson scattering. Nature, 1998, 396, 653-655.	27.8	247
159	Evolution of a Plasma Waveguide Created during Relativistic-Ponderomotive Self-Channeling of an Intense Laser Pulse. Physical Review Letters, 1998, 80, 2610-2613.	7.8	117
160	Single-shot wave-front measurements of high-intensity ultrashort laser pulses with a three-wave interferometer. Optics Letters, 1998, 23, 621.	3.3	52
161	Wave-front correction of femtosecond terawatt lasers by deformable mirrors. Optics Letters, 1998, 23, 1043.	3.3	104
162	Nonlinear optics in relativistic plasmas. Optics Express, 1998, 2, 282.	3.4	6

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163	<title>Development of a subpicosecond large-dynamic-range x-ray streak camera</title>, Proceedings of SPIE, 1997, , .	0.8	16
164	Application of a picosecond soft x-ray source to time-resolved plasma dynamics. Applied Physics Letters, 1997, 70, 312-314.	3.3	65
165	Electron Acceleration by a Laser Wakefield in a Relativistically Self-Guided Channel. Physical Review Letters, 1997, 78, 3125-3128.	7.8	254
166	Observation of laser satellites in a plasma produced by a femtosecond laser pulse. JETP Letters, 1997, 66, 480-486.	1.4	16
167	Observation of the plasma channel dynamics and Coulomb explosion in the interaction of a high-intensity laser pulse with a He gas jet. JETP Letters, 1997, 66, 828-834.	1.4	30
168	Nonlinear Optics in Relativistic Plasmas and Laser Wake Field Acceleration of Electrons. Science, 1996, 273, 472-475.	12.6	360
169	Signal averaging x-ray streak camera with picosecond jitter. Review of Scientific Instruments, 1996, 67, 697-699.	1.3	34
170	Temporal Characterization of a Self-Modulated Laser Wakefield. Physical Review Letters, 1996, 77, 5381-5384.	7.8	95
171	Picosecond x-rays from subpicosecond-laser-produced hot-dense matter. Journal of Quantitative Spectroscopy and Radiative Transfer, 1995, 54, 401-411.	2.3	8
172	Control of Bright Picosecond X-Ray Emission from Intense Subpicosecond Laser-Plasma Interactions. Physical Review Letters, 1995, 75, 2324-2327.	7.8	63
173	X-ray spectroscopy of hot solid density plasmas produced by subpicosecond high contrast laser pulses at 10^{18} – 10^{19} W/cm ² . Physics of Plasmas, 1995, 2, 1702-1711.	1.9	116
174	Nonlinear temporal diffraction and frequency shifts resulting from pulse shaping in chirped-pulse amplification systems. Optics Letters, 1995, 20, 1163.	3.3	28
175	Nonlinear relativistic optics in the single-cycle, single-wavelength regime with kilohertz repetition rate. , 0, , .		0