Michael C Downer

List of Publications by Year
in descending order

164	3,863	172457	133252
papers	citations	29 h-index	59 g-index

165	165	165	3546
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Out-of-Plane Piezoelectricity and Ferroelectricity in Layered Î±-In₂Se₃ Nanoflakes. Nano Letters, 2017, 17, 5508-5513.	9.1	567
2	Quasi-monoenergetic laser-plasma acceleration of electrons to 2â€‰GeV. Nature Communications, 2013, 4, 1988.	12.8	514
3	Measurement of femtosecond ionization dynamics of atmospheric density gases by spectral blueshifting. Physical Review Letters, 1991, 67, 3523-3526.	7.8	210
4	Snapshots of laser wakefields. Nature Physics, 2006, 2, 749-753.	16.7	196
5	Diagnostics for plasma-based electron accelerators. Reviews of Modern Physics, 2018, 90, .	45.6	107
6	Optical second-harmonic electroreflectance spectroscopy of a Si(001) metal-oxide-semiconductor structure. Physical Review B, 1996, 53, R7607-R7609.	3.2	90
7	Electron self-injection into an evolving plasma bubble: Quasi-monoenergetic laser-plasma acceleration in the blowout regime. Physics of Plasmas, 2011, 18, .	1.9	88
8	Two-photon spectroscopy of silicon using femtosecond pulses at above-gap frequencies. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 84.	2.1	82
9	Optical properties of cluster plasma. Physics of Plasmas, 1999, 6, 3759-3764.	1.9	80
10	Second-harmonic spectroscopy of a Si(001) surface during calibrated variations in temperature and hydrogen coverage. Physical Review B, 1997, 56, 13367-13379.	3.2	79
11	Single-shot tomographic movies of evolving light-velocity objects. Nature Communications, 2014, 5, 3085.	12.8	79
12	Experimental Identification of â€œVacuum Heatingâ€• at Femtosecond-Laser-Irradiated Metal Surfaces. Physical Review Letters, 1999, 82, 4010-4013.	7.8	75
13	dc-electric-field-induced and low-frequency electromodulation second-harmonic generation spectroscopy ofSi(001)â^'SiO2interfaces. Physical Review B, 1999, 60, 8924-8938.	3.2	73
14	Single-Beam and Enhanced Two-Beam Second-Harmonic Generation from Silicon Nanocrystals by Use of Spatially Inhomogeneous Femtosecond Pulses. Physical Review Letters, 2005, 94, 047401.	7.8	69
15	Production and characterization of a fully ionized He plasma channel. Applied Physics Letters, 2000, 77, 4112-4114.	3.3	67
16	Compact tunable Compton x-ray source from laser-plasma accelerator and plasma mirror. Physics of Plasmas, 2015, 22, .	1.9	67
17	Optical second harmonic spectroscopy of semiconductor surfaces: advances in microscopic understanding. Surface and Interface Analysis, 2001, 31, 966-986.	1.8	65
18	Frequency-domain interferometric second-harmonic spectroscopy. Optics Letters, 1999, 24, 496.	3.3	61

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19	Femtosecond carrier-induced screening of dc electric-field-induced second-harmonic generation at the Si(001)â€“SiO_2 interface. Optics Letters, 1997, 22, 901.	3.3	51
20	Second-harmonic generation from silicon nanocrystals embedded in SiO2. Applied Physics Letters, 2001, 78, 766-768.	3.3	49
21	Optical Second Harmonic Spectroscopy of Boron-Reconstructed Si(001). Physical Review Letters, 2000, 84, 3406-3409.	7.8	45
22	Generation and acceleration of electron bunches from a plasma photocathode. Nature Physics, 2019, 15, 1156-1160.	16.7	45
23	Formation of Optical Bullets in Laser-Driven Plasma Bubble Accelerators. Physical Review Letters, 2010, 104, 134801.	7.8	42
24	Numerical modelling of a 10-cm-long multi-GeV laser wakefield accelerator driven by a self-guided petawatt pulse. New Journal of Physics, 2010, 12, 045019.	2.9	41
25	In situ optical second-harmonic-generation monitoring of disilane adsorption and hydrogen desorption during epitaxial growth on Si(001). Applied Physics Letters, 1997, 71, 1376-1378.	3.3	40
26	Analysis of second-harmonic generation by unamplified, high-repetition-rate, ultrashort laser pulses at Si(001) interfaces. IEEE Journal of Selected Topics in Quantum Electronics, 1995, 1, 1145-1155.	2.9	39
27	Optical characterization of temperatureâ€•and compositionâ€•dependent microstructure in asphalt binders. Journal of Microscopy, 2016, 262, 216-225.	1.8	37
28	Studies of laser wakefield structures and electron acceleration in underdense plasmas. Physics of Plasmas, 2008, 15, 056703.	1.9	35
29	New Mechanism for Ferroelectricity in the Perovskite Ca_{2â€“x}Mn_xTi₂O₆ Synthesized by Spark Plasma Sintering. Journal of the American Chemical Society, 2018, 140, 2214-2220.	13.7	32
30	Plasma-based accelerator diagnostics based upon longitudinal interferometry with ultrashort optical pulses. IEEE Transactions on Plasma Science, 1996, 24, 301-315.	1.3	28
31	Frequency-domain streak camera for ultrafast imaging of evolving light-velocity objects. Optics Letters, 2010, 35, 4087.	3.3	28
32	Absolute phase and amplitude of second-order nonlinear optical susceptibility components atSi(001)interfaces. Physical Review B, 2007, 75, .	3.2	27
33	Morphology and kinetics of asphalt binder microstructure at gas, liquid and solid interfaces. Journal of Microscopy, 2019, 276, 109-117.	1.8	26
34	Second-harmonic and reflectance-anisotropy spectroscopy of vicinalSi(001)â•SiO2interfaces: Experiment and simplified microscopic model. Physical Review B, 2006, 73, .	3.2	23
35	Dielectric function and electrical resistivity of liquid carbon determined by femtosecond spectroscopy. International Journal of Thermophysics, 1993, 14, 361-370.	2.1	21
36	Optical second-harmonic spectra of Si(001) with H and Ge adatoms: First-principles theory and experiment. Physical Review B, 2001, 63, .	3.2	21

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37	Single-Shot Visualization of Evolving Laser Wakefields Using an All-Optical Streak Camera. Physical Review Letters, 2014, 113, 085001.	7.8	20
38	Stable Positron Acceleration in Thin, Warm, Hollow Plasma Channels. Physical Review Letters, 2021, 127, 104801.	7.8	20
39	Reflected fourth-harmonic radiation from a centrosymmetric crystal. Optics Letters, 1998, 23, 918.	3.3	19
40	Fourth-harmonic generation at a crystalline GaAs(001) surface. Optics Letters, 1997, 22, 973.	3.3	18
41	Second-harmonic spectroscopy of Ge/Si(001) and Si 1-x Ge x (001)/Si(001). Applied Physics B: Lasers and Optics, 1999, 68, 641-648.	2.2	18
42	Spectroscopic evaluation of band alignment of atomic layer deposited BeO on Si(100). Applied Physics Letters, 2012, 100, .	3.3	18
43	Third and fourth harmonic generation at Si-SiO 2 interfaces and in Si-SiO 2 -Cr MOS structures. Applied Physics B: Lasers and Optics, 1999, 68, 325-332.	2.2	17
44	Second-harmonic amplitude and phase spectroscopy by use of broad-bandwidth femtosecond pulses. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 2548.	2.1	16
45	Optical second harmonic spectra of silicon-adatom surfaces: theory and experiment. Thin Solid Films, 2000, 364, 1-5.	1.8	15
46	Spatio-temporal profiling of cluster mass fraction in a pulsed supersonic gas jet by frequency-domain holography. Journal of Applied Physics, 2013, 114, .	2.5	15
47	Coherent Optical Signatures of Electron Microbunching in Laser-Driven Plasma Accelerators. Physical Review Letters, 2020, 125, 014801.	7.8	15
48	In situ control and monitoring of doped and compositionally graded SiGe films using spectroscopic ellipsometry and second harmonic generation. Applied Surface Science, 2000, 154-155, 229-237.	6.1	14
49	Second-harmonic spectroscopy of bulk boron-doped Si(001). Applied Physics Letters, 2000, 77, 181-183.	3.3	14
50	Second-harmonic and linear optical spectroscopic study of silicon nanocrystals embedded in SiO2. Physical Review B, 2011, 84, .	3.2	14
51	Effects of laser polarization and wavelength on hybrid laser wakefield and direct acceleration. Plasma Physics and Controlled Fusion, 2018, 60, 105002.	2.1	14
52	Simulation study of CO2 laser-plasma interactions and self-modulated wakefield acceleration. Physics of Plasmas, 2019, 26, 083106.	1.9	14
53	Dissipation of electron-beam-driven plasma wakes. Nature Communications, 2020, 11, 4753.	12.8	14
54	Piezoelectric modulation of nonlinear optical response in BaTiO3 thin film. Applied Physics Letters, 2018, 113, 132902.	3.3	13

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55	Propagation of intense laser pulses through inhomogeneous ionizing gas profiles. IEEE Transactions on Plasma Science, 2000, 28, 1218-1225.	1.3	12
56	Electron Self-Injection into an Evolving Plasma Bubble: The Way to a Dark Current Free GeV-Scale Laser Accelerator. , 2010, , .		12
57	Optical properties of La-incorporated HfO2 upon crystallization. Applied Physics Letters, 2011, 98, 122904.	3.3	12
58	Self-injected petawatt laser-driven plasma electron acceleration in 1017 cmâˆ’3 plasma. Journal of Plasma Physics, 2012, 78, 413-419.	2.1	12
59	Measurement of Twoâ€Photon Absorption of Silicon Nanocrystals in Colloidal Suspension for Bioâ€Imaging Applications. Physica Status Solidi (B): Basic Research, 2018, 255, 1700501.	1.5	12
60	Compact spectroscopy of keV to MeV X-rays from a laser wakefield accelerator. Scientific Reports, 2021, 11, 14368.	3.3	12
61	Frequency-domain measurement of second harmonic phase. Physica Status Solidi (B): Basic Research, 2005, 242, 3001-3006.	1.5	11
62	Surface energy transport following relativistic laser-solid interaction. Physics of Plasmas, 2009, 16, 072702.	1.9	11
63	Size-dependent optical properties of Si nanocrystals embedded in amorphous SiO2 measured by spectroscopic ellipsometry. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 04D112.	1.2	11
64	Band offsets of atomic layer deposited Al₂O₃ and HfO₂ on Si measured by linear and nonlinear internal photoemission. Physica Status Solidi (B): Basic Research, 2012, 249, 1160-1165.	1.5	11
65	Evolution of the self-injection process in long wavelength infrared laser driven LWFA. Physics of Plasmas, 2021, 28, .	1.9	11
66	Laser wakefield electron acceleration on Texas petawatt facility: Towards multi-GeV electron energy in a single self-guided stage. High Energy Density Physics, 2010, 6, 200-206.	1.5	10
67	Two-Photon Excitation Spectroscopy of Silicon Quantum Dots and Ramifications for Bio-Imaging. ACS Nano, 2022, 16, 6023-6033.	14.6	10
68	Resonant photoionization of defects in Si/SiO2/HfO2 film stacks observed by second-harmonic generation. Applied Physics Letters, 2009, 95, 052906.	3.3	9
69	Analytic height correlation function of rough surfaces derived from light scattering. Physical Review E, 2016, 94, 042809.	2.1	9
70	Real-time microscopic and rheometric observations of strain-driven cavitation instability underlying micro-crack formation in asphalt binders. International Journal of Pavement Engineering, 2020, 21, 977-989.	4.4	9
71	Reflected optical fourth harmonic generation at crystalline surfaces. Thin Solid Films, 2000, 364, 80-85.	1.8	8
72	OPTICS: A New Low for Nonlinear Optics. Science, 2002, 298, 373-375.	12.6	8

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73	Optical second-harmonic and reflectance-anisotropy spectroscopy of clean and hydrogen-terminated vicinal Si(001) surfaces. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 981.	2.1	8
74	Role of photo-assisted tunneling in time-dependent second-harmonic generation from Si surfaces with ultrathin oxides. Applied Physics Letters, 2013, 102, 051602.	3.3	8
75	Second-harmonic microscopy of strain fields around through-silicon-vias. Applied Physics Letters, 2016, 108, .	3.3	8
76	Self-aligning concave relativistic plasma mirror with adjustable focus. Physics of Plasmas, 2017, 24, .	1.9	8
77	Hot carrier injection from nanometer-thick silicon-on-insulator films measured by optical second-harmonic generation. Applied Physics Letters, 2010, 96, 241105.	3.3	7
78	Single-shot visualization of evolving plasma wakefields. AIP Conference Proceedings, 2016, , .	0.4	7
79	Polarization retention in ultra-thin barium titanate films on Ge(001). Applied Physics Letters, 2018, 112, .	3.3	7
80	Correlated timeâ€variation of bulk microstructure and rheology in asphalt binders. Journal of Microscopy, 2018, 271, 282-292.	1.8	7
81	Im{Ï‡(3)} spectra of 110-cut GaAs, GaP, and Si near the two-photon absorption band edge. Journal of Applied Physics, 2021, 129, 183109.	2.5	7
82	Optical Second Harmonic Spectroscopy of Silicon Surfaces, Interfaces and Nanocrystals. Physica Status Solidi A, 2001, 188, 1371-1381.	1.7	6
83	Observation of interfacial electrostatic field-induced changes in the silicon dielectric function using spectroscopic ellipsometry. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 918-921.	1.8	6
84	Picosecond time scale dynamics of short pulse laser-driven shocks in tin. Journal of Applied Physics, 2009, 105, 093523.	2.5	6
85	Characterization of anti-phase boundaries in hetero-epitaxial polar-on-nonpolar semiconductor films by optical second-harmonic generation. Applied Physics Letters, 2013, 102, .	3.3	6
86	Electric-field-induced second-harmonic microscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 3081-3085.	0.8	5
87	Second-harmonic spectroscopy of Si nanocrystals embedded in silica. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2662-2666.	0.8	5
88	Hot-wire chemical vapor deposition of silicon nanoparticles on fused silica. Thin Solid Films, 2009, 517, 3481-3483.	1.8	5
89	Distinctive physical effects and applications approaching the relativistic lambda-cubed regime. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 223-232.	2.9	4
90	Charge trapping defects in Si/SiO2/Hf(1â^'x)SixO2 film stacks characterized by spectroscopic second-harmonic generation. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 04D101.	1.2	4

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91	Mid-IR, CO2-Laser driven, Self-Modulated Wakes. , 2017, , .		4
92	Charge Disproportionation and Complex Magnetism in a PbMnO3 Perovskite Synthesized under High Pressure. Chemistry of Materials, 2021, 33, 92-101.	6.7	4
93	Ion dynamics driven by a strongly nonlinear plasma wake. Plasma Physics and Controlled Fusion, 2022, 64, 045003.	2.1	4
94	Guiding characteristics of an acoustic standing wave in a piezoelectric tube. Applied Physics Letters, 1998, 73, 2902-2904.	3.3	3
95	Phase-sensitive electric-field-induced second-harmonic microscopy of metal-semiconductor junctions. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2736.	2.1	3
96	Blueâ€shift of E₂ critical point resonance in optical secondâ€harmonic spectrum of Si nanocrystals. Physica Status Solidi (B): Basic Research, 2012, 249, 1166-1172.	1.5	3
97	Two-color terawatt laser system for high-intensity laser-plasma experiments. , 2013, , .		3
98	Strain-dependence of Ï‡(2) in thin film barium strontium titanate. AIP Advances, 2019, 9, .	1.3	3
99	In-line Spectral Interferometry in Shortwave-Infrared Laser Filaments in Air. Physical Review Letters, 2019, 123, 223203.	7.8	3
100	Optical Second Harmonic Spectroscopy of Silicon Surfaces, Interfaces and Nanocrystals. , 2001, 188, 1371.		3
101	A Study of Secondâ€Order Susceptibility in Digital Alloyâ€Grown InAs/AlSb Multiple Quantum Wells. Advanced Optical Materials, 0, , 2102845.	7.3	3
102	Reflectance-difference and second-harmonic generation: a meeting of two surface spectroscopies. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 3055-3059.	0.8	2
103	Simplified bond model of spectroscopic SHG and RAS of oxidized and reconstructed vicinal Si(001). Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 3973-3977.	0.8	2
104	Second-harmonic spectroscopy of nano-interfaces. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4067-4071.	0.8	2
105	Snapshots of Laser-Generated Wakefields. AIP Conference Proceedings, 2006, , .	0.4	2
106	Optical secondâ€harmonic and reflectanceâ€anisotropy spectroscopy of molecular adsorption at Si(001) stepâ€edges. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2551-2555.	0.8	2
107	Global optimization of quasi-monoenergetic electron beams from laser wakefield accelerators. , 2013, , .		2
108	Compact tunable Compton x-ray source from laser wakefield accelerator and plasma mirror. AIP Conference Proceedings, 2016, , .	0.4	2

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109	Generation of tens-of-MeV photons by compton backscatter from laser-plasma-accelerated GeV electrons. AIP Conference Proceedings, 2017, , .	0.4	2
110	Spin freezing into a disordered state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CaFeT</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> synthesized under high pressure. Physical Review B, 2018, 98, .	3.2	2
111	Detection of Subsurface, Nanometerâ€Scale Crystallographic Defects by Nonlinear Light Scattering and Localization. Advanced Optical Materials, 2021, 9, 2002252.	7.3	2
112	Second-harmonic and linear spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mi>x</mml:mi> Physical Review Materials, 2022, 6, .	2.4	2
113	Calorimeter with Bayesian unfolding of spectra of high-flux broadband x rays. Review of Scientific Instruments, 2022, 93, 043102.	1.3	2
114	Faraday rotation study of plasma bubbles in GeV wakefield accelerators. Physics of Plasmas, 2021, 28, .	1.9	2
115	Real-Time Femtosecond Ellipsometry of Si_xGe_{1â^'x} Epilayers. Materials Research Society Symposia Proceedings, 1992, 263, 317.	0.1	1
116	Second-harmonic imaging of ZnO nanoparticles. , 2007, , .		1
117	Optical second-harmonic generation study of charge trapping dynamics in HfO2/SiO2 films on Si(100). Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2667-2670.	0.8	1
118	Laser-driven Acceleration in Clustered Plasmas. , 2009, , .		1
119	Frequency-Domain Streak Camera and Tomography for Ultrafast Imaging of Evolving and Channeled Plasma Accelerator Structures. , 2010, , .		1
120	Surface second harmonic generation induced by 3D strain fields. Physica Status Solidi (B): Basic Research, 2016, 253, 218-225.	1.5	1
121	Betatron x-rays from GeV laser-plasma-accelerated electrons. AIP Conference Proceedings, 2016, , .	0.4	1
122	Spectral Analysis of 50â€“100 MeV Thomson Backscatter Gamma-rays from GeV Laser-Plasma Accelerator. , 2018, , .		1
123	Optical second harmonic spectroscopy of semiconductor surfaces: advances in microscopic understanding. Surface and Interface Analysis, 2001, 31, 966-986.	1.8	1
124	Femtosecond Laser Melting of Graphite and Diamond. Materials Research Society Symposia Proceedings, 1989, 157, 425.	0.1	0
125	Femtosecond reflectance spectroscopy of a rarefaction wave front. , 1993, , .		0
126	Separation of Bulk and Surface Nonlinear Contributions at Si. , 1996, , .		0

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127	Femtosecond pulse stretcher based on a modified Offner triplet. , 1998, , .		0
128	Chirped-pulse single-shot diagnostic of a plasma channel. , 0, , .		0
129	Chirped-pulse single-shot diagnostic of a plasma channel. , 1998, , .		0
130	Excitation and measurement of laser induced wakefields. , 1999, , .		0
131	Efficient excitation and measurement of plasma channels. , 1999, , .		0
132	Experimental identification of vacuum heating at femtosecond-laser-irradiated metal surfaces. , 0, , .		0
133	Frequency domain interferometric second harmonic spectroscopy of a Si MOS structure. , 0, , .		0
134	Electromodulated third harmonic generation: a new window on surface Ï‡/sup (4)/. , 0, , .		0
135	High-order nonlinear interferometry at Si[110] buried interface. , 0, , .		0
136	Plasma channels in doubly-ionized helium. , 0, , .		0
137	Nonlinear optics and spectroscopic ellipsometry as complementary sensors to monitor and control SiGe growth. , 0, , .		0
138	Summary report of Working Group 2 on laser-plasma acceleration concepts. AIP Conference Proceedings, 2001, , .	0.4	0
139	Optimization of laser wakefield acceleration. AIP Conference Proceedings, 2001, , .	0.4	0
140	Second-harmonic generation from silicon nanocrystals embedded in SiO/sub 2/. , 2001, , .		0
141	Real-time phase mask synthesis for generation of arbitrarily complex waveforms using Gerberg-Saxton algorithm. , 2001, , .		0
142	Distortion-free guiding of 0.2 Ã— 10/sup 18/ W/cm/sup 2/ pulses through a fully-ionized 1.5 cm He plasma channel. , 0, , .		0
143	Second harmonic phase spectroscopy: frequency vs. time domain. , 0, , .		0
144	Second harmonic spectroscopy of two-dimensional Si nanocrystal layers. , 0, , .		0

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145	Femtosecond Pump-Probe Diagnostics of Preformed Plasma Channels. AIP Conference Proceedings, 2004, , .	0.4	0
146	Second-harmonic characterization of Si/Hf(/sub 1-x/)Si/sub x/O/sub 2/ interfaces. , 2005, , .		0
147	Femtosecond Pump-Probe Diagnostics of Preformed Plasma Channels. , 0, , .		0
148	Quadrupolar SHG enhancement in isotropic materials using two orthogonally polarized laser beams. , 0, , .		0
149	Stimulated Raman Scattering and Compression of Chirped TW Laser Pulses for Two-Color High Intensity Experiments. , 0, , .		0
150	Coherent superposition of quadrupolar SHG from isotropic materials using two orthogonally polarized laser beams. , 2006, , .		0
151	Single-shot, real-time measurement of laser wakefields using frequency domain holography (FDH). , 2006, , .		0
152	Phase determination of bulk and surface contributions to second-harmonic generation from the Si(001) surface. , 2006, , .		0
153	All-Optical Control of Nonlinear Self-Focusing in Plasmas Using Non-Resonantly Driven Plasma Wave. , 2010, , .		0
154	Single-shot visualization of evolving laser- or beam-driven plasma wakefield accelerators. , 2013, , .		0
155	Laser-Plasma Acceleration of Electrons to 2 GeV and Beyond. , 2014, , .		0
156	Investigating Instabilities of Long, Intense Laser Pulses in Plasma Wakefield Accelerators. , 2018, , .		0
157	Observations of Coherent Optical Transition Radiation Interference Fringes Generated by Laser Plasma Accelerator Electron Beamlets. , 2018, , .		0
158	Compact High-Resolution Multi-GeV Electron Spectrometer for PW-Laser-Driven Plasma Accelerators and Approximate Trajectory Method for Spectrum Analysis. , 2018, , .		0
159	Second harmonie spectroscopy of Si surfaces with H, Ge, and B adsorbates: experiment and theory. , 2000, , .		0
160	Characterization of cluster/monomer ratio in pulsed supersonic gas jets. , 2008, , .		0
161	Second-harmonic generation spectroscopic study of silicon nanocrystals embedded in SiO2. , 2011, , .		0
162	Femtosecond lasers in high temperature materials science: creating and probing the liquid phase of carbon. , 1990, , .		0

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163	Faraday Rotation Probe of Laser-Plasma Bubble Structures in Petawatt-Driven Wakes. , 2017, , .		0
164	Terawatt chirped pulse Raman amplified laser for two-color experiments. Optical Engineering, 2020, 59, 1.	1.0	0