

Michael C Downer

List of Publications by Year in descending order

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164
papers

3,863
citations

172207

29
h-index

133063

59
g-index

165
all docs

165
docs citations

165
times ranked

3546
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion dynamics driven by a strongly nonlinear plasma wake. Plasma Physics and Controlled Fusion, 2022, 64, 045003.	0.9	4
2	Two-Photon Excitation Spectroscopy of Silicon Quantum Dots and Ramifications for Bio-Imaging. ACS Nano, 2022, 16, 6023-6033.	7.3	10
3	Second-harmonic and linear spectroscopy of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{\text{a}} \langle \text{mml:rotext} \rangle \langle \text{mml:msub} \rangle$ Physical Review Materials, 2022, 6, .		
4	Calorimeter with Bayesian unfolding of spectra of high-flux broadband x rays. Review of Scientific Instruments, 2022, 93, 043102.	0.6	2
5	Charge Disproportionation and Complex Magnetism in a PbMnO ₃ Perovskite Synthesized under High Pressure. Chemistry of Materials, 2021, 33, 92-101.	3.2	4
6	Evolution of the self-injection process in long wavelength infrared laser driven LWFA. Physics of Plasmas, 2021, 28, .	0.7	11
7	$\text{Im}\{\hat{\Gamma}(3)\}$ spectra of 110-cut GaAs, GaP, and Si near the two-photon absorption band edge. Journal of Applied Physics, 2021, 129, 183109.	1.1	7
8	Detection of Subsurface, Nanometer-scale Crystallographic Defects by Nonlinear Light Scattering and Localization. Advanced Optical Materials, 2021, 9, 2002252.	3.6	2
9	Compact spectroscopy of keV to MeV X-rays from a laser wakefield accelerator. Scientific Reports, 2021, 11, 14368.	1.6	12
10	Stable Positron Acceleration in Thin, Warm, Hollow Plasma Channels. Physical Review Letters, 2021, 127, 104801.	2.9	20
11	Faraday rotation study of plasma bubbles in GeV wakefield accelerators. Physics of Plasmas, 2021, 28, .	0.7	2
12	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.	2.2	9
13	Dissipation of electron-beam-driven plasma wakes. Nature Communications, 2020, 11, 4753.	5.8	14
14	Coherent Optical Signatures of Electron Microbunching in Laser-Driven Plasma Accelerators. Physical Review Letters, 2020, 125, 014801.	2.9	15
15	Terawatt chirped pulse Raman amplified laser for two-color experiments. Optical Engineering, 2020, 59, 1.	0.5	0
16	Simulation study of CO ₂ laser-plasma interactions and self-modulated wakefield acceleration. Physics of Plasmas, 2019, 26, 083106.	0.7	14
17	Generation and acceleration of electron bunches from a plasma photocathode. Nature Physics, 2019, 15, 1156-1160.	6.5	45
18	Strain-dependence of $\hat{\Gamma}(2)$ in thin film barium strontium titanate. AIP Advances, 2019, 9, .	0.6	3

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19	Morphology and kinetics of asphalt binder microstructure at gas, liquid and solid interfaces. Journal of Microscopy, 2019, 276, 109-117.	0.8	26
20	In-line Spectral Interferometry in Shortwave-Infrared Laser Filaments in Air. Physical Review Letters, 2019, 123, 223203.	2.9	3
21	Polarization retention in ultra-thin barium titanate films on Ge(001). Applied Physics Letters, 2018, 112, .	1.5	7
22	Measurement of Two-Photon Absorption of Silicon Nanocrystals in Colloidal Suspension for Bio-Imaging Applications. Physica Status Solidi (B): Basic Research, 2018, 255, 1700501.	0.7	12
23	New Mechanism for Ferroelectricity in the Perovskite $\text{Ca}_{2-x}\text{Mn}_x\text{Ti}_2\text{O}_6$ Synthesized by Spark Plasma Sintering. Journal of the American Chemical Society, 2018, 140, 2214-2220.	6.6	32
24	Spectral Analysis of 50-100 MeV Thomson Backscatter Gamma-rays from GeV Laser-Plasma Accelerator. , 2018, , .		1
25	Investigating Instabilities of Long, Intense Laser Pulses in Plasma Wakefield Accelerators. , 2018, , .		0
26	Observations of Coherent Optical Transition Radiation Interference Fringes Generated by Laser Plasma Accelerator Electron Beamlets. , 2018, , .		0
27	Compact High-Resolution Multi-GeV Electron Spectrometer for PW-Laser-Driven Plasma Accelerators and Approximate Trajectory Method for Spectrum Analysis. , 2018, , .		0
28	Piezoelectric modulation of nonlinear optical response in BaTiO ₃ thin film. Applied Physics Letters, 2018, 113, 132902.	1.5	13
29	Effects of laser polarization and wavelength on hybrid laser wakefield and direct acceleration. Plasma Physics and Controlled Fusion, 2018, 60, 105002.	0.9	14
30	Correlated time-variation of bulk microstructure and rheology in asphalt binders. Journal of Microscopy, 2018, 271, 282-292.	0.8	7
31	Spin freezing into a disordered state in CaFe_2O_6 synthesized under high pressure. Physical Review B, 2018, 98, .	1.1	2
32	Diagnostics for plasma-based electron accelerators. Reviews of Modern Physics, 2018, 90, .	16.4	107
33	Self-aligning concave relativistic plasma mirror with adjustable focus. Physics of Plasmas, 2017, 24, .	0.7	8
34	Out-of-Plane Piezoelectricity and Ferroelectricity in Layered In_2Se_3 Nanoflakes. Nano Letters, 2017, 17, 5508-5513.	4.5	567
35	Generation of tens-of-MeV photons by Compton backscatter from laser-plasma-accelerated GeV electrons. AIP Conference Proceedings, 2017, , .	0.3	2
36	Mid-IR, CO ₂ -Laser driven, Self-Modulated Wakes. , 2017, , .		4

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37	Faraday Rotation Probe of Laser-Plasma Bubble Structures in Petawatt-Driven Wakes. , 2017, , .		0
38	Surface second harmonic generation induced by 3D strain fields. Physica Status Solidi (B): Basic Research, 2016, 253, 218-225.	0.7	1
39	Betatron x-rays from GeV laser-plasma-accelerated electrons. AIP Conference Proceedings, 2016, , .	0.3	1
40	Second-harmonic microscopy of strain fields around through-silicon-vias. Applied Physics Letters, 2016, 108, .	1.5	8
41	Optical characterization of temperatureâ€and compositionâ€dependent microstructure in asphalt binders. Journal of Microscopy, 2016, 262, 216-225.	0.8	37
42	Analytic height correlation function of rough surfaces derived from light scattering. Physical Review E, 2016, 94, 042809.	0.8	9
43	Single-shot visualization of evolving plasma wakefields. AIP Conference Proceedings, 2016, , .	0.3	7
44	Compact tunable Compton x-ray source from laser wakefield accelerator and plasma mirror. AIP Conference Proceedings, 2016, , .	0.3	2
45	Compact tunable Compton x-ray source from laser-plasma accelerator and plasma mirror. Physics of Plasmas, 2015, 22, .	0.7	67
46	Laser-Plasma Acceleration of Electrons to 2 GeV and Beyond. , 2014, , .		0
47	Single-shot tomographic movies of evolving light-velocity objects. Nature Communications, 2014, 5, 3085.	5.8	79
48	Single-Shot Visualization of Evolving Laser Wakefields Using an All-Optical Streak Camera. Physical Review Letters, 2014, 113, 085001.	2.9	20
49	Quasi-monoenergetic laser-plasma acceleration of electrons to 2â€GeV. Nature Communications, 2013, 4, 1988.	5.8	514
50	Role of photo-assisted tunneling in time-dependent second-harmonic generation from Si surfaces with ultrathin oxides. Applied Physics Letters, 2013, 102, 051602.	1.5	8
51	Characterization of anti-phase boundaries in hetero-epitaxial polar-on-nonpolar semiconductor films by optical second-harmonic generation. Applied Physics Letters, 2013, 102, .	1.5	6
52	Spatio-temporal profiling of cluster mass fraction in a pulsed supersonic gas jet by frequency-domain holography. Journal of Applied Physics, 2013, 114, .	1.1	15
53	Two-color terawatt laser system for high-intensity laser-plasma experiments. , 2013, , .		3
54	Single-shot visualization of evolving laser- or beam-driven plasma wakefield accelerators. , 2013, , .		0

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55	Global optimization of quasi-monoenergetic electron beams from laser wakefield accelerators. , 2013, , .		2
56	Spectroscopic evaluation of band alignment of atomic layer deposited BeO on Si(100). Applied Physics Letters, 2012, 100, .	1.5	18
57	Self-injected petawatt laser-driven plasma electron acceleration in 1017 cm ³ plasma. Journal of Plasma Physics, 2012, 78, 413-419.	0.7	12
58	Blue-shift of $E_{2\omega}$ critical point resonance in optical second-harmonic spectrum of Si nanocrystals. Physica Status Solidi (B): Basic Research, 2012, 249, 1166-1172.	0.7	3
59	Band offsets of atomic layer deposited Al ₂ O ₃ and HfO ₂ on Si measured by linear and nonlinear internal photoemission. Physica Status Solidi (B): Basic Research, 2012, 249, 1160-1165.	0.7	11
60	Second-harmonic and linear optical spectroscopic study of silicon nanocrystals embedded in SiO ₂ . Physical Review B, 2011, 84, .	1.1	14
61	Optical properties of La-incorporated HfO ₂ upon crystallization. Applied Physics Letters, 2011, 98, 122904.	1.5	12
62	Size-dependent optical properties of Si nanocrystals embedded in amorphous SiO ₂ measured by spectroscopic ellipsometry. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, 04D112.	0.6	11
63	Charge trapping defects in Si/SiO ₂ /Hf(1-x)Si _x O ₂ film stacks characterized by spectroscopic second-harmonic generation. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, 04D101.	0.6	4
64	Electron self-injection into an evolving plasma bubble: Quasi-monoenergetic laser-plasma acceleration in the blowout regime. Physics of Plasmas, 2011, 18, .	0.7	88
65	Second-harmonic generation spectroscopic study of silicon nanocrystals embedded in SiO ₂ . , 2011, , .		0
66	Electron Self-Injection into an Evolving Plasma Bubble: The Way to a Dark Current Free GeV-Scale Laser Accelerator. , 2010, , .		12
67	Formation of Optical Bullets in Laser-Driven Plasma Bubble Accelerators. Physical Review Letters, 2010, 104, 134801.	2.9	42
68	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.	0.4	10
69	Frequency-Domain Streak Camera and Tomography for Ultrafast Imaging of Evolving and Channeled Plasma Accelerator Structures. , 2010, , .		1
70	All-Optical Control of Nonlinear Self-Focusing in Plasmas Using Non-Resonantly Driven Plasma Wave. , 2010, , .		0
71	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.	1.2	41
72	Frequency-domain streak camera for ultrafast imaging of evolving light-velocity objects. Optics Letters, 2010, 35, 4087.	1.7	28

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73	Optical second-harmonic and reflectance-anisotropy spectroscopy of clean and hydrogen-terminated vicinal Si(001) surfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 981.	0.9	8
74	Hot carrier injection from nanometer-thick silicon-on-insulator films measured by optical second-harmonic generation. <i>Applied Physics Letters</i> , 2010, 96, 241105.	1.5	7
75	Picosecond time scale dynamics of short pulse laser-driven shocks in tin. <i>Journal of Applied Physics</i> , 2009, 105, 093523.	1.1	6
76	Resonant photoionization of defects in Si/SiO ₂ /HfO ₂ film stacks observed by second-harmonic generation. <i>Applied Physics Letters</i> , 2009, 95, 052906.	1.5	9
77	Hot-wire chemical vapor deposition of silicon nanoparticles on fused silica. <i>Thin Solid Films</i> , 2009, 517, 3481-3483.	0.8	5
78	Surface energy transport following relativistic laser-solid interaction. <i>Physics of Plasmas</i> , 2009, 16, 072702.	0.7	11
79	Laser-driven Acceleration in Clustered Plasmas. , 2009, , .		1
80	Optical second-harmonic generation study of charge trapping dynamics in HfO ₂ /SiO ₂ films on Si(100). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 2667-2670.	0.8	1
81	Optical second-harmonic and reflectance-anisotropy spectroscopy of molecular adsorption at Si(001) step-edges. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 2551-2555.	0.8	2
82	Second-harmonic spectroscopy of Si nanocrystals embedded in silica. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 2662-2666.	0.8	5
83	Observation of interfacial electrostatic field-induced changes in the silicon dielectric function using spectroscopic ellipsometry. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 918-921.	0.8	6
84	Studies of laser wakefield structures and electron acceleration in underdense plasmas. <i>Physics of Plasmas</i> , 2008, 15, 056703.	0.7	35
85	Characterization of cluster/monomer ratio in pulsed supersonic gas jets. , 2008, , .		0
86	Absolute phase and amplitude of second-order nonlinear optical susceptibility components at Si(001) interfaces. <i>Physical Review B</i> , 2007, 75, .	1.1	27
87	Second-harmonic imaging of ZnO nanoparticles. , 2007, , .		1
88	Phase-sensitive electric-field-induced second-harmonic microscopy of metal-semiconductor junctions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2736.	0.9	3
89	Second-harmonic and reflectance-anisotropy spectroscopy of vicinal Si(001)-SiO ₂ interfaces: Experiment and simplified microscopic model. <i>Physical Review B</i> , 2006, 73, .	1.1	23
90	Snapshots of laser wakefields. <i>Nature Physics</i> , 2006, 2, 749-753.	6.5	196

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91	Distinctive physical effects and applications approaching the relativistic lambda-cubed regime. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 223-232.	1.9	4
92	Snapshots of Laser-Generated Wakefields. AIP Conference Proceedings, 2006, , .	0.3	2
93	Coherent superposition of quadrupolar SHG from isotropic materials using two orthogonally polarized laser beams. , 2006, , .		0
94	Single-shot, real-time measurement of laser wakefields using frequency domain holography (FDH). , 2006, , .		0
95	Phase determination of bulk and surface contributions to second-harmonic generation from the Si(001) surface. , 2006, , .		0
96	Second-harmonic characterization of Si/Hf(/sub 1-x)Si/sub x/O/sub 2/ interfaces. , 2005, , .		0
97	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
98	Second-harmonic spectroscopy of nano-interfaces. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4067-4071.	0.8	2
99	Frequency-domain measurement of second harmonic phase. Physica Status Solidi (B): Basic Research, 2005, 242, 3001-3006.	0.7	11
100	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.	2.9	69
101	Femtosecond Pump-Probe Diagnostics of Preformed Plasma Channels. AIP Conference Proceedings, 2004, , .	0.3	0
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	Electric-field-induced second-harmonic microscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 3081-3085.	0.8	5
104	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.	0.9	16
105	OPTICS: A New Low for Nonlinear Optics. Science, 2002, 298, 373-375.	6.0	8
106	Second-harmonic generation from silicon nanocrystals embedded in SiO2. Applied Physics Letters, 2001, 78, 766-768.	1.5	49
107	Summary report of Working Group 2 on laser-plasma acceleration concepts. AIP Conference Proceedings, 2001, , .	0.3	0
108	Optimization of laser wakefield acceleration. AIP Conference Proceedings, 2001, , .	0.3	0

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109	Optical second harmonic spectroscopy of semiconductor surfaces: advances in microscopic understanding. <i>Surface and Interface Analysis</i> , 2001, 31, 966-986.	0.8	65
110	Optical Second Harmonic Spectroscopy of Silicon Surfaces, Interfaces and Nanocrystals. <i>Physica Status Solidi A</i> , 2001, 188, 1371-1381.	1.7	6
111	Second-harmonic generation from silicon nanocrystals embedded in SiO ₂ . , 2001, , .		0
112	Real-time phase mask synthesis for generation of arbitrarily complex waveforms using Gerberg-Saxton algorithm. , 2001, , .		0
113	Optical second-harmonic spectra of Si(001) with H and Ge adatoms: First-principles theory and experiment. <i>Physical Review B</i> , 2001, 63, .	1.1	21
114	Optical Second Harmonic Spectroscopy of Silicon Surfaces, Interfaces and Nanocrystals. , 2001, 188, 1371.		3
115	Optical second harmonic spectroscopy of semiconductor surfaces: advances in microscopic understanding. <i>Surface and Interface Analysis</i> , 2001, 31, 966-986.	0.8	1
116	Optical second harmonic spectra of silicon-adatom surfaces: theory and experiment. <i>Thin Solid Films</i> , 2000, 364, 1-5.	0.8	15
117	Reflected optical fourth harmonic generation at crystalline surfaces. <i>Thin Solid Films</i> , 2000, 364, 80-85.	0.8	8
118	In situ control and monitoring of doped and compositionally graded SiGe films using spectroscopic ellipsometry and second harmonic generation. <i>Applied Surface Science</i> , 2000, 154-155, 229-237.	3.1	14
119	Propagation of intense laser pulses through inhomogeneous ionizing gas profiles. <i>IEEE Transactions on Plasma Science</i> , 2000, 28, 1218-1225.	0.6	12
120	Optical Second Harmonic Spectroscopy of Boron-Reconstructed Si(001). <i>Physical Review Letters</i> , 2000, 84, 3406-3409.	2.9	45
121	Second-harmonic spectroscopy of bulk boron-doped Si(001). <i>Applied Physics Letters</i> , 2000, 77, 181-183.	1.5	14
122	Production and characterization of a fully ionized He plasma channel. <i>Applied Physics Letters</i> , 2000, 77, 4112-4114.	1.5	67
123	Second harmonic spectroscopy of Si surfaces with H, Ge, and B adsorbates: experiment and theory. , 2000, , .		0
124	Excitation and measurement of laser induced wakefields. , 1999, , .		0
125	Efficient excitation and measurement of plasma channels. , 1999, , .		0
126	dc-electric-field-induced and low-frequency electromodulation second-harmonic generation spectroscopy of Si(001)-SiO ₂ interfaces. <i>Physical Review B</i> , 1999, 60, 8924-8938.	1.1	73

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127	Optical properties of cluster plasma. <i>Physics of Plasmas</i> , 1999, 6, 3759-3764.	0.7	80
128	Third and fourth harmonic generation at Si-SiO ₂ interfaces and in Si-SiO ₂ -Cr MOS structures. <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 325-332.	1.1	17
129	Second-harmonic spectroscopy of Ge/Si(001) and Si _{1-x} Ge _x (001)/Si(001). <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 641-648.	1.1	18
130	Experimental Identification of "Vacuum Heating" at Femtosecond-Laser-Irradiated Metal Surfaces. <i>Physical Review Letters</i> , 1999, 82, 4010-4013.	2.9	75
131	Frequency-domain interferometric second-harmonic spectroscopy. <i>Optics Letters</i> , 1999, 24, 496.	1.7	61
132	Reflected fourth-harmonic radiation from a centrosymmetric crystal. <i>Optics Letters</i> , 1998, 23, 918.	1.7	19
133	Femtosecond pulse stretcher based on a modified Offner triplet. , 1998, , .		0
134	Guiding characteristics of an acoustic standing wave in a piezoelectric tube. <i>Applied Physics Letters</i> , 1998, 73, 2902-2904.	1.5	3
135	Chirped-pulse single-shot diagnostic of a plasma channel. , 1998, , .		0
136	Second-harmonic spectroscopy of a Si(001) surface during calibrated variations in temperature and hydrogen coverage. <i>Physical Review B</i> , 1997, 56, 13367-13379.	1.1	79
137	In situ optical second-harmonic-generation monitoring of disilane adsorption and hydrogen desorption during epitaxial growth on Si(001). <i>Applied Physics Letters</i> , 1997, 71, 1376-1378.	1.5	40
138	Femtosecond carrier-induced screening of dc electric-field-induced second-harmonic generation at the Si(001)-SiO ₂ interface. <i>Optics Letters</i> , 1997, 22, 901.	1.7	51
139	Fourth-harmonic generation at a crystalline GaAs(001) surface. <i>Optics Letters</i> , 1997, 22, 973.	1.7	18
140	Plasma-based accelerator diagnostics based upon longitudinal interferometry with ultrashort optical pulses. <i>IEEE Transactions on Plasma Science</i> , 1996, 24, 301-315.	0.6	28
141	Separation of Bulk and Surface Nonlinear Contributions at Si. , 1996, , .		0
142	Optical second-harmonic electroreflectance spectroscopy of a Si(001) metal-oxide-semiconductor structure. <i>Physical Review B</i> , 1996, 53, R7607-R7609.	1.1	90
143	Analysis of second-harmonic generation by unamplified, high-repetition-rate, ultrashort laser pulses at Si(001) interfaces. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1995, 1, 1145-1155.	1.9	39
144	Dielectric function and electrical resistivity of liquid carbon determined by femtosecond spectroscopy. <i>International Journal of Thermophysics</i> , 1993, 14, 361-370.	1.0	21

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145	Femtosecond reflectance spectroscopy of a rarefaction wave front. , 1993, , .		0
146	Real-Time Femtosecond Ellipsometry of Si _x Ge _{1-x} Epilayers. Materials Research Society Symposia Proceedings, 1992, 263, 317.	0.1	1
147	Measurement of femtosecond ionization dynamics of atmospheric density gases by spectral blueshifting. Physical Review Letters, 1991, 67, 3523-3526.	2.9	210
148	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.	0.9	82
149	Femtosecond lasers in high temperature materials science: creating and probing the liquid phase of carbon. , 1990, , .		0
150	Femtosecond Laser Melting of Graphite and Diamond. Materials Research Society Symposia Proceedings, 1989, 157, 425.	0.1	0
151	Chirped-pulse single-shot diagnostic of a plasma channel. , 0, , .		0
152	Experimental identification of vacuum heating at femtosecond-laser-irradiated metal surfaces. , 0, , .		0
153	Frequency domain interferometric second harmonic spectroscopy of a Si MOS structure. , 0, , .		0
154	Electromodulated third harmonic generation: a new window on surface ϵ'' / ⁽⁴⁾ . , 0, , .		0
155	High-order nonlinear interferometry at Si[110] buried interface. , 0, , .		0
156	Plasma channels in doubly-ionized helium. , 0, , .		0
157	Nonlinear optics and spectroscopic ellipsometry as complementary sensors to monitor and control SiGe growth. , 0, , .		0
158	Distortion-free guiding of $0.2 \text{ Å}^{-1} - 10^{18} \text{ W/cm}^2$ pulses through a fully-ionized 1.5 cm He plasma channel. , 0, , .		0
159	Second harmonic phase spectroscopy: frequency vs. time domain. , 0, , .		0
160	Second harmonic spectroscopy of two-dimensional Si nanocrystal layers. , 0, , .		0
161	Femtosecond Pump-Probe Diagnostics of Preformed Plasma Channels. , 0, , .		0
162	Quadrupolar SHG enhancement in isotropic materials using two orthogonally polarized laser beams. , 0, , .		0

#	ARTICLE	IF	CITATIONS
163	Stimulated Raman Scattering and Compression of Chirped TW Laser Pulses for Two-Color High Intensity Experiments. , 0, , .		0
164	A Study of Second-Order Susceptibility in Digital Alloy-Grown InAs/AlSb Multiple Quantum Wells. Advanced Optical Materials, 0, , 2102845.	3.6	3