Katsumi Midorikawa

List of Publications by Year
in descending order

453	12,335	23500	35952
papers	citations	58 h-index	97 g-index

464	464	464	5735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coherent Water Window X Ray by Phase-Matched High-Order Harmonic Generation in Neutral Media. Physical Review Letters, 2008, 101, 253901.	2.9	325
2	Attosecond nonlinear optics using gigawatt-scale isolated attosecond pulses. Nature Communications, 2013, 4, 2691.	5.8	314
3	Control of the cross-sectional shape of a hollow microchannel embedded in photostructurable glass by use of a femtosecond laser. Optics Letters, 2003, 28, 55.	1.7	274
4	Production of Doubly Charged Helium Ions by Two-Photon Absorption of an Intense Sub-10-fs Soft X-Ray Pulse at 42ÂeV Photon Energy. Physical Review Letters, 2005, 94, 043001.	2.9	244
5	Microfluidic laser embedded in glass by three-dimensional femtosecond laser microprocessing. Optics Letters, 2004, 29, 2007.	1.7	230
6	Infrared Two-Color Multicycle Laser Field Synthesis for Generating an Intense Attosecond Pulse. Physical Review Letters, 2010, 104, 233901.	2.9	217
7	Generation of 10-ÂµJ coherent extreme-ultraviolet light by use of high-order harmonics. Optics Letters, 2002, 27, 1920.	1.7	212
8	Generation of highly coherent submicrojoule soft x rays by high-order harmonics. Physical Review A, 2002, 66, .	1.0	208
9	Rapid prototyping of three-dimensional microfluidic mixers in glass by femtosecond laser direct writing. Lab on A Chip, 2012, 12, 746.	3.1	197
10	Soft-x-ray amplification of the Lyman-Î± transition by optical-field-induced ionization. Physical Review Letters, 1993, 71, 3774-3777.	2.9	192
11	Femtosecond laser 3D micromachining: a powerful tool for the fabrication of microfluidic, optofluidic, and electrofluidic devices based on glass. Lab on A Chip, 2014, 14, 3447-3458.	3.1	190
12	Three-dimensional micro-optical components embedded in photosensitive glass by a femtosecond laser. Optics Letters, 2003, 28, 1144.	1.7	184
13	Highly Efficient, Phase-Matched High-Harmonic Generation by a Self-Guided Laser Beam. Physical Review Letters, 1999, 82, 1422-1425.	2.9	177
14	Generation of sub-10-fs, 5-mJ-optical pulses using a hollow fiber with a pressure gradient. Applied Physics Letters, 2005, 86, 111116.	1.5	173
15	Generation of high-order harmonics using laser-produced rare-gas-like ions. Physical Review Letters, 1992, 69, 2176-2179.	2.9	168
16	Fabrication of microfluidic channels with a circular cross section using spatiotemporally focused femtosecond laser pulses. Optics Letters, 2010, 35, 1106.	1.7	167
17	Ablation of polymer films by a femtosecond highâ€peakâ€power Ti:sapphire laser at 798 nm. Applied Physics Letters, 1994, 65, 1850-1852.	1.5	159
18	Multiphoton ionization ofHeby using intense high-order harmonics in the soft-x-ray region. Physical Review A, 2005, 71, .	1.0	159

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19	Femtosecond laser nanostructuring in porous glass with sub-50Ânm feature sizes. Optics Letters, 2013, 38, 187.	1.7	149
20	Generation of 50 fs, 50 mJ pulses at 1â€‰kHz using hollow-fiber pulse compression. Optics Letters, 2010, 35, 1887.	1.7	146
21	Low-divergence coherent soft x-ray source at 13 nm by high-order harmonics. Applied Physics Letters, 2004, 84, 4-6.	1.5	138
22	Interferometric Autocorrelation of an Attosecond Pulse Train in the Single-Cycle Regime. Physical Review Letters, 2006, 97, 153904.	2.9	132
23	Conclusive Evidence of an Attosecond Pulse Train Observed with the Mode-Resolved Autocorrelation Technique. Physical Review Letters, 2006, 96, 083901.	2.9	126
24	Hybrid femtosecond laser microfabrication to achieve true 3D glass/polymer composite biochips with multiscale features and high performance: the concept of shipâ€inâ€abâ€bottle biochip. Laser and Photonics Reviews, 2014, 8, 458-467.	4.4	126
25	Extreme ultraviolet free electron laser seeded with high-orderâ€¨harmonic of Ti:sapphire laser. Optics Express, 2011, 19, 317.	1.7	123
26	Dramatic Enhancement of High-Order Harmonic Generation. Physical Review Letters, 2007, 99, 053904.	2.9	122
27	Theoretical analysis of a selfâ€sustained discharge pumped XeCl laser. Journal of Applied Physics, 1984, 56, 680-690.	1.1	121
28	Generation of extreme ultraviolet continuum radiation driven by a sub-10-fs two-color field. Optics Express, 2006, 14, 7230.	1.7	121
29	High-order harmonic generation in laser-produced ions. Physical Review A, 1993, 48, 4576-4582.	1.0	119
30	Self-Compression of High-Intensity Femtosecond Optical Pulses and Spatiotemporal Soliton Generation. Physical Review Letters, 2000, 84, 3847-3850.	2.9	114
31	Direct laser writing of sub-50 nm nanofluidic channels buried in glass for three-dimensional micro-nanofluidic integration. Lab on A Chip, 2013, 13, 1626.	3.1	113
32	High-throughput, high-damage-threshold broadband beam splitter for high-order harmonics in the extreme-ultraviolet region. Optics Letters, 2004, 29, 507.	1.7	110
33	Nano-aquarium for dynamic observation of living cells fabricated by femtosecond laser direct writing of photostructurable glass. Biomedical Microdevices, 2008, 10, 403-410.	1.4	110
34	Generation and characterization of ultrafast white-light continuum in condensed media. Applied Optics, 2002, 41, 3735.	2.1	107
35	In-channel integration of designable microoptical devices using flat scaffold-supported femtosecond-laser microfabrication for coupling-free optofluidic cell counting. Light: Science and Applications, 2015, 4, e228-e228.	7.7	107
36	Electrofluidics fabricated by space-selective metallization in glass microfluidic structures using femtosecond laser direct writing. Lab on A Chip, 2013, 13, 4608.	3.1	103

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37	Focusing coherent soft-x-ray radiation to a micrometer spot size with an intensity of 10^14 W/cm^2. Optics Letters, 2004, 29, 1927.	1.7	102
38	Direct fabrication of micrograting in fused quartz by laser-induced plasma-assisted ablation with a KrF excimer laser. Optics Letters, 1998, 23, 1486.	1.7	99
39	Three-dimensional microfluidic channel with arbitrary length and configuration fabricated inside glass by femtosecond laser direct writing. Optics Letters, 2010, 35, 3225.	1.7	98
40	Destructive Interference during High Harmonic Generation in Mixed Gases. Physical Review Letters, 2007, 98, 153904.	2.9	97
41	3D microfluidic chips with integrated functional microelements fabricated by a femtosecond laser for studying the gliding mechanism of cyanobacteria. Lab on A Chip, 2011, 11, 2109.	3.1	96
42	Vertical sidewall electrodes monolithically integrated into 3D glass microfluidic chips using water-assisted femtosecond-laser fabrication for in situ control of electrotaxis. RSC Advances, 2015, 5, 24072-24080.	1.7	93
43	10 mJ class femtosecond optical parametric amplifier for generating soft x-ray harmonics. Applied Physics Letters, 2008, 93, .	1.5	89
44	Electro-optic integration of embedded electrodes and waveguides in LiNbO_3 using a femtosecond laser. Optics Letters, 2008, 33, 2281.	1.7	88
45	Direct fabrication of homogeneous microfluidic channels embedded in fused silica using a femtosecond laser. Optics Letters, 2010, 35, 282.	1.7	75
46	Optical gratings embedded in photosensitive glass by photochemical reaction using a femtosecond laser. Optics Express, 2003, 11, 1809.	1.7	74
47	Direct observation of an attosecond electron wave packet in a nitrogen molecule. Science Advances, 2015, 1, e1500356.	4.7	73
48	Dual-chirped optical parametric amplification for generating few hundred mJ infrared pulses. Optics Express, 2011, 19, 7190.	1.7	72
49	Progress on table-top isolated attosecond light sources. Nature Photonics, 2022, 16, 267-278.	15.6	70
50	Investigation of photoreaction mechanism of photosensitive glass by femtosecond laser. Journal of Applied Physics, 2005, 97, 063517.	1.1	67
51	Selective metallization on insulator surfaces with femtosecond laser pulses. Optics Express, 2007, 15, 12743.	1.7	67
52	XUV multiphoton processes with intense high-order harmonics. Progress in Quantum Electronics, 2008, 32, 43-88.	3.5	67
53	Fabrication of microfluidic optical waveguides on glass chips with femtosecond laser pulses. Optics Letters, 2007, 32, 1536.	1.7	65
54	Above-threshold double ionization of helium with attosecond intense soft x-ray pulses. Physical Review A, 2005, 72, .	1.0	64

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55	Generation of a coherent x ray in the water window region at 1 kHz repetition rate using a mid-infrared pump source. Optics Letters, 2009, 34, 1747.	1.7	64
56	Ship-in-a-bottle femtosecond laser integration of optofluidic microlens arrays with center-pass units enabling coupling-free parallel cell counting with a 100% success rate. Lab on A Chip, 2015, 15, 1515-1523.	3.1	64
57	Phase-matched high-order-harmonic generation in a gas-filled hollow fiber. Physical Review A, 1999, 59, 4041-4044.	1.0	61
58	Propagation dynamics of femtosecond laser pulses in a hollow fiber filled with argon: constant gas pressure versus differential gas pressure. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 2002.	0.9	60
59	Freestanding optical fibers fabricated in a glass chip using femtosecond laser micromachining for lab-on-a-chip application. Optics Express, 2005, 13, 7225.	1.7	59
60	Wavelength scaling of efficient high-order harmonic generation by two-color infrared laser fields. Physical Review A, 2010, 81, .	1.0	57
61	Microfabrication of 3D hollow structures embedded in glass by femtosecond laser for Lab-on-a-chip applications. Applied Surface Science, 2005, 248, 172-176.	3.1	56
62	Observing molecular structures by using high-order harmonic generation in mixed gases. Physical Review A, 2008, 77, .	1.0	56
63	Attenuation of photobleaching in two-photon excitation fluorescence from green fluorescent protein with shaped excitation pulses. Biochemical and Biophysical Research Communications, 2003, 311, 592-596.	1.0	55
64	Observation of the complex propagation of a femtosecond laser pulse in a dispersive transparent bulk material. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 597.	0.9	54
65	Optimization of infrared two-color multicycle field synthesis for intense-isolated-attosecond-pulse generation. Physical Review A, 2010, 82, .	1.0	54
66	Theoretical operational life study of the closedâ€cycle transversely excited atmospheric CO2laser. Journal of Applied Physics, 1991, 69, 6850-6868.	1.1	53
67	High-energy infrared femtosecond pulses generated by dual-chirped optical parametric amplification. Optics Letters, 2015, 40, 5082.	1.7	51
68	Two-photon double ionization of helium: An experimental lower bound of the total cross section. Physical Review A, 2008, 78, .	1.0	50
69	Three-dimensional integration of microoptical components buried inside photosensitive glass by femtosecond laser direct writing. Applied Physics A: Materials Science and Processing, 2007, 89, 951-955.	1.1	49
70	Generation of 5 fs, 0.5 TW pulses focusable to relativistic intensities at 1 kHz. Optics Express, 2008, 16, 10684.	1.7	49
71	Optimization of conversion efficiency and spatial quality of high-order harmonic generation. Physical Review A, 2000, 62, .	1.0	47
72	Background-free deep imaging by spatial overlap modulation nonlinear optical microscopy. Biomedical Optics Express, 2012, 3, 1594.	1.5	47

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73	High efficiency ultrafast water-window harmonic generation for single-shot soft X-ray spectroscopy. Communications Physics, 2020, 3, .	2.0	47
74	Experimental and theoretical analyses of a correlation between pump-pulse propagation and harmonic yield in a long-interaction medium. Physical Review A, 2003, 68, .	1.0	46
75	Enhancement of lateral resolution and optical sectioning capability of two-photon fluorescence microscopy by combining temporal-focusing with structured illumination. Biomedical Optics Express, 2013, 4, 2396.	1.5	46
76	Dissociative two-photon ionization of N2 in extreme ultraviolet by intense self-amplified spontaneous emission free electron laser light. Applied Physics Letters, 2008, 92, .	1.5	45
77	Sub-10-fs control of dissociation pathways in the hydrogen molecular ion with a few-pulse attosecond pulse train. Nature Communications, 2016, 7, 12835.	5.8	45
78	Nonalloy Ohmic contact fabrication in a hydrothermally grown n-ZnO (0001) substrate by KrF excimer laser irradiation. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 1406.	1.6	44
79	Two-photon fluorescence excitation with a microlens fabricated on the fused silica chip by femtosecond laser micromachining. Applied Physics Letters, 2010, 96, 041108.	1.5	44
80	Attosecond molecular Coulomb explosion. Chemical Physics Letters, 2006, 432, 68-73.	1.2	43
81	Observation of Self-Channeled Plasma Formation and Bulk Modification in Optical Fibers Using High-Intensity Femtosecond Laser. Japanese Journal of Applied Physics, 1998, 37, L737-L739.	0.8	42
82	Generalization of the Kerr effect for high intensity, ultrashort laser pulses. New Journal of Physics, 2008, 10, 053006.	1.2	42
83	Single-pulse coherent anti-Stokes Raman scattering microscopy employing an octave spanning pulse. Optics Express, 2009, 17, 11259.	1.7	42
84	Propagation dynamics of femtosecond laser pulses in argon. Physical Review A, 2002, 66, .	1.0	41
85	Broadband sum frequency mixing using noncollinear angularly dispersed geometry for indirect phase control of sub-20-femtosecond UV pulses. Optics Express, 2003, 11, 324.	1.7	41
86	Fabrication of microchannels in single-crystal GaN by wet-chemical-assisted femtosecond-laser ablation. Applied Surface Science, 2009, 255, 9770-9774.	3.1	41
87	Determination of the absolute two-photon ionization cross section of He by an XUV free electron laser. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 161001.	0.6	41
88	Infrared Multiphoton Dissociation of UF₆in Supersonic Nozzle Reactor. Journal of Nuclear Science and Technology, 1989, 26, 301-303.	0.7	40
89	Real-time broadband terahertz spectroscopic imaging by using a high-sensitivity terahertz camera. Scientific Reports, 2017, 7, 42540.	1.6	40
90	Development of a high-power deep-ultraviolet continuous-wave coherent light source for laser cooling of silicon atoms. Optics Letters, 2000, 25, 1457.	1.7	38

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91	Femtosecond laser microprocessing with three-dimensionally isotropic spatial resolution using crossed-beam irradiation. Optics Letters, 2006, 31, 208.	1.7	38
92	Pointing stabilization of a high-repetition-rate high-power femtosecond laser for intense few-cycle pulse generation. Applied Physics Letters, 2008, 92, .	1.5	38
93	Two-photon ionization ofHe+as a nonlinear optical effect in the soft-x-ray region. Physical Review A, 2002, 65, .	1.0	37
94	Generation of high-energy high-order harmonics by use of a long interaction medium. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 158.	0.9	37
95	Multifarious control of two-photon excitation of multiple fluorophores achieved by phase modulation of ultra-broadband laser pulses. Optics Express, 2009, 17, 13737.	1.7	37
96	Attosecond nonlinear Fourier transformation spectroscopy of CO2 in extreme ultraviolet wavelength region. Journal of Chemical Physics, 2008, 129, 161103.	1.2	36
97	Independent control of aspect ratios in the axial and lateral cross sections of a focal spot for three-dimensional femtosecond laser micromachining. New Journal of Physics, 2011, 13, 083014.	1.2	36
98	TW-scale mid-infrared pulses near 3.3â€‰<i>Î¼<i>m directly generated by dual-chirped optical parametric amplification. Applied Physics Letters, 2018, 112, .	1.5	36
99	Fully stabilized multi-TW optical waveform synthesizer: Toward gigawatt isolated attosecond pulses. Science Advances, 2020, 6, eaay2802.	4.7	36
100	Fabrication of integrated microchip for optical sensing byÂfemtosecond laser direct writing of Foturan glass. Applied Physics A: Materials Science and Processing, 2008, 93, 225-229.	1.1	35
101	Nonlinear Fourier-transform spectroscopy ofD2using high-order harmonic radiation. Physical Review A, 2010, 82, .	1.0	35
102	In situ observation of dynamics of plasma formation and refractive index modification in silica glasses excited by a femtosecond laser. Optics Communications, 2002, 207, 243-253.	1.0	33
103	Resolving vibrational wave-packet dynamics of D2+ using multicolor probe pulses. Optics Letters, 2012, 37, 2922.	1.7	32
104	Characterization and mechanism of glass microwelding by double-pulse ultrafast laser irradiation. Optics Express, 2012, 20, 28893.	1.7	32
105	Attosecond pulse generation using high harmonics in the multicycle regime of the driver pulse. Physical Review A, 1998, 58, 3311-3319.	1.0	31
106	Single-attosecond pulse generation using a seed harmonic pulse train. Physical Review A, 2007, 75, .	1.0	31
107	Efficient control of electron localization by subcycle waveform synthesis. Physical Review A, 2012, 86, .	1.0	31
108	Fabrication of double cladding structure in optical multimode fibers using plasma channeling excited by a high-intensity femtosecond laser. Optics Communications, 1999, 168, 287-295.	1.0	30

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109	Femtosecond laser micromachining of TiO2 crystal surface for robust optical catalyst. Journal of Applied Physics, 2000, 87, 1604-1609.	1.1	30
110	Interferometry of Attosecond Pulse Trains in the Extreme Ultraviolet Wavelength Region. Physical Review Letters, 2009, 102, 213904.	2.9	30
111	High-Order Harmonic Generation and Attosecond Science. Japanese Journal of Applied Physics, 2011, 50, 090001.	0.8	30
112	Sub-20-fs terawatt-class laser system with a mirrorless regenerative amplifier and an adaptive phase controller. Optics Letters, 2002, 27, 1265.	1.7	29
113	Towards a petawatt-class few-cycle infrared laser system via dual-chirped optical parametric amplification. Scientific Reports, 2018, 8, 7692.	1.6	29
114	High-order harmonic and attosecond pulse generations:â€ƒBulk media versus hollow waveguides. Physical Review A, 2001, 63, .	1.0	28
115	Observation and analysis of an interferometric autocorrelation trace of an attosecond pulse train. Physical Review A, 2007, 75, .	1.0	28
116	Surface-Enhanced Raman Scattering Substrate Fabricated by Femtosecond Laser Direct Writing. Japanese Journal of Applied Physics, 2008, 47, 189-192.	0.8	28
117	Observing the attosecond dynamics of nuclear wavepackets in molecules by using high harmonic generation in mixed gases. New Journal of Physics, 2008, 10, 025036.	1.2	28
118	Settling time of a vibrational wavepacket in ionization. Nature Communications, 2015, 6, 8197.	5.8	28
119	Controllable alignment of elongated microorganisms in 3D microspace using electrofluidic devices manufactured by hybrid femtosecond laser microfabrication. Microsystems and Nanoengineering, 2017, 3, 16078.	3.4	28
120	A Custom-Tailored Multi-TW Optical Electric Field for Gigawatt Soft-X-Ray Isolated Attosecond Pulses. Ultrafast Science, 2021, 2021, .	5.8	28
121	A 1â€kpps transversely excited atmospheric CO2laser excited by an allâ€solidâ€state exciter with a magnetic pulse compressor. Journal of Applied Physics, 1990, 68, 1456-1459.	1.1	27
122	Effect of Pulse Duration on Ablation Characteristics of Tetrafluoroethylene-hexafluoropropylene Copolymer Film Using Ti:sapphire Laser. Japanese Journal of Applied Physics, 1996, 35, 101-106.	0.8	27
123	3D integration of microcomponents in a single glass chip by femtosecond laser direct writing for biochemical analysis. Applied Surface Science, 2007, 253, 6595-6598.	3.1	27
124	Tuning etch selectivity of fused silica irradiated by femtosecond laser pulses by controlling polarization of the writing pulses. Journal of Applied Physics, 2011, 109, .	1.1	27
125	Sub-10 fs, multimillijoule laser system. Review of Scientific Instruments, 2005, 76, 093114.	0.6	26
126	Direct amplification of terawatt sub-10-fs pulses in a CPA system of Ti:sapphire laser. Optics Express, 2008, 16, 13431.	1.7	26

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127	Measurement of two-photon excitation spectra of fluorescent proteins with nonlinear Fourier-transform spectroscopy. Applied Optics, 2010, 49, 3323.	2.1	26
128	Fabrication of large-volume microfluidic chamber embedded in glass using three-dimensional femtosecond laser micromachining. Microfluidics and Nanofluidics, 2011, 11, 111-117.	1.0	26
129	Duration of an intense laser pulse can determine the breakage of multiple chemical bonds. Scientific Reports, 2015, 5, 12877.	1.6	26
130	A microfluidic chip integrated with a microoptical lens fabricated by femtosecond laser micromachining. Applied Physics A: Materials Science and Processing, 2011, 102, 179-183.	1.1	25
131	Highly sensitive optofluidic chips for biochemical liquid assay fabricated by 3D femtosecond laser micromachining followed by polymer coating. Lab on A Chip, 2012, 12, 3688.	3.1	25
132	Opening a new route to multiport coherent XUV sources via intracavity high-order harmonic generation. Light: Science and Applications, 2020, 9, 168.	7.7	25
133	Second-harmonic generation of femtosecond high-intensity Ti:sapphire laser pulses. Journal of Applied Physics, 1998, 83, 2915-2919.	1.1	24
134	High-power regime of femtosecond-laser pulse propagation in silica: Multiple-cone formation. Physical Review E, 2002, 66, 056608.	0.8	24
135	Compression of intense ultrashort laser pulses in a gas-filled planar waveguide. Optics Letters, 2008, 33, 2992.	1.7	24
136	Carrier-envelope phase stabilization of a 16 TW, 10â€‰â€‰Hz Ti:sapphire laser. Optics Letters, 2015, 40, 4835.	1.7	24
137	Highâ€efficiency, allâ€solidâ€state exciters for highâ€repetitionâ€rated, highâ€power TEA CO2 lasers. Review of Scientific Instruments, 1990, 61, 2092-2096.	0.6	23
138	Production of an extremely cold plasma by optical-field-induced ionization. Physical Review A, 1995, 51, 1415-1419.	1.0	23
139	High-order harmonic generation by subpicosecond KrF excimer laser pulses. Optics Letters, 1996, 21, 15.	1.7	23
140	Generation and propagation of high-order harmonics in high-pressure gases. Physical Review A, 2000, 62, .	1.0	23
141	Polarization properties of ultrafast white-light continuum generated in condensed media. Applied Physics Letters, 2002, 80, 923-925.	1.5	23
142	Selective metallization of internal walls of hollow structures inside glass using femtosecond laser. Applied Physics Letters, 2005, 86, 171910.	1.5	23
143	Conical third-harmonic generation of optical vortex through ultrashort laser filamentation in air. Optics Express, 2016, 24, 14857.	1.7	23
144	Development of high-throughput, high-damage-threshold beam separator for13 nm high-order harmonics. Optics Letters, 2006, 31, 1316.	1.7	22

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145	Focusing multiple high-order harmonics in the extreme-ultraviolet and soft-x-ray regions by a platinum-coated ellipsoidal mirror. Applied Optics, 2006, 45, 573.	2.1	22
146	Wavelength dependence of high-order harmonic generation with independently controlled ionization and ponderomotive energy. Physical Review A, 2009, 80, .	1.0	22
147	Rapid fabrication of optical volume gratings in Foturan glass byÂfemtosecond laser micromachining. Applied Physics A: Materials Science and Processing, 2009, 97, 853-857.	1.1	22
148	A spatial light modulator based on fused-silica plates for adaptive feedback control of intense femtosecond laser pulses. Optics Express, 2001, 9, 2.	1.7	21
149	Efficient frequency doubling of 1-W continuous-wave Ti:sapphire laser with a robust high-finesse external cavity. Applied Optics, 2003, 42, 1036.	2.1	21
150	Single-shot spatial-coherence measurement of 13 nm high-order harmonic beam by a Young's double-slit measurement. Optics Letters, 2007, 32, 722.	1.7	21
151	UV waveguides light fabricated in fluoropolymer CYTOP by femtosecond laser direct writing. Optics Express, 2010, 18, 446.	1.7	21
152	Absorption mechanism of the second pulse in double-pulse femtosecond laser glass microwelding. Optics Express, 2013, 21, 24049.	1.7	21
153	Femtosecond laser pulses in a Kerr lens mode-locked thin-disk ring oscillator with an intra-cavity peak power beyond 100 MW. Japanese Journal of Applied Physics, 2014, 53, 082701.	0.8	21
154	Optical parametric amplification of sub-cycle shortwave infrared pulses. Nature Communications, 2020, 11, 3413.	5.8	21
155	Two-color two-photon 4Pi fluorescence microscopy. Optics Letters, 2004, 29, 1354.	1.7	20
156	Spectral phase transfer for indirect phase control of sub-20-fs deep UV pulses. Optics Express, 2005, 13, 6345.	1.7	20
157	Fourier-transform spectroscopy combined with a 5-fs broadband pulse for multispectral nonlinear microscopy. Physical Review A, 2008, 77, .	1.0	20
158	Nonlinear Attosecond Metrology by Intense Isolated Attosecond Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-12.	1.9	20
159	Ionization-induced high-order nonlinear susceptibility. Physical Review A, 2002, 66, .	1.0	19
160	Efficient sum-frequency generation of continuous-wave single-frequency coherent light at 252 nm with dual wavelength enhancement. Optics Letters, 2003, 28, 1969.	1.7	19
161	Adaptively controlled supercontinuum pulse from a microstructure fiber for two-photon excited fluorescence microscopy. Applied Optics, 2007, 46, 3023.	2.1	19
162	Fabrication of three-dimensional microfluidic channels inside glass using nanosecond laser direct writing. Optics Express, 2012, 20, 4291.	1.7	19

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163	Generation and propagation of attosecond pulses in He gas with sub-10-fs driver pulses. Physical Review A, 1999, 60, 2587-2590.	1.0	18
164	Simultaneous atomization and ionization of large organic molecules using femtosecond laser ablation. Applied Surface Science, 2002, 197-198, 715-719.	3.1	18
165	Isolated-attosecond-pulse generation with infrared double optical gating. Physical Review A, 2011, 83, .	1.0	18
166	Material Survey for a Novel Beam Splitter Separating High-Order Harmonics from High-Average-Power Fundamental Pulses. Japanese Journal of Applied Physics, 2012, 51, 062601.	0.8	18
167	Gigawatt-class, tabletop, isolated-attosecond-pulse light source. Optica, 2022, 9, 360.	4.8	18
168	GaN ablation etching by simultaneous irradiation with F[sub 2] laser and KrF excimer laser. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1388.	1.6	17
169	Optimization and characterization of dual-chirped optical parametric amplification. Journal of Optics (United Kingdom), 2015, 17, 124001.	1.0	17
170	Isotopically Selective Multiphoton Dissociation of UF₆in Static Gas Cell tit â^'35Â°C. Journal of Nuclear Science and Technology, 1986, 23, 282-284.	0.7	16
171	Transient electron excitation in laser-induced plasma-assisted ablation of transparent materials. Journal of Applied Physics, 2006, 99, 043301.	1.1	16
172	Nano-aquarium with microfluidic structures for dynamic analysis of Cryptomonas and Phormidium fabricated by femtosecond laser direct writing of photostructurable glass. Applied Surface Science, 2009, 255, 9893-9897.	3.1	16
173	Enhancement of resolution and quality of nano-hole structure onÂGaN substrates using the second-harmonic beam ofÂnear-infrared femtosecond laser. Applied Physics A: Materials Science and Processing, 2010, 101, 475-481.	1.1	16
174	High-Order Harmonic Generation and Attosecond Science. Japanese Journal of Applied Physics, 2011, 50, 090001.	0.8	16
175	Fabrication of a micro-optical lens using femtosecond laser 3D micromachining for two-photon imaging of bio-tissues. Optics Communications, 2011, 284, 2988-2991.	1.0	16
176	Plasmonically enhanced Faraday effect in metal and ferrite nanoparticles composite precipitated inside glass. Optics Express, 2012, 20, 28191.	1.7	16
177	Radical Reaction Mechanisms in Infrared Multiphoton Dissociation of UF₆with Scavenger Gases. Journal of Nuclear Science and Technology, 1989, 26, 256-260.	0.7	15
178	High-energy conversion efficiency of transient stimulated Raman scattering in methane pumped by the fundamental of a femtosecond Ti:sapphire laser. Optics Letters, 1999, 24, 1308.	1.7	15
179	Selective excitation between two-photon and three-photon fluorescence with engineered cost functions. Optics Express, 2004, 12, 3408.	1.7	15
180	Optical Pulse Compression of Ultrashort Laser Pulses in an Argon-Filled Planar Waveguide. Physical Review Letters, 2006, 97, 153902.	2.9	15

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