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	Progress on table-top isolated attosecond light sources. Nature Photonics, 2022, 16, 267-278.	15.6	70
2	Gigawatt-class, tabletop, isolated-attosecond-pulse light source. Optica, 2022, 9, 360.	4.8	18
3	Carrier-envelope phase control of synthesized waveforms with two acousto-optic programmable dispersive filters. Optics Express, 2022, 30, 10818.	1.7	4
4	100-mJ class, sub-two-cycle, carrier-envelope phase-stable dual-chirped optical parametric amplification. Optics Letters, 2022, 47, 3371.	1.7	5
5	Attosecond Optical and Ramsey-Type Interferometry by Postgeneration Splitting of Harmonic Pulse. Ultrafast Science, 2022, 2022, .	5.8	4
6	Realization of compact GW-scale soft x-ray isolated attosecond pulses. , 2022, , .		0
7	mJ a few-cycle IR laser system based on BiBO dual-chirped optical parametric amplification. , 2022, , .		0
8	1.1-GW 213-as soft-x ray isolated attosecond pulse created by a fully stabilized 50-mJ three-channel optical waveform synthesizer. , 2021, , .		0
9	Observation of harmonic beams inside a Kerr lens mode-locked thin-disk ring laser oscillator beyond a repetition rate of 10â€…MHz. OSA Continuum, 2021, 4, 1099.	1.8	3
10	Apparatus for generation of nanojoule-class water-window high-order harmonics. Review of Scientific Instruments, 2021, 92, 063001.	0.6	9
11	Enhancement of optical sectioning capability of temporal focusing microscopy by using time-multiplexed multi-line focusing. Applied Physics Express, 2021, 14, 082008.	1.1	2
12	A Custom-Tailored Multi-TW Optical Electric Field for Gigawatt Soft-X-Ray Isolated Attosecond Pulses. Ultrafast Science, 2021, 2021, .	5.8	28
13	300â€‰â€‰attosecond response of acetylene in two-photon ionization/dissociation processes. Optica, 2021, 8, 1075.	4.8	5
14	Adaptive optics with spatio-temporal lock-in detection for temporal focusing microscopy. Optics Express, 2021, 29, 29021.	1.7	3
15	52 mJ CEP-stable sub-2-cycle 1.7 Î¼m laser based on DC-OPA. , 2021, , .		0
16	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
17	Optical parametric amplification of sub-cycle shortwave infrared pulses. Nature Communications, 2020, 11, 3413.	5.8	21
18	Characterization of polarization gating parameters for attosecond pulse generation using an imaging polarimeter. Physical Review A, 2020, 102, .	1.0	0

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19	Fully stabilized multi-TW optical waveform synthesizer: Toward gigawatt isolated attosecond pulses. Science Advances, 2020, 6, eaay2802.	4.7	36
20	Ultrafast electronâ€“nuclear wavepacket in ${mathbf{O}}_{2}^{mathbf{+}}$ generated and probed with attosecond pulse trains. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 164001.	0.6	3
21	High efficiency ultrafast water-window harmonic generation for single-shot soft X-ray spectroscopy. Communications Physics, 2020, 3, .	2.0	47
22	Optimization of a multi-TW few-cycle 1.7-Âµm source based on Type-I BBO dual-chirped optical parametric amplification. Optics Express, 2020, 28, 15138.	1.7	9
23	Octave-spanning 1.7 pm dual-chirped optical parametric amplification by the dual pumping. , 2020, , .		0
24	MHz-Repetition-Rate Yb:YAG Thin-Disk Ring Oscillator Pumped by 969nm Zero-Phonon-Line for Intra-Cavity High Harmonic Generation. , 2020, , .		0
25	Characterization of Attosecond Pulse Train and Nonlinear Fourier Transform Spectroscopy in Dissociative Ionization of Acetylene. , 2020, , .		0
26	Demonstration of a Nano-Joule Class Water Window High Harmonic Light Source. , 2020, , .		0
27	High-energy mid-infrared femtosecond pulses at 3.3 Î¼m directly generated by dual-chirped optical parametric amplification. EPJ Web of Conferences, 2019, 205, 01008.	0.1	1
28	Dual-Chirped Optical Parametric Amplification: A Method for Generating Super-Intense Mid-Infrared Few-Cycle Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-13.	1.9	6
29	At wavelength coherent scatterometry microscope using high-order harmonics for EUV mask inspection. International Journal of Extreme Manufacturing, 2019, 1, 032001.	6.3	6
30	Generation of high-flux soft X-ray high harmonics driven by loosely focused TW-class infrared pulses. EPJ Web of Conferences, 2019, 205, 02012.	0.1	0
31	Resistance to optical distortions in three-dimensional interferometric temporal focusing microscopy. Optics Communications, 2019, 430, 486-496.	1.0	3
32	Precision control of intense cycle-sculpted electric fields by fully stabilized three-channel optical waveform synthesizer. , 2019, , .		0
33	Generation of high-energy mid-infrared pulses via dual-chirped OPA. , 2019, , .		0
34	Towards GW-Scale Isolated Attosecond Pulse Far beyond Carbon K-Edge Driven by Mid-Infrared Waveform Synthesizer. Applied Sciences (Switzerland), 2018, 8, 2451.	1.3	10
35	3D Biomimetic Chips for Cancer Cell Migration in Nanometer-Sized Spaces Using â€œShip-in-a-Bottleâ€• Femtosecond Laser Processing. ACS Applied Bio Materials, 2018, 1, 1667-1676.	2.3	15
36	Towards a petawatt-class few-cycle infrared laser system via dual-chirped optical parametric amplification. Scientific Reports, 2018, 8, 7692.	1.6	29

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37	Interferometric temporal focusing microscopy using three-photon excitation fluorescence. Biomedical Optics Express, 2018, 9, 1510.	1.5	7
38	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
39	Phase-matched soft x-ray high-order harmonics driven by loosely focused TW femtosecond infrared pulses. , 2018, , .		0
40	Real-Time Observation of Vibrational Wavepackets of Nitrogen Molecule Using A-Few-Pulse Attosecond Pulse Train. Springer Series in Chemical Physics, 2018, , 97-116.	0.2	0
41	A high-energy mid-infrared to THz laser. , 2018, , .		0
42	High-energy 50-attosecond â€˜water windowâ€™ X-ray driven by a high-energy infrared waveform synthesizer. , 2018, , .		0
43	An intense soft X-ray harmonic super-continuum generated by a three-channel optical waveform synthesizer. , 2018, , .		0
44	Generation of TW-scale mid-IR femtosecond pulses using a dual-chirped optical parametric amplification. , 2018, , .		0
45	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
46	Micro and nano-biomimetic structures for cell migration study fabricated by hybrid subtractive and additive 3D femtosecond laser processing. Proceedings of SPIE, 2017, , .	0.8	3
47	Real-time broadband terahertz spectroscopic imaging by using a high-sensitivity terahertz camera. Scientific Reports, 2017, 7, 42540.	1.6	40
48	Probing two-electron dynamics of helium in time domain via fluorescence channel. Journal of Electron Spectroscopy and Related Phenomena, 2017, 220, 133-136.	0.8	0
49	Temporal focusing microscopy combined with three-dimensional structured illumination. Japanese Journal of Applied Physics, 2017, 56, 052501.	0.8	9
50	Energy Scaling of Infrared Femtosecond Pulses by Dual-Chirped Optical Parametric Amplification. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	8
51	Temporal focusing microscopy using three-photon excitation fluorescence with a 92-fs Yb-fiber chirped pulse amplifier. Biomedical Optics Express, 2017, 8, 2796.	1.5	14
52	235-mJ femtosecond infrared pulse by DC-OPA. , 2017, , .		0
53	Generation of a 200-mJ class infrared femtosecond laser by dual-chirped optical parametric amplification. , 2017, , .		2
54	Multi-port Intra-Cavity High Harmonic Generation in a Yb:YAG Thin Disk Mode-Locked Oscillator with MHz Repetition Rate. , 2017, , .		3

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55	Intense attosecond soft x-ray pulse by a high-energy three-channel waveform synthesizer. , 2017, , .		1
56	Next Generation High-Order Harmonic Sources. , 2017, , .		0
57	Observation of Rare Gas Flames Inside a Kerr Lens Mode-locked Thin-disk Ring Oscillator. , 2017, , .		1
58	Next Generation High-Order Harmonic Sources and Application. , 2017, , .		0
59	Classical Trajectory Models for Laser-Atom and Laser-Molecule Interactions. Springer Series in Chemical Physics, 2017, , 135-142.	0.2	0
60	Wide-range narrowband multilayer mirror for selecting a single-order harmonic in the photon energy range of 40â€“70 eV. Optics Express, 2016, 24, 14546.	1.7	7
61	Conical third-harmonic generation of optical vortex through ultrashort laser filamentation in air. Optics Express, 2016, 24, 14857.	1.7	23
62	Femtosecond laser fabricated electrofluidic devices in glass for 3D manipulation of biological samples. Proceedings of SPIE, 2016, , .	0.8	3
63	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
64	Indirect high-bandwidth stabilization of carrier-envelope phase of a high-energy, low-repetition-rate laser. Optics Express, 2016, 24, 13276.	1.7	5
65	Super-Resolution Deep Imaging by Spatio-Temporal Control of Excitation Pulses. The Review of Laser Engineering, 2016, 44, 653.	0.0	0
66	50-mJ waveform synthesizer for generating microjoule-scale isolated attosecond pulses. , 2016, , .		2
67	Stabilizing carrier-envelope phase of a low repetition rate laser using a hybrid reference pulse train. , 2016, , .		0
68	Towards a Pulse Energy of 100 Î¼J Inside a Kerr Lens Mode-locked Thin-disk Ring Oscillator. , 2016, , .		0
69	Laser Spectroscopy of Ground State Hyperfine Splitting Energy of Muonic Hydrogen. , 2015, , .		2
70	Frequency-resolved optical gating technique for retrieving the amplitude of a vibrational wavepacket. Scientific Reports, 2015, 5, 11366.	1.6	11
71	Duration of an intense laser pulse can determine the breakage of multiple chemical bonds. Scientific Reports, 2015, 5, 12877.	1.6	26
72	Optimization and characterization of dual-chirped optical parametric amplification. Journal of Optics (United Kingdom), 2015, 17, 124001.	1.0	17

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73	Spatial Overlap Modulation Nonlinear Optical Microscopy for Background-Free Deep Imaging. Nippon Laser Igakkaishi, 2015, 36, 210-215.	0.0	0
74	Nonlinear Attosecond Metrology by Intense Isolated Attosecond Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-12.	1.9	20
75	Development of an ultrafast thin-disk ring oscillator with an intra-cavity average power higher than 1 kW. , 2015, , .		0
76	High performance materials processing using tailored femtosecond laser pulses. , 2015, , .		0
77	Multiphoton 3D structured illumination microscopy for enhanced axial resolution in deep imaging. , 2015, , .		0
78	High-energy infrared femtosecond pulses generated by dual-chirped optical parametric amplification. Optics Letters, 2015, 40, 5082.	1.7	51
79	Energy scalable high power infrared femtosecond pulses by dual-chirped optical parametric amplification. , 2015, , .		0
80	Direct observation of an attosecond electron wave packet in a nitrogen molecule. Science Advances, 2015, 1, e1500356.	4.7	73
81	Carrier-envelope phase stabilization of a 16 TW, 10â€‰â€‰Hz Ti:sapphire laser. Optics Letters, 2015, 40, 4835.	1.7	24
82	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
83	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
84	High-energy infrared femtosecond pulses by dual-chirped optical parametric amplification. , 2015, , .		0
85	Femtosecond laser-fabricated biochip for studying symbiosis between Phormidium and seedling root. Applied Physics B: Lasers and Optics, 2015, 119, 503-508.	1.1	4
86	Ship-in-a-bottle integration by hybrid femtosecond laser technology for fabrication of true 3D biochips. , 2015, , .		4
87	2D simultaneous spatial and temporal focusing multiphoton microscopy for fast volume imaging with improved sectioning ability. Proceedings of SPIE, 2015, , .	0.8	1
88	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
89	Settling time of a vibrational wavepacket in ionization. Nature Communications, 2015, 6, 8197.	5.8	28
90	Two-dimensional spatiotemporal focusing of femtosecond pulses and its applications in microscopy. Review of Scientific Instruments, 2015, 86, 083701.	0.6	12

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91	Classical Trajectory Methods for Simulation of Laser-Atom and Laser-Molecule Interaction. Springer Series in Chemical Physics, 2015, , 21-44.	0.2	2
92	Infrared Double Optical Gating for Generating Submicrojoule Isolated Attosecond Pulses. Springer Proceedings in Physics, 2015, , 87-90.	0.1	0
93	Time- and Frequency-Resolved Study on a Vibrational Wavepacket of H2 +/D2 + Using Intense Attosecond Pulse Trains. The Review of Laser Engineering, 2015, 43, 823.	0.0	0
94	Ship-in-a-bottle integration by hybrid femtosecond laser processing for fabrication of highly functional biochips. , 2014, , .		0
95	Electrical manipulation of biological samples in glass-based electrofluidics fabricated by 3D femtosecond laser processing. Proceedings of SPIE, 2014, , .	0.8	0
96	Flexible metal patterning in glass microfluidic structures using femtosecond laser direct-write ablation followed by electroless plating. , 2014, , .		0
97	Ejection of innershell electrons induced by recollision in a laser-driven carbon atom. Physical Review A, 2014, 90, .	1.0	8
98	Hybrid femtosecond laser microfabrication to achieve true 3D glass/polymer composite biochips with multiscale features and high performance: the concept of shipâ€inâ€aâ€bottle biochip. Laser and Photonics Reviews, 2014, 8, 458-467.	4.4	126
99	Special issue on compact x-ray sources. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 070401.	0.6	0
100	Special issue on compact x-ray sources. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 230301.	0.6	0
101	Revealing the role of electron correlation in sequential double ionization. Physical Review A, 2014, 89, .	1.0	6
102	Development of EUV mask inspection system using high-order harmonic generation with a femtosecond laser. Japanese Journal of Applied Physics, 2014, 53, 086701.	0.8	12
103	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
104	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
105	Nuclear Reaction Induced by Carrier-Envelope-Phase Controlled Proton Recollision in a Laser-Driven Molecule. Physical Review Letters, 2014, 112, 093001.	2.9	8
106	Carrier-envelope phase control of electron motion in laser-driven H32+. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 204018.	0.6	8
107	Dispersion-free monochromator for selecting a single high-order harmonic beam. , 2014, , .		0
108	Nonlinear Fourier-transform spectroscopy revealing wave-packet dynamics of D⁺₂with multicolor harmonic field. Journal of Physics: Conference Series, 2014, 488, 012011.	0.3	0

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109	Temporal focusing microscopy with structured illumination for super-resolution deep imaging. , 2014, , .		0
110	Generation of high-power isolated attosecond pulses by an infrared two-color gating. , 2014, , .		0
111	Infrared double optical gating for generating submicrojoule isolated attosecond pulses. , 2014, , .		0
112	High-order Harmonics Fourier Transform Spectroscopy of Two-Photon Dissociative Ionization of Hydrogen Molecules. , 2014, , .		0
113	Using two-dimensional spatial and temporal focusing microscopy to increase the imaging depth and decrease the photobleaching probability. , 2014, , .		0
114	Attosecond Frequency Resolved Momentum Imaging of Two-photon Dissociative Ionization Dynamics of Nitrogen Molecule. , 2014, , .		1
115	Probing Atomic and Molecular Processes by Intense Attosecond Pulses. , 2014, , .		0
116	Optical and magneto-optical properties in Fe-doped glasses irradiated with femtosecond laser. Applied Physics B: Lasers and Optics, 2013, 113, 451-456.	1.1	7
117	Generation of gigawatt-scale isolated attosecond pulses. , 2013, , .		1
118	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
119	Three dimensional functional microfluidic chips fabricated by hybrid femtosecond laser microfabrication. , 2013, , .		1
120	Microjoule isolated attosecond pulses created by high-order harmonic generation. , 2013, , .		0
121	Femtosecond laser nanostructuring in porous glass with sub-50Ânm feature sizes. Optics Letters, 2013, 38, 187.	1.7	149
122	Laser-induced electron localization in a triatomic molecular ion. Physical Review A, 2013, 88, .	1.0	13
123	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
124	VUV-UV multiwavelength excitation process for high-quality ablation of fused silica. , 2013, , .		3
125	Interferometry of an attosecond pulse train generated from Xe gas target. Chemical Physics, 2013, 414, 20-25.	0.9	1
126	Attosecond control of fragment ion angular distribution of N<inf>2</inf> by a few attosecond pulses. , 2013, , .		0

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127	Attosecond nonlinear optics using gigawatt-scale isolated attosecond pulses. Nature Communications, 2013, 4, 2691.	5.8	314
128	Spatially selective modification of optical and magneto-optical properties in Fe- and Au-doped glasses irradiated with femtosecond-laser. Applied Physics A: Materials Science and Processing, 2013, 110, 765-769.	1.1	1
129	Development of coherent EUV scatterometry microscope with high-order harmonic for EUV mask inspection. , 2013, , .		11
130	Simultaneous imaging of two-photon absorption and stimulated Raman scattering by spatial overlap modulation nonlinear optical microscopy. Biomedical Optics Express, 2013, 4, 1548.	1.5	8
131	Implementation of spatial overlap modulation nonlinear optical microscopy using an electro-optic deflector. Biomedical Optics Express, 2013, 4, 1937.	1.5	13
132	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
133	Absorption mechanism of the second pulse in double-pulse femtosecond laser glass microwelding. Optics Express, 2013, 21, 24049.	1.7	21
134	Carrier envelope phase dependence of electron localization in the multicycle regime. New Journal of Physics, 2013, 15, 063023.	1.2	15
135	Double-pulse irradiation of ultrafast laser for high-efficiency glass microwelding. , 2013, , .		2
136	Effect of the laser magnetic field on nonsequential double ionization of He, Li+, and Be2+. Physical Review A, 2013, 87, .	1.0	9
137	Investigation of physical mechanism of ultrafast laser glass microwelding using double-pulse irradiation. , 2013, , .		0
138	Time-resolved measurement of vibrational wave-packet dynamics of H<inf>2</inf>⁺ using multicolor probe pulses. , 2013, , .		0
139	Ship-in-a-Bottle Biomicrochips Fabricated by Hybrid Femtosecond Laser Processing. MATEC Web of Conferences, 2013, 8, 05005.	0.1	3
140	Detection of Defects in EUVL Mask using Coherent EUV Source. IEEJ Transactions on Fundamentals and Materials, 2013, 133, 509-518.	0.2	2
141	Spatial Overlap Modulation Nonlinear Optical Microscopy for High-resolution Deep Imaging. , 2013, , .		0
142	Dissociative Ionization Dynamics of Nitrogen Molecule with Interferometric Autocorrelation of a-few-pulse Attosecond Pulse Train. , 2013, , .		1
143	Generation of Isolated Attosecond Pulses. Springer Series in Optical Sciences, 2013, , 47-68.	0.5	1
144	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	6

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145	High-performance laser processing using manipulated ultrafast laser pulses. , 2012, , .		0
146	Plasmonically enhanced Faraday effect in metal and ferrite nanoparticles composite precipitated inside glass. Optics Express, 2012, 20, 28191.	1.7	16
147	Background-free deep imaging by spatial overlap modulation nonlinear optical microscopy. Biomedical Optics Express, 2012, 3, 1594.	1.5	47
148	Rotation-free holographic imaging with extended arc reference. Optics Express, 2012, 20, 6669.	1.7	1
149	Resolving vibrational wave-packet dynamics of D2+ using multicolor probe pulses. Optics Letters, 2012, 37, 2922.	1.7	32
150	Fabrication of three-dimensional microfluidic channels inside glass using nanosecond laser direct writing. Optics Express, 2012, 20, 4291.	1.7	19
151	Novel beam splitter for high-order harmonics with WO3/TiO2 bilayer grown on c-plane sapphire substrate by sequential surface chemical reactions. Proceedings of SPIE, 2012, , .	0.8	0
152	Generating highly phase-matched isolated attosecond pulses with a carrier-envelope phase stabilized, TW-class, few-cycle laser. Journal of Physics: Conference Series, 2012, 388, 112005.	0.3	0
153	Characterization and mechanism of glass microwelding by double-pulse ultrafast laser irradiation. Optics Express, 2012, 20, 28893.	1.7	32
154	Efficient control of electron localization by subcycle waveform synthesis. Physical Review A, 2012, 86, .	1.0	31
155	Lasers and Coherent Light Sources. , 2012, , 641-1046.		7
156	Rapid prototyping of three-dimensional microfluidic mixers in glass by femtosecond laser direct writing. Lab on A Chip, 2012, 12, 746.	3.1	197
157	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
158	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
159	Development of Coherent Extreme-Ultraviolet Scatterometry Microscope with High-Order Harmonic Generation Source for Extreme-Ultraviolet Mask Inspection and Metrology. Japanese Journal of Applied Physics, 2012, 51, 06FB09.	0.8	11
160	Nonlinear Fourier-Transform Spectroscopy of D2 Using High-Order Harmonic Radiation. Springer Proceedings in Physics, 2012, , 263-267.	0.1	2
161	XUV Interferometry of Attosecond Pulses. Springer Proceedings in Physics, 2012, , 127-135.	0.1	0
162	Photoionization of Atoms and Molecules by Intense EUV-FEL Pulses and FEL Seeded by High-Order Harmonic of Ultrashort Laser Pulses. The Review of Laser Engineering, 2012, 40, 687.	0.0	0

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163	Generation of Multi-Giga-Watt Isolated Attosecond Pulses. , 2012, , .		0
164	Enormous Amplification of Full-Coherent Radiation in the Extreme Ultraviolet Region with a Free-Electron Laser. Springer Proceedings in Physics, 2012, , 155-161.	0.1	0
165	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
166	Ultrafast dynamic imaging. Nature Photonics, 2011, 5, 640-641.	15.6	10
167	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
168	Extreme ultraviolet free electron laser seeded with high-orderâ€˜harmonic of Ti:sapphire laser. Optics Express, 2011, 19, 317.	1.7	123
169	Dual-chirped optical parametric amplification for generating few hundred mJ infrared pulses. Optics Express, 2011, 19, 7190.	1.7	72
170	Temporal control of local plasmon distribution on Au nanocrosses by ultra-broadband femtosecond laser pulses and its application for selective two-photon excitation of multiple fluorophores. Optics Express, 2011, 19, 13618.	1.7	11
171	Space-selective modification of the magnetic properties of transparent Fe3+-doped glass by femtosecond-laser irradiation. Applied Physics A: Materials Science and Processing, 2011, 104, 993-996.	1.1	9
172	Nonlinear Optical Microscopy Employing Ultra-Broadband Femtosecond Laser Pulses. The Review of Laser Engineering, 2011, 39, 893-903.	0.0	1
173	High-throughput beam splitters for high-order harmonics in soft-x-ray region. , 2011, , .		1
174	3D microstructuring inside glass by ultrafast laser. , 2011, , .		0
175	High-Order Harmonic Generation and Attosecond Science. Japanese Journal of Applied Physics, 2011, 50, 090001.	0.8	16
176	Extreme ultraviolet free electron laser seeded by high-order harmonic. , 2011, , .		1
177	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
178	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
179	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
180	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

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181	Isolated-attosecond-pulse generation with infrared double optical gating. Physical Review A, 2011, 83, .	1.0	18
182	Intense isolated attosecond pulses generated by infrared two-color multicycle laser field synthesis. , 2011, , .		0
183	Infrared double optical gating for efficiently generating isolated attosecond pulses. , 2011, , .		0
184	Nanoaquarium: integrated microchips fabricated by ultrafast laser for understanding phenomena and functions of microorganisms. , 2011, , .		0
185	Development of an intense high-order harmonic beam line using a sub-15fs multi-terawatt leaser system at 100-Hz repetition rate. , 2011, , .		0
186	Spatio-temporal manipulation of femtosecond pulses for 3D micro/nano-fabrication. , 2011, , .		0
187	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
188	High-Order Harmonic Generation and Attosecond Science. Japanese Journal of Applied Physics, 2011, 50, 090001.	0.8	30
189	Attosecond Nonlinear Optics. , 2011, , .		0
190	Optimized two-color polarization gating with infrared laser for isolated attosecond pulse generation. , 2011, , .		0
191	Generation of high-power infrared laser pulses by dual-chirped optical parametric amplification scheme. , 2011, , .		0
192	Integration of electronics and photonics in active material by femtosecond laser for functional microdevice fabrication. , 2010, , .		0
193	Fabrication of Raman biochip prototype by femtosecond laser micromachining. , 2010, , .		0
194	Centimeter-long microfluidic channel with an aspect ratio above 1,000 directly fabricated in fused silica by femtosecond laser micromachining. Proceedings of SPIE, 2010, , .	0.8	1
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