

Yutaka Nomura

List of Publications by Year in descending order

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76
papers

1,417
citations

361413

20
h-index

315739

38
g-index

78
all docs

78
docs citations

78
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Attosecond phase locking of harmonics emitted from laser-produced plasmas. <i>Nature Physics</i> , 2009, 5, 124-128.	16.7	179
2	Diffraction-limited performance and focusing of high harmonics from relativistic plasmas. <i>Nature Physics</i> , 2009, 5, 146-152.	16.7	146
3	Phase-stable sub-cycle mid-infrared conical emission from filamentation in gases. <i>Optics Express</i> , 2012, 20, 24741.	3.4	128
4	Generation of Phase-Stable Sub-Cycle Mid-Infrared Pulses from Filamentation in Nitrogen. <i>Applied Sciences (Switzerland)</i> , 2013, 3, 122-138.	2.5	103
5	Dispersion management for a sub-10-fs, 10 TW optical parametric chirped-pulse amplifier. <i>Optics Letters</i> , 2007, 32, 2227.	3.3	98
6	Single-shot detection of mid-infrared spectra by chirped-pulse upconversion with four-wave difference frequency generation in gases. <i>Optics Express</i> , 2013, 21, 18249.	3.4	78
7	Half-cycle pulses in the mid-infrared from a two-color laser-induced filament. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 611-619.	2.2	64
8	Controlling the carrier-envelope phase of single-cycle mid-infrared pulses with two-color filamentation. <i>Optics Letters</i> , 2015, 40, 423.	3.3	62
9	Sub-50-fs pulse generation from thulium-doped ZBLAN fiber laser oscillator. <i>Optics Express</i> , 2014, 22, 12461.	3.4	48
10	Frequency-resolved optical gating capable of carrier-envelope phase determination. <i>Nature Communications</i> , 2013, 4, .	12.8	43
11	High contrast plasma mirror: spatial filtering and second harmonic generation at 10^{19} W/cm ² . <i>New Journal of Physics</i> , 2008, 10, 083002.	2.9	38
12	Compression of the pulses of a Ti:sapphire laser system to 5 femtoseconds at 0.2 terawatt level. <i>Applied Physics B: Lasers and Optics</i> , 2006, 82, 513-517.	2.2	34
13	Coherent quasi-cw 153-nm light source at 33-MHz repetition rate. <i>Optics Letters</i> , 2011, 36, 1758.	3.3	33
14	Toward single attosecond pulses using harmonic emission from solid-density plasmas. <i>Applied Physics B: Lasers and Optics</i> , 2010, 101, 511-521.	2.2	31
15	Tunable Enhancement of High Harmonic Emission from Laser Solid Interactions. <i>Physical Review Letters</i> , 2009, 102, 225002.	7.8	29
16	Generation and Characterization of Phase-Stable Sub-Single-Cycle Pulses at 3000 cm ⁻¹ . <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 1-12.	2.9	26
17	Temporal characterization of attosecond pulses emitted from solid-density plasmas. <i>New Journal of Physics</i> , 2010, 12, 043020.	2.9	25
18	Time-resolved reflectivity measurements on a plasma mirror with few-cycle laser pulses. <i>New Journal of Physics</i> , 2007, 9, 9-9.	2.9	22

#	ARTICLE	IF	CITATIONS
19	High-harmonic generation in solids driven by subcycle midinfrared pulses from two-color filamentation. <i>Optics Letters</i> , 2018, 43, 2094.	3.3	22
20	Millijoule femtosecond pulses at 1937 nm from a diode-pumped ring cavity Tm:YAP regenerative amplifier. <i>Optics Express</i> , 2018, 26, 29460.	3.4	22
21	Efficient chirped-pulse amplification based on thulium-doped ZBLAN fibers. <i>Applied Physics Express</i> , 2017, 10, 012703.	2.4	17
22	Development of Ultrafast Laser Oscillators Based on Thulium-Doped ZBLAN Fibers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 24-30.	2.9	16
23	Controlling the divergence of high harmonics from solid targets: a route toward coherent harmonic focusing. <i>European Physical Journal D</i> , 2009, 55, 475-481.	1.3	15
24	Self-compensation of third-order dispersion for ultrashort pulse generation demonstrated in an Yb fiber oscillator. <i>Optics Letters</i> , 2010, 35, 3868.	3.3	15
25	Ultrabroadband Midinfrared Pump-Probe Spectroscopy Using Chirped-Pulse Up-conversion in Gases. <i>Physical Review Applied</i> , 2015, 3, .	3.8	14
26	Generation of watt-class, sub-50 fs pulses through nonlinear spectral broadening within a thulium-doped fiber amplifier. <i>Optics Express</i> , 2017, 25, 13691.	3.4	14
27	Generation and characterization of mid-infrared supercontinuum in polarization maintained ZBLAN fibers. <i>Optics Express</i> , 2019, 27, 24499.	3.4	12
28	High harmonics from solid surfaces as a source of ultra-bright XUV radiation for experiments. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 124002.	2.1	10
29	12 mJ sub-4-fs source at 1 kHz from an ionizing gas. <i>Optics Letters</i> , 2010, 35, 980.	3.3	10
30	Generation of soft x-ray and water window harmonics using a few-cycle, phase-locked, optical parametric chirped-pulse amplifier. <i>Optics Letters</i> , 2012, 37, 97.	3.3	10
31	Ultrabroadband mid-infrared spectroscopy with four-wave difference frequency generation. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 094004.	2.2	9
32	Real-Time Waveform Characterization by Using Frequency-Resolved Optical Gating Capable of Carrier-Envelope Phase Determination. <i>IEEE Photonics Journal</i> , 2014, 6, 1-12.	2.0	8
33	Efficient generation of high-order sum and difference frequencies in the xuv region by combining a weak longer-wavelength field. <i>Physical Review A</i> , 2007, 75, .	2.5	7
34	Injection locking of Yb-fiber based optical frequency comb. <i>Optics Express</i> , 2012, 20, 10509.	3.4	7
35	Short-wavelength, ultrafast thulium-doped fiber laser system for three-photon microscopy. <i>OSA Continuum</i> , 2020, 3, 1428.	1.8	7
36	Carrier-Envelope Phase Control of Few-Cycle Parametric Chirped-Pulse Amplifier. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 032703.	1.5	3

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37	Development and Application of Sub-Cycle Mid-Infrared Source Based on Laser Filamentation. Applied Sciences (Switzerland), 2017, 7, 857.	2.5	3
38	Generation and Characterization of Mid-Infrared Supercontinuum in Bulk YAG Pumped by Femtosecond 1937 nm Pulses from a Regenerative Amplifier. Applied Sciences (Switzerland), 2019, 9, 3399.	2.5	3
39	Factors influencing the temporal characteristics of coherent wake field harmonic emission from solid surfaces. , 2009, , .		1
40	Coherent Quasi-cw 153 nm Light Generated at 33 MHz Repetition Rate. , 2011, , .		1
41	Frequency-resolved optical gating with electro-optic sampling. EPJ Web of Conferences, 2013, 41, 12001.	0.3	1
42	Carrier-envelope phase of single-cycle pulses generated through two-color laser filamentation. , 2014, , .		1
43	Self-Referenced Measurement of Light Waves. Laser and Photonics Reviews, 2017, 11, 1600244.	8.7	1
44	Phase-stable sub-single-cycle mid-infrared pulses generated through filamentation. , 2012, , .		1
45	Ultrabright attosecond sources from relativistically oscillating mirrors. Proceedings of SPIE, 2009, , .	0.8	0
46	Experimental study of pulse evolution in a 30-fs mode-locked Yb-fiber oscillator. , 2010, , .		0
47	1.3-GHz, 20-W, femtosecond chirped-pulse amplifier system. , 2010, , .		0
48	Passive synchronization of repetition and offset frequency between two mode-locked Yb-doped fiber lasers. , 2011, , .		0
49	Coherent quasi-CW 153-nm light source at high repetition rate. Proceedings of SPIE, 2012, , .	0.8	0
50	Pulse characterization with absolute carrier-envelope phase value. , 2013, , .		0
51	Chirped-pulse upconversion of mid-infrared pulses with four-wave difference frequency generation in gases. , 2013, , .		0
52	Carrier-envelope phase of ultrashort pulses generated by optical rectification process. , 2013, , .		0
53	Single-shot detection of mid-infrared spectra by chirped-pulse upconversion with four-wave difference frequency generation in gases. , 2013, , .		0
54	Generation of phase-stable half-cycle mid-infrared pulses through filamentation in gases. EPJ Web of Conferences, 2013, 41, 11003.	0.3	0

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55	Real-time lightwave measurement by using FROG capable of CEP determination with pulse-front tilt. , 2014, , .		0
56	Real-time observation of single-cycle pulse waveforms by using FROG capable of CEP determination with pulse-front tilt. , 2014, , .		0
57	Mode-Locked Thulium-Doped ZBLAN Fiber Laser Oscillators at 2 μ m. , 2014, , .		0
58	Development of Femtosecond Thulium-Doped ZBLAN Fiber Laser Oscillators. , 2014, , .		0
59	Generation and application of phase-stable sub-cycle mid-infrared pulses. , 2015, , .		0
60	Watt-level 50 fs pulse generation from thulium-doped ZBLAN fiber amplifier system. , 2017, , .		0
61	Characterization of Supercontinuum Pulses Generated using a 2 μ m Thulium-Based Regenerative Amplifier. , 2019, , .		0
62	High harmonic generation in solids driven by sub-cycle mid-infrared pulses from laser filamentation. EPJ Web of Conferences, 2019, 205, 02023.	0.3	0
63	Mid-infrared chirped-pulse upconversion with four-wave difference frequency generation in gases. , 2013, , .		0
64	Complete waveform characterization of ultrashort pulses. , 2013, , .		0
65	Carrier-Envelope Phase of Single-Cycle Pulses Generated Through Two-Color Laser Filamentation. Springer Proceedings in Physics, 2015, , 717-720.	0.2	0
66	Ultrabroadband Mid-Infrared Pump-Probe Spectroscopy using Chirped-Pulse Upconversion. , 2015, , .		0
67	Carrier-Envelope Phase of Single-Cycle Pulses Generated by Using Four-Wave Difference Frequency Mixing. The Review of Laser Engineering, 2015, 43, 512.	0.0	0
68	Self-referenced frequency-resolved optical gating capable of carrier-envelope phase determination. , 2016, , .		0
69	Chirped-Pulse Amplifier System Based on Thulium-Doped ZBLAN Fibers. , 2016, , .		0
70	Self-Referenced Waveform Measurement of Few-Cycle Mid-Infrared Pulses. , 2016, , .		0
71	Ultrafast Thulium-Doped ZBLAN Fiber Amplifier Utilizing Nonlinear Spectral Broadening. , 2017, , .		0
72	High-harmonic generation from crystalline silicon driven by sub-cycle mid-infrared pulses. , 2018, , .		0

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73	Short-Wavelength Thulium-Doped Fiber Laser for Three-Photon Microscopy. , 2019, , .		0
74	Ultrafast Thulium-Doped Fiber Laser System at 1.8 μm for Multiphoton Microscopy. , 2019, , .		0
75	White Light Generation with 2- $\frac{1}{4}$ m Femtosecond Pulses from a Tm:YAP Regenerative Amplifier. The Review of Laser Engineering, 2019, 47, 644.	0.0	0
76	Generation and Characterization of Polarized Supercontinuum Pulses from ZBLAN Fibers Pumped by Femtosecond 2 μm Pulses from a Regenerative Amplifier. , 2019, , .		0