Yutaka Nomura

List of Publications by Year
in descending order

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	Short-wavelength, ultrafast thulium-doped fiber laser system for three-photon microscopy. OSA Continuum, 2020, 3, 1428.	1.8	7
2	Characterization of Supercontinuum Pulses Generated using a 2Î¼m Thulium-Based Regenerative Amplifier. , 2019, , .		0
3	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
4	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
5	Generation and characterization of mid-infrared supercontinuum in polarization maintained ZBLAN fibers. Optics Express, 2019, 27, 24499.	3.4	12
6	Short-Wavelength Thulium-Doped Fiber Laser for Three-Photon Microscopy. , 2019, , .		0
7	Ultrafast Thulium-Doped Fiber Laser System at 1.8 Âµm for Multiphoton Microscopy. , 2019, , .		0
8	White Light Generation with 2-Î¼m Femtosecond Pulses from a Tm:YAP Regenerative Amplifier. The Review of Laser Engineering, 2019, 47, 644.	0.0	0
9	Generation and Characterization of Polarized Supercontinuum Pulses from ZBLAN Fibers Pumped by Femtosecond 2 Âµm Pulses from a Regenerative Amplifier. , 2019, , .		0
10	High-harmonic generation in solids driven by subcycle midinfrared pulses from two-color filamentation. Optics Letters, 2018, 43, 2094.	3.3	22
11	Millijoule femtosecond pulses at 1937 nm from a diode-pumped ring cavity Tm:YAP regenerative amplifier. Optics Express, 2018, 26, 29460.	3.4	22
12	High-harmonic generation from crystalline silicon driven by sub-cycle mid-infrared pulses. , 2018, , .		0
13	Efficient chirped-pulse amplification based on thulium-doped ZBLAN fibers. Applied Physics Express, 2017, 10, 012703.	2.4	17
14	Selfâ€Referenced Measurement of Light Waves. Laser and Photonics Reviews, 2017, 11, 1600244.	8.7	1
15	Generation of watt-class, sub-50 fs pulses through nonlinear spectral broadening within a thulium-doped fiber amplifier. Optics Express, 2017, 25, 13691.	3.4	14
16	Development and Application of Sub-Cycle Mid-Infrared Source Based on Laser Filamentation. Applied Sciences (Switzerland), 2017, 7, 857.	2.5	3
17	Watt-level 50 fs pulse generation from thulium-doped ZBLAN fiber amplifier system. , 2017, , .		0
18	Ultrafast Thulium-Doped ZBLAN Fiber Amplifier Utilizing Nonlinear Spectral Broadening. , 2017, , .		0

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19	Self-referenced frequency-resolved optical gating capable of carrier-envelope phase determination. , 2016, , .		0
20	Chirped-Pulse Amplifier System Based on Thulium-Doped ZBLAN Fibers. , 2016, , .		0
21	Self-Referenced Waveform Measurement of Few-Cycle Mid-Infrared Pulses. , 2016, , .		0
22	Generation and application of phase-stable sub-cycle mid-infrared pulses. , 2015, , .		0
23	Ultrabroadband mid-infrared spectroscopy with four-wave difference frequency generation. Journal of Optics (United Kingdom), 2015, 17, 094004.	2.2	9
24	Ultrabroadband Midinfrared Pump-Probe Spectroscopy Using Chirped-Pulse Up-conversion in Gases. Physical Review Applied, 2015, 3, .	3.8	14
25	Controlling the carrier-envelope phase of single-cycle mid-infrared pulses with two-color filamentation. Optics Letters, 2015, 40, 423.	3.3	62
26	Development of Ultrafast Laser Oscillators Based on Thulium-Doped ZBLAN Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 24-30.	2.9	16
27	Generation and Characterization of Phase-Stable Sub-Single-Cycle Pulses at 3000 cm<inline-formula> <tex-math notation="LaTeX">$^{-1}$</tex-math></inline-formula>. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-12.	2.9	26
28	Carrier-Envelope Phase of Single-Cycle Pulses Generated Through Two-Color Laser Filamentation. Springer Proceedings in Physics, 2015, , 717-720.	0.2	0
29	Ultrabroadband Mid-Infrared Pump-Probe Spectroscopy using Chirped-Pulse Upconversion. , 2015, , .		0
30	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
31	Real-time lightwave measurement by using FROG capable of CEP determination with pulse-front tilt. , 2014, , .		0
32	Real-time observation of single-cycle pulse waveforms by using FROG capable of CEP determination with pulse-front tilt. , 2014, , .		0
33	Mode-Locked Thulium-Doped ZBLAN Fiber Laser Oscillators at 2 Î¼m. , 2014, , .		0
34	Carrier-envelope phase of single-cycle pulses generated through two-color laser filamentation. , 2014, , .		1
35	Real-Time Waveform Characterization by Using Frequency-Resolved Optical Gating Capable of Carrier-Envelope Phase Determination. IEEE Photonics Journal, 2014, 6, 1-12.	2.0	8
36	Half-cycle pulses in the mid-infrared from a two-color laser-induced filament. Applied Physics B: Lasers and Optics, 2014, 117, 611-619.	2.2	64

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37	Sub-50-fs pulse generation from thulium-doped ZBLAN fiber laser oscillator. Optics Express, 2014, 22, 12461.	3.4	48
38	Development of Femtosecond Thulium-Doped ZBLAN Fiber Laser Oscillators. , 2014, , .		0
39	Frequency-resolved optical gating capable of carrier-envelope phase determination. Nature Communications, 2013, 4, .	12.8	43
40	Pulse characterization with absolute carrier-envelope phase value. , 2013, , .		0
41	Chirped-pulse upconversion of mid-infrared pulses with four-wave difference frequency generation in gases. , 2013, , .		0
42	Single-shot detection of mid-infrared spectra by chirped-pulse upconversion with four-wave difference frequency generation in gases. Optics Express, 2013, 21, 18249.	3.4	78
43	Carrier-envelope phase of ultrashort pulses generated by optical rectification process. , 2013, , .		0
44	Single-shot detection of mid-infrared spectra by chirped-pulse upconversion with four-wave difference frequency generation in gases. , 2013, , .		0
45	Generation of phase-stable half-cycle mid-infrared pulses through filamentation in gases. EPJ Web of Conferences, 2013, 41, 11003.	0.3	0
46	Generation of Phase-Stable Sub-Cycle Mid-Infrared Pulses from Filamentation in Nitrogen. Applied Sciences (Switzerland), 2013, 3, 122-138.	2.5	103
47	Frequency-resolved optical gating with electro-optic sampling. EPJ Web of Conferences, 2013, 41, 12001.	0.3	1
48	Mid-infrared chirped-pulse upconversion with four-wave difference frequency generation in gases. , 2013, , .		0
49	Complete waveform characterization of ultrashort pulses. , 2013, , .		0
50	Phase-stable sub-cycle mid-infrared conical emission from filamentation in gases. Optics Express, 2012, 20, 24741.	3.4	128
51	Injection locking of Yb-fiber based optical frequency comb. Optics Express, 2012, 20, 10509.	3.4	7
52	Generation of soft x-ray and water window harmonics using a few-cycle, phase-locked, optical parametric chirped-pulse amplifier. Optics Letters, 2012, 37, 97.	3.3	10
53	Coherent quasi-CW 153-nm light source at high repetition rate. Proceedings of SPIE, 2012, , .	0.8	0
54	Phase-stable sub-single-cycle mid-infrared pulses generated through filamentation. , 2012, , .		1

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55	Coherent quasi-cw 153â€‰nm light source at 33â€‰MHz repetition rate. Optics Letters, 2011, 36, 1758.	3.3	33
56	Coherent Quasi-cw 153 nm Light Generated at 33 MHz Repetition Rate. , 2011, , .		1
57	Passive synchronization of repetition and offset frequency between two mode-locked Yb-doped fiber lasers. , 2011, , .		0
58	Experimental study of pulse evolution in a 30-fs mode-locked Yb-fiber oscillator. , 2010, , .		0
59	Toward single attosecond pulses using harmonic emission fromÂsolid-density plasmas. Applied Physics B: Lasers and Optics, 2010, 101, 511-521.	2.2	31
60	Carrier-Envelope Phase Control of Few-Cycle Parametric Chirped-Pulse Amplifier. Japanese Journal of Applied Physics, 2010, 49, 032703.	1.5	3
61	Temporal characterization of attosecond pulses emitted from solid-density plasmas. New Journal of Physics, 2010, 12, 043020.	2.9	25
62	1.3-GHz, 20-W, femtosecond chirped-pulse amplifier system. , 2010, , .		0
63	12 mJ sub-4-fs source at 1 kHz from an ionizing gas. Optics Letters, 2010, 35, 980.	3.3	10
64	Self-compensation of third-order dispersion for ultrashort pulse generation demonstrated in an Yb fiber oscillator. Optics Letters, 2010, 35, 3868.	3.3	15
65	Tunable Enhancement of High Harmonic Emission from Laser Solid Interactions. Physical Review Letters, 2009, 102, 225002.	7.8	29
66	Attosecond phase locking of harmonics emitted from laser-produced plasmas. Nature Physics, 2009, 5, 124-128.	16.7	179
67	Diffraction-limited performance and focusing of high harmonics from relativistic plasmas. Nature Physics, 2009, 5, 146-152.	16.7	146
68	Controlling the divergence of high harmonics from solid targets: a route toward coherent harmonic focusing. European Physical Journal D, 2009, 55, 475-481.	1.3	15
69	Ultrabright attosecond sources from relativistically oscillating mirrors. Proceedings of SPIE, 2009, , .	0.8	0
70	Factors influencing the temporal characteristics of coherent wake field harmonic emission from solid surfaces. , 2009, , .		1
71	High contrast plasma mirror: spatial filtering and second harmonic generation at 10¹⁹Wâ€‰cm^{â^'2}. New Journal of Physics, 2008, 10, 083002.	2.9	38
72	High harmonics from solid surfaces as a source of ultra-bright XUV radiation for experiments. Plasma Physics and Controlled Fusion, 2008, 50, 124002.	2.1	10

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73	Time-resolved reflectivity measurements on a plasma mirror with few-cycle laser pulses. New Journal of Physics, 2007, 9, 9-9.	2.9	22
74	Efficient generation of high-order sum and difference frequencies in the xuv region by combining a weak longer-wavelength field. Physical Review A, 2007, 75, .	2.5	7
75	Dispersion management for a sub-10-fs, 10 TW optical parametric chirped-pulse amplifier. Optics Letters, 2007, 32, 2227.	3.3	98
76	Compression of the pulses of a Ti:sapphire laser system to 5 femtoseconds at 0.2 terawatt level. Applied Physics B: Lasers and Optics, 2006, 82, 513-517.	2.2	34